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Site 1187: Fountain City, Buffalo County, Township 19N, Range 11W, Section 9. 1952-07-23

[s.l.]: [s.n.], 1952-07-23

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STAND RECORD

FORESTS

Stand No. 1187

bluff right outside town of Fountain City to North

Name: *Fountain City*

Locality:

County: *Buffalo*

T: *19 N* R: *11 W* Sec: *9*

Date: *July 23, 1952*

Observers: *Ware Ward Bray*

Size of Stand: *4 acres*

Size of Area Sampled: *4 acres*

Forest Type: *oak opening to oak woods*

Soil Type:

Topography: *steep hill*

Slope: *35°* Directions *South to Southeast*

Condition of Stand: *good undisturbed prairie into woods a fence 3 stumps*

Open Grown Trees:

% Canopy: *40 or less at first to 70-80*

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.N.C. |
|----------------|----|---|---|---|----|----|-----------|----------|--------|
| A ₀ | | | | | | | | | |
| A ₁ | | | | | | | | | |
| A ₂ | | | | | | | | | |
| B | | | | | | | | | |

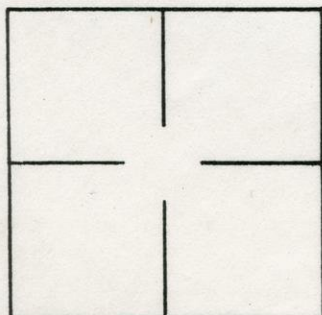
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

| | | | | | | | | | |
|----------------|-------------|----------------------------------|--|--|--|--|--|--|--|
| A ₀ | <i>4 in</i> | <i>grass leaves to leaf duff</i> | | | | | | | |
| A ₁ | <i>4 in</i> | <i>black sandy loam</i> | | | | | | | |
| A ₂ | | <i>not noticeable</i> | | | | | | | |
| B | | <i>bed rock sandstone</i> | | | | | | | |

Parent Material:

Map:



BP 32 32

Fountain City

1187

notebook

| 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. | | | | | | | | | | | | | | | |
| C. ovata | 11 | 17 | 1360 | 5 | 5 | 29.4 | 18.5 | 5 | | 50.0 | 56.6 | 39.7 | 146.3 | | 365.7 |
| Celtis occiden. | | | | | | | | | | | | | | | |
| Fagus grand. | | | | | | | | | | | | | | | |
| Fraxinus amer. | | | | 3 | 3 | 17.6 | 11.1 | | | | | | | | |
| F. lanceolata | | | | | | | | | | | | | | | |
| F. pennsylvani | | | | | | | | | | | | | | | |
| Juglans cinere | | | | | | | | | | | | | | | |
| J. nigra | | | | | | | | | | | | | | | |
| Ostrya virgin. | | | | | | | | 1 | | | | | | | |
| Populus grand. | | | | | | | | | | | | | | | |
| P. tremuloides | | | | | | | | | | | | | | | |
| Prunus serotin | | | | | | | | | | | | | | | |
| Quercus alba | 1 | 1 | 100 | 1 | 1 | 5.8 | 3.7 | | | 4.5 | 3.3 | 2.9 | 10.7 | | 32.1 |
| Q. ellipsoidalis | | | | | | | | | | | | | | | |
| Q. macrocarpa | | | | | | | | | | | | | | | |
| Q. rubra | 4 | 5 | 995 | 4 | 11 | 23.5 | 40.7 | | | 18.2 | 16.6 | 29.1 | 63.9 | | 233.6 |
| Q. velutina | 2 | 2 | 480 | | | | | | | 9.0 | 6.6 | 14.0 | 29.6 | | 59.2 |
| Tilia american | 1 | 1 | 28 | 4 | 7 | 23.5 | 25.9 | | | 4.5 | 3.3 | 5.8 | 8.6 | | 21.5 |
| Ulmus american | | | | | | | | | | | | | | | |
| U. rubra | 3 | 4 | 455 | | | | | | | 13.6 | 13.3 | 13.3 | 40.2 | | |
| Betula papy | | | | | | | | 1 | | | | | | | |

Ave. Dist.
Btw'n Trees
23.3

Ave. BA
(Total
PA + 80)

113.9

No. Trees
Per acre

92.6

Dom. per
acre

10,547

22 30 3418

17 27

299.3

702.1

259.1

M 12.70

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1187

| STATION NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------|------------|----|-----|-----|-------------|-------------|----|------------|----|-----|
| Acer rubrum | | | | | | | | | | |
| A. saccharum | | | | | | | | | | |
| Betula papy. | | | | ✓ | | | | | | |
| Carpinus car | | | | | | | | | | |
| Carya cord | | | | | | | | | | |
| C. ovata | 45 85 ✓ | 90 | 150 | 120 | 85 130 ✓ | 165 | 80 | 75 45 ✓ | 85 | |
| Celtis occ | | | | | | | | | | |
| Crataegus sp. | | | | | | | | | | |
| Fagus grand | | | | | | | | | | |
| Fraxinus am | 1 | | 1 | | | | | | | |
| F. nigra | | | | | | | | | | |
| Juglans cin | | | | | | | | | | |
| J. nigra | | | | | | | | | | |
| Ostrya virg | | | | | | | | | | ✓ |
| Populus gran | | | | | | | | | | |
| P. tremul | | | | | | | | | | |
| Prunus serot | | | | | | | | | | |
| Quercus alba | | | | | | | | | | |
| Q. ellipsoid | | | | | | | | | | |
| Q. macrocarpa | | | | | | | | | | |
| Q. rubra | | | | | | 350 2170 | 4 | 4 | | |
| Q. velutina | | | | | | | | | | 210 |
| Tilia amer | | 28 | | | | 1 | | | | |
| Ulmus amer | | | | | | | | | | |
| Ulmus fulva | | | 70 | | | 95 170 | | 180 | | |
| Distance | 41 | 27 | 29 | 20½ | 18½ | 17 | 42 | 24½ | 7½ | 25 |

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1187

| STATION NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------|-----|-----------|----------|----------|-----|---|---|---|---|----|
| Acer rubrum | | | | | | | | | | |
| A. saccharum | | | | | | | | | | |
| Betula papy. | | | | | | | | | | |
| Carpinus car | | | | | | | | | | |
| Carya cord | | | | | | | | | | |
| C. ovata | | 120 40 | 1 | 45 80 | 1 | 1 | | | | |
| Celtis occ | | | | | | | | | | |
| Crataegus sp. | | | | | | | | | | |
| Fagus grand | | | | | | | | | | |
| Fraxinus am | 1 | | | | | | | | | |
| F. nigra | | | | | | | | | | |
| Juglans cin | | | | | | | | | | |
| J. nigra | | | | | | | | | | |
| Ostrya virg | | | | | | | | | | |
| Populus gran | | | | | | | | | | |
| P. tremul | | | | | | | | | | |
| Prunus serot | | | | | | | | | | |
| Quercus alba | | | | 1 | 100 | | | | | |
| Q. ellipsoid | | | | | | | | | | |
| Q. macrocarpa | | | | | | | | | | |
| Q. rubra | 960 | 90 | 45 50 | 1 | 290 | | | | | |
| Q. velutina | 270 | | | | | | | | | |
| Tilia amer | 1 | | | | 1 | 3 | | | | |
| Ulmus amer | | | | | | | | | | |
| Ulmus fulva | | | | | | | | | | |
| Distance | 25 | 12 | 21 | 17 | 23 | | | | | |

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1187
Quadrat No.

Stands
ground
1218 plus
3, 16 recounted to
make 20

Aquilegia 3

- Achillea millefolium
- Ambrosia artemisifolia
- Ambrosia psilostachya
- Amorpha canescens 12
- Andropogon gerardi 12
- Andropogon scoparius 2
- Anemone canadensis
- Anemone cylindrica 3
- Anemone patens
- Antennaria sp.
- Apocynum androsaemifolium
- Apocynum cannabinum
- Arenaria stricta
- Artemisia caudata
- Asclepias amplexicaulis
- Asclepias syriaca
- Asclepias tuberosa
- Asclepias verticillata
- Asclepias viridiflora
- Aster azureus
- Aster ericoides
- Aster laevis
- Aster novae-angliae
- Aster oblongifolius
- Aster ptarmicoides
- Aster sericeus
- Baptisia leucantha
- Baptisia leucophaea
- Bouteloua curtipendula
- Bouteloua hirsuta
- Cacalia tuberosa
- Calamagrostis canadensis
- Ceanothus americanus 3
- Cicuta maculata
- Cirsium discolor
- Comandra richardsoniana
- Convolvulus sepium
- Coreopsis palmata 1
- Cornus femina 3
- Corylus americana
- Desmodium canadense
- Desmodium illinoense
- Dodecatheon meadia
- Elymus canadensis
- Equisetum arvense
- Equisetum kansanum
- Erigeron strigosus
- Eryngium yuccifolium
- Euphorbia corollata 123

- Fragaria virginiana
- Galium boreale
- Gentiana andrewsii
- Gentiana puberula
- Geranium maculatum
- Geum triflorum
- Hedeoma hispida
- Helianthemum sp.
- Helianthus grosseserratus
- Helianthus laetiflorus
- Helianthus occidentalis 1
- Helianthus strumosus
- Heliopsis helianthoides
- Heuchera richardsonii
- Hieracium longipilum
- Hypoxis hirsuta
- Iris virginica
- Koeleria cristata
- Krigia biflora
- Kuhnia eupatorioides
- Lactuca canadensis
- Lactuca ludoviciana
- Lathyrus palustris
- Lathyrus venosus
- Lespedeza capitata
- Liatris aspera
- Liatris cylindracea
- Liatris pycnostachya
- Lilium michiganense
- Lilium philadelphicum
- Linum sulcatum
- Lithospermum canescens
- Lithospermum croceum
- Lithospermum incisum
- Lobelia spicata
- Monarda fistulosa 3
- Muhlenbergia cuspidata
- Muhlenbergia racemosa
- Oenothera biennis
- Oxalis violacea
- Oxypolis rigidior
- Panicum leibergii 2
- Panicum oligosanthos
- Panicum perlongum
- Panicum virgatum
- Petalostemum candidum
- Petalostemum purpureum 12
- Phlox pilosa
- Physalis heterophylla

- Physalis subglabrata
- Physalis virginiana
- Polygala senega
- Polytaenia nuttallii
- Potentilla arguta
- Potentilla canadensis
- Prenanthes racemosa
- Psoralea esculenta
- Pycnanthemum virginicum
- Pyrus melanocarpa
- Quercus macrocarpa
- Ratibida pinnata
- Rhus glabra
- Rhus radicans
- Rosa sp. 2
- Rudbeckia hirta
- Salix humilis
- Saxifraga pennsylvanica
- Scutellaria parvula
- Silphium integrifolium
- Silphium laciniatum
- Silphium terebinthinaceum
- Sisyrinchium campestre
- Smilacina stellata
- Solidago altissima
- Solidago gigantea
- Solidago graminifolia
- Solidago juncea
- Solidago missouriensis
- Solidago nemoralis
- Solidago rigida
- Solidago speciosa
- Sorghastrum nutans
- Spartina pectinata
- Spiraea alba
- Sporobolus heterolepis
- Stipa spartea
- Tephrosia virginiana
- Thalictrum dasycarpum
- Tradescantia ohioensis
- Verbena stricta
- Veronicastrum virginicum
- Vicia americana
- Viola pedata
- Viola pedatifida
- Vitis vulpina
- Zizia aptera
- Zizia aurea

Blomms Kalmii 3
C. ovata oblongifolia 3

Additional species:

celastrum 2 narrow leaved *Helianthus* = last. coll 1
Parthenocissus 3
 1, 2 10,000 prairie
 3 2,000 base data *Prunus virginiana* 3
 Blue grass 13
Smilax echinata 3
 Wide petioled

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1187
Quadrat No.

Aquilegia 6

Smilax herbacea P

- Achillea millefolium
- Ambrosia artemisifolia
- Ambrosia psilostachya
- Amorpha canescens
- Andropogon gerardi
- Andropogon scoparius
- Anemone canadensis
- Anemone cylindrica
- Anemone patens
- Antennaria sp.
- Apocynum androsaemifolium
- Apocynum cannabinum
- Arenaria stricta
- Artemisia caudata
- Asclepias amplexicaulis
- Asclepias syriaca
- Asclepias tuberosa
- Asclepias verticillata
- Asclepias viridiflora
- Aster azureus
- Aster ericoides
- Aster laevis
- Aster novae-angliae
- Aster oblongifolius
- Aster ptarmicoides
- Aster sericeus
- Baptisia leucantha
- Baptisia leucophaea
- Bouteloua curtipendula
- Bouteloua hirsuta
- Cacalia tuberosa
- Calamagrostis canadensis
- Ceanothus americanus 5
- Cicuta maculata
- Cirsium discolor
- Comandra richardsonii
- Convolvulus sepium
- Coreopsis palmata
- Cornus femina 45
- Corylus americana 56
- Desmodium canadense
- Desmodium illinoense
- Dodecatheon meadia
- Elymus canadensis
- Equisetum arvense
- Equisetum kansanum
- Erigeron strigosus
- Eryngium yuccifolium
- Euphorbia corollata 4

- Fragaria virginiana
- Galium boreale
- Gentiana andrewsii
- Gentiana puberula
- Geranium maculatum
- Geum triflorum
- Hedeoma hispida
- Helianthemum sp.
- Helianthus grosseserratus
- Helianthus laetiflorus
- Helianthus occidentalis 5
- Helianthus strumosus 456
- Heliopsis helianthoides
- Heuchera richardsonii
- Hieracium longipilum
- Hypoxis hirsuta
- Iris virginica
- Koeleria cristata
- Krigia biflora
- Kuhnia eupatorioides
- Lactuca canadensis
- Lactuca ludoviciana
- Lathyrus palustris
- Lathyrus venosus
- Lespedeza capitata
- Liatris aspera
- Liatris cylindracea
- Liatris pycnostachya
- Lilium michiganense
- Lilium philadelphicum
- Linum sulcatum
- Lithospermum canescens
- Lithospermum croceum
- Lithospermum incisum
- Lobelia spicata
- Monarda fistulosa 46
- Muhlenbergia cuspidata
- Muhlenbergia racemosa
- Oenothera biennis
- Oxalis violacea
- Oxypolis rigidior
- Panicum leibergii 4
- Panicum oligosanthos
- Panicum perlongum
- Panicum virgatum
- Petalostemum candidum
- Petalostemum purpureum
- Phlox pilosa
- Physalis heterophylla

- Physalis subglabrata
- Physalis virginiana
- Polygala senega
- Polytaenia nuttallii
- Potentilla arguta
- Potentilla canadensis
- Prenanthes racemosa
- Psoralea esculenta
- Pycnanthemum virginicum
- Pyrus melanocarpa
- Quercus macrocarpa
- Ratibida pinnata
- Rhus glabra
- Rhus radicans 5
- Rosa sp. 465
- Rudbeckia hirta
- Salix humilis
- Saxifraga pensylvanica
- Scutellaria parvula
- Silphium integrifolium
- Silphium laciniatum
- Silphium terebinthinaceum
- Sisyrinchium campestre
- Smilacina stellata
- Solidago altissima
- Solidago gigantea
- Solidago graminifolia
- Solidago juncea
- Solidago missouriensis
- Solidago nemoralis
- Solidago rigida
- Solidago speciosa
- Sorghastrum nutans
- Spartina pectinata
- Spiraea alba
- Sporobolus heterolepis
- Stipa spartea
- Tephrosia virginiana
- Thalictrum dasycarpum
- Tradescantia ohioensis
- Verbena stricta
- Veronicastrum virginicum
- Vicia americana
- Viola pedata
- Viola pedatifida
- Vitis vulpina 5
- Zizia aptera
- Zizia aurea

Additional species:

Parthenoc 4

Rubus blade 6

410,000
61,000

510,000 *Amphicarp* 56

P. petiolate aster 5
Prunus virgin 6

- *Solidago ulm*

Blue grass 4-5
Ribes cynos 5
Viola cucull 5
Thalictrum dw 6

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1187
Quadrat No.

- Achillea millefolium
- Ambrosia artemisifolia
- Ambrosia psilostachya
- Amorpha canescens
- Andropogon gerardi
- Andropogon scoparius
- Anemone canadensis
- Anemone cylindrica
- Anemone patens
- Antennaria sp.
- Apocynum androsaemifolium
- Apocynum cannabinum
- Arenaria stricta
- Artemisia caudata
- Asclepias amplexicaulis
- Asclepias syriaca
- Asclepias tuberosa
- Asclepias verticillata
- Asclepias viridiflora
- Aster azureus
- Aster ericoides
- Aster laevis
- Aster novae-angliae
- Aster oblongifolius
- Aster ptarmicoides
- Aster sericeus
- Baptisia leucantha
- Baptisia leucophaea
- Bouteloua curtipendula
- Bouteloua hirsuta
- Cacalia tuberosa
- Calamagrostis canadensis
- Ceanothus americanus 7
- Cicuta maculata
- Cirsium discolor
- Comandra richardsoniana 8
- Convolvulus sepium
- Coreopsis palmata 8
- Cornus femina 8
- Corylus americana
- Desmodium canadense
- Desmodium illinoense
- Dodecatheon meadia
- Elymus canadensis
- Equisetum arvense
- Equisetum kansanum
- Erigeron strigosus
- Eryngium yuccifolium
- Euphorbia corollata

- Fragaria virginiana
- Galium boreale
- Gentiana andrewsii
- Gentiana puberula
- Geranium maculatum
- Geum triflorum
- Hedeoma hispida
- Helianthemum sp.
- Helianthus grosseserratus
- Helianthus laetiflorus
- Helianthus occidentalis
- Helianthus strumosus
- Heliopsis helianthoides 78
- Heuchera richardsonii
- Hieracium longipilum
- Hypoxis hirsuta
- Iris virginica
- Koeleria cristata
- Krigia biflora
- Kuhnia eupatorioides
- Lactuca canadensis
- Lactuca ludoviciana
- Lathyrus palustris
- Lathyrus venosus
- Lespedeza capitata
- Liatris aspera
- Liatris cylindracea
- Liatris pycnostachya
- Lilium michiganense
- Lilium philadelphicum
- Linum sulcatum
- Lithospermum canescens
- Lithospermum croceum
- Lithospermum incisum
- Lobelia spicata
- Monarda fistulosa 78
- Muhlenbergia cuspidata
- Muhlenbergia racemosa
- Oenothera biennis
- Oxalis violacea
- Oxypholis rigidior
- Panicum leibergii
- Panicum oligosanthos
- Panicum perlongum
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- Petalostemum candidum
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- Physalis heterophylla

- Physalis subglabrata
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- Psoralea esculenta
- Pycnanthemum virginianum
- Pyrus melanocarpa
- Quercus macrocarpa
- Ratibida pinnata
- Rhus glabra
- Rhus radicans
- Rosa sp. 8
- Rudbeckia hirta
- Salix humilis
- Saxifraga pensylvanica
- Scutellaria parvula
- Silphium integrifolium
- Silphium laciniatum
- Silphium terebinthinaceum
- Sisyrinchium campestre
- Smilacina stellata
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- Stipa spartea
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- Thalictrum dasycarpum
- Tradescantia ohioensis
- Verbena stricta
- Veronicastrum virginicum
- Vicia americana
- Viola pedata
- Viola pedatifida
- Vitis vulpina 8
- Zizia aptera
- Zizia aurea

Sambucus racemosa 8

Andropogon scoparius 8

Blue grass 78

7 500
8 400

Zanthox 7
Partheno 7
wide petiol 78
Desmodium glut. 7
Solidago ulmifolia 78
Balyzium 78

Amphi 78
Viola cucur 78
Carex penn 78

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1187
Quadrat No.

- Achillea millefolium
- Ambrosia artemisifolia
- Ambrosia psilostachya
- Amorpha canescens
- Andropogon gerardi
- Andropogon scoparius
- Anemone canadensis
- Anemone cylindrica 11
- Anemone patens
- Antennaria sp.
- Apocynum androsaemifolium
- Apocynum cannabinum
- Arenaria stricta
- Artemisia caudata
- Asclepias amplexicaulis
- Asclepias syriaca
- Asclepias tuberosa
- Asclepias verticillata
- Asclepias viridiflora
- Aster azureus
- Aster ericoides
- Aster laevis
- Aster novae-angliae
- Aster oblongifolius
- Aster ptarmicoides
- Aster sericeus
- Baptisia leucantha
- Baptisia leucophaea
- Bouteloua curtipendula
- Bouteloua hirsuta
- Cacalia tuberosa
- Calamagrostis canadensis
- Ceanothus americanus
- Cicuta maculata
- Cirsium discolor
- Comandra richardsoniana 9
- Convolvulus sepium
- Coreopsis palmata 10 11
- Cornus femina 10 11
- Corylus americana
- Desmodium canadense
- Desmodium illinoense
- Dodecatheon meadia
- Elymus canadensis
- Equisetum arvense
- Equisetum kansanum
- Erigeron strigosus
- Eryngium yuccifolium
- Euphorbia corollata

- Fragaria virginiana 9
- Galium boreale 11
- Gentiana andrewsii
- Gentiana puberula
- Geranium maculatum
- Geum triflorum
- Hedeoma hispida
- Helianthemum sp.
- Helianthus grosseserratus
- Helianthus laetiflorus
- Helianthus occidentalis
- Helianthus strumosus
- Heliopsis helianthoides 10
- Heuchera richardsonii
- Hieracium longipilum
- Hypoxis hirsuta
- Iris virginica 9
- Koeleria cristata 9
- Krigia biflora
- Kuhnia eupatorioides
- Lactuca canadensis
- Lactuca ludoviciana
- Lathyrus palustris
- Lathyrus venosus
- Lespedeza capitata
- Liatris aspera
- Liatris cylindracea
- Liatris pycnostachya
- Lilium michiganense
- Lilium philadelphicum
- Linum sulcatum
- Lithospermum canescens
- Lithospermum croceum
- Lithospermum incisum
- Lobelia spicata
- Monarda fistulosa 9 10
- Muhlenbergia cuspidata
- Muhlenbergia racemosa
- Oenothera biennis
- Oxalis violacea
- Oxypolis rigidior
- Panicum leibergii
- Panicum oligosanthos
- Panicum perlongum
- Panicum virgatum
- Petalostemum candidum
- Petalostemum purpureum
- Phlox pilosa
- Physalis heterophylla

- Physalis subglabrata
- Physalis virginiana
- Polygala senega
- Polytaenia nuttallii
- Potentilla arguta
- Potentilla canadensis
- Prenanthes racemosa
- Psoralea esculenta
- Pycnanthemum virginicum
- Pyrus melanocarpa
- Quercus macrocarpa
- Ratibida pinnata
- Rhus glabra 10 11
- Rhus radicans 9
- Rosa sp.
- Rudbeckia hirta
- Salix humilis
- Saxifraga pensylvanica
- Scutellaria parvula
- Silphium integrifolium
- Silphium laciniatum
- Silphium terebinthinaceum
- Sisyrinchium campestre
- Smilacina stellata race P
- Solidago altissima
- Solidago gigantea
- Solidago graminifolia
- Solidago juncea
- Solidago missouriensis
- Solidago nemoralis
- Solidago rigida
- Solidago speciosa
- Sorghastrum nutans
- Spartina pectinata
- Spiraea alba
- Sporobolus heterolepis
- Stipa spartea
- Tephrosia virginiana
- Thalictrum dasycarpum
- Tradescantia ohioensis
- Verbena stricta
- Veronicastrum virginicum
- Vicia americana
- Viola pedata 17
- Viola pedatifida
- Vitis vulpina 9 11
- Zizia aptera
- Zizia aurea

Additional species:

Galium 9
 Desmodium glut 9 10 11
 Petiolate aster 10 11

Calceolium 9
 Viola cucullata 9
 Amphisp 10
 Zanthoxylum 10 11

9 300
 10 600
 11 1500

Virginia pines 10
 Simulax herb 9 10
 Anala mud 9

Calceolium 11
 Prenanthes alba 10

Thalictrum
 divaricatum 11
 Rhus
 racemosa 11

Anemone 11

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1187
Quadrat No.

- Achillea millefolium
- Ambrosia artemisifolia
- Ambrosia psilostachya
- Amorpha canescens
- Andropogon gerardi
- Andropogon scoparius
- Anemone canadensis
- Anemone cylindrica
- Anemone patens
- Antennaria sp.
- Apocynum androsaemifolium
- Apocynum cannabinum
- Arenaria stricta
- Artemisia caudata
- Asclepias amplexicaulis
- Asclepias syriaca
- Asclepias tuberosa
- Asclepias verticillata
- Asclepias viridiflora
- Aster azureus
- Aster ericoides
- Aster laevis
- Aster novae-angliae
- Aster oblongifolius
- Aster ptarmicoides
- Aster sericeus
- Baptisia leucantha
- Baptisia leucophaea
- Bouteloua curtipendula
- Bouteloua hirsuta
- Cacalia tuberosa
- Calamagrostis canadensis
- Ceanothus americanus
- Cicuta maculata
- Cirsium discolor
- Comandra richardsiana
- Convolvulus sepium
- Coreopsis palmata
- Cornus femina 12 13 14
- Corylus americana
- Desmodium canadense
- Desmodium illinoense
- Dodecatheon meadia
- Elymus canadensis
- Equisetum arvense
- Equisetum kansanum
- Erigeron strigosus
- Eryngium yuccifolium
- Euphorbia corollata

- Aquilegia 12*
- Fragaria virginiana
- Galium boreale 14
- Gentiana andrewsii
- Gentiana puberula
- Geranium maculatum 12 13
- Geum triflorum
- Hedeoma hispida
- Helianthemum sp.
- Helianthus grosseserratus
- Helianthus laetiflorus
- Helianthus occidentalis
- Helianthus strumosus
- Heliopsis helianthoides
- Heuchera richardsonii R
- Hieracium longipilum
- Hypoxis hirsuta
- Iris virginica
- Koeleria cristata
- Krigia biflora
- Kuhnia eupatorioides
- Lactuca canadensis
- Lactuca ludoviciana
- Lathyrus palustris
- Lathyrus venosus
- Lespedeza capitata
- Liatris aspera
- Liatris cylindracea
- Liatris pycnostachya
- Lilium michiganense
- Lilium philadelphicum
- Linum sulcatum
- Lithospermum canescens
- Lithospermum croceum
- Lithospermum incisum
- Lobelia spicata
- Monarda fistulosa
- Muhlenbergia cuspidata
- Muhlenbergia racemosa
- Oenothera biennis
- Oxalis violacea
- Oxypolis rigidior
- Panicum leibergii
- Panicum oligosanthos
- Panicum perlongum
- Panicum virgatum
- Petalostemum candidum
- Petalostemum purpureum
- Phlox pilosa
- Physalis heterophylla

- Physalis subglabrata
- Physalis virginiana
- Polygala senega
- Polytaenia nuttallii
- Potentilla arguta
- Potentilla canadensis
- Prenanthes racemosa
- Psoralea esculenta
- Pycnanthemum virginicum
- Pyrus melanocarpa
- Quercus macrocarpa
- Ratibida pinnata
- Rhus glabra
- Rhus radicans 12 14
- Rosa sp.
- Rudbeckia hirta
- Salix humilis
- Saxifraga pensylvanica
- Scutellaria parvula
- Silphium integrifolium
- Silphium laciniatum
- Silphium terebinthinaceum
- Sisyrinchium campestre
- Smilacina stellata
- Solidago altissima
- Solidago gigantea
- Solidago graminifolia
- Solidago juncea
- Solidago missouriensis
- Solidago nemoralis
- Solidago rigida
- Solidago speciosa
- Sorghastrum nutans
- Spartina pectinata
- Spiraea alba
- Sporobolus heterolepis
- Stipa spartea
- Tephrosia virginiana
- Thalictrum dasycarpum
- Tradescantia ohioensis
- Verbena stricta
- Veronicastrum virginicum
- Vicia americana
- Viola pedata
- Viola pedatifida
- Vitis vulpina 12 14
- Zizia aptera
- Zizia aurea

Prenanthes alba 14

Oenothera lutea 13

Polygala complanata 13

Smilax herbacea 12

Additional species:
12 150
13 40
14 500

Desmod. glut 12 13 14
wide petioled aster 12 14
Urtica 12 14

Sarcocolla may 14
amphicarp 14

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1187
Quadrat No.

- Achillea millefolium
- Ambrosia artemisifolia
- Ambrosia psilostachya
- Amorpha canescens
- Andropogon gerardi
- Andropogon scoparius
- Anemone canadensis
- Anemone cylindrica
- Anemone patens
- Antennaria sp.
- Apocynum androsaemifolium
- Apocynum cannabinum
- Arenaria stricta
- Artemisia caudata
- Asclepias amplexicaulis
- Asclepias syriaca
- Asclepias tuberosa
- Asclepias verticillata
- Asclepias viridiflora
- Aster azureus
- Aster ericoides
- Aster laevis
- Aster novae-angliae
- Aster oblongifolius
- Aster ptarmicoides
- Aster sericeus
- Baptisia leucantha
- Baptisia leucophaea
- Bouteloua curtipendula
- Bouteloua hirsuta
- Cacalia tuberosa
- Calamagrostis canadensis
- Ceanothus americanus
- Cicuta maculata
- Cirsium discolor
- Comandra richardsiana
- Convolvulus sepium
- Coreopsis palmata
- Cornus femina 15
- Corylus americana
- Desmodium canadense
- Desmodium illinoense
- Dodecatheon meadia
- Elymus canadensis
- Equisetum arvense
- Equisetum kansanum
- Erigeron strigosus
- Eryngium yuccifolium
- Euphorbia corollata

- Fragaria virginiana
- Galium boreale 15
- Gentiana andrewsii
- Gentiana puberula
- Geranium maculatum 15 16 17
- Geum triflorum
- Hedeoma hispida
- Helianthemum sp.
- Helianthus grosseserratus
- Helianthus laetiflorus
- Helianthus occidentalis
- Helianthus strumosus
- Heliopsis helianthoides
- Heuchera richardsonii
- Hieracium longipilum
- Hypoxis hirsuta
- Iris virginica
- Koeleria cristata
- Krigia biflora
- Kuhnia eupatorioides
- Lactuca canadensis
- Lactuca ludoviciana
- Lathyrus palustris
- Lathyrus venosus
- Lespedeza capitata
- Liatris aspera
- Liatris cylindracea
- Liatris pycnostachya
- Lilium michiganense
- Lilium philadelphicum
- Linum sulcatum
- Lithospermum canescens
- Lithospermum croceum
- Lithospermum incisum
- Lobelia spicata
- Monarda fistulosa
- Muhlenbergia cuspidata
- Muhlenbergia racemosa
- Oenothera biennis
- Oxalis violacea
- Oxypolis rigidior
- Panicum leibergii
- Panicum oligosanthos
- Panicum perlongum
- Panicum virgatum
- Petalostemum candidum
- Petalostemum purpureum
- Phlox pilosa
- Physalis heterophylla

- Physalis subglabrata
- Physalis virginiana
- Polygala senega
- Polytaenia nuttallii
- Potentilla arguta
- Potentilla canadensis
- Prenanthes racemosa
- Psoralea esculenta
- Pycnanthemum virginicum
- Pyrus melanocarpa
- Quercus macrocarpa
- Ratibida pinnata
- Rhus glabra
- Rhus radicans
- Rosa sp.
- Rudbeckia hirta
- Salix humilis
- Saxifraga pensylvanica
- Scutellaria parvula
- Silphium integrifolium
- Silphium laciniatum
- Silphium terebinthinaceum
- Sisyrinchium campestre
- Smilacina stellata
- Solidago altissima
- Solidago gigantea
- Solidago graminifolia
- Solidago juncea
- Solidago missouriensis
- Solidago nemoralis
- Solidago rigida
- Solidago speciosa
- Sorghastrum nutans
- Spartina pectinata
- Spiraea alba
- Sporobolus heterolepis
- Stipa spartea
- Tephrosia virginiana
- Thalictrum dasycarpum
- Tradescantia ohioensis
- Verbena stricta
- Veronicastrum virginicum
- Vicia americana
- Viola pedata
- Viola pedatifida
- Vitis vulpina 16
- Zizia aptera
- Zizia aurea

Alactis 15
 Urtica 15
 Acalia rubra 15 17
 Vagin perone 15

Carex 16
 Rubus cymosus 15
 Smilax herbacea 16

Diocorea 16

Additional species:
 15 50
 16 100
 17 150

Parthenocissus 15 16 17
 wide petioled aster 15
 Desmodium glut 16 17

Athyrum august 16
 Rubus black 16 17
 grass in front 17

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1187
Quadrat No.

Achillea millefolium
Ambrosia artemisifolia
Ambrosia psilostachya
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Andropogon scoparius
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Anemone cylindrica
Anemone patens
Antennaria sp.
Apocynum androsaemifolium
Apocynum cannabinum
Arenaria stricta
Artemisia caudata
Asclepias amplexicaulis
Asclepias syriaca
Asclepias tuberosa
Asclepias verticillata
Asclepias viridiflora
Aster azureus
Aster ericoides
Aster laevis
Aster novae-angliae
Aster oblongifolius
Aster ptarmicoides
Aster sericeus
Baptisia leucantha
Baptisia leucophaea
Bouteloua curtipendula
Bouteloua hirsuta
Cacalia tuberosa
Calamagrostis canadensis
Ceanothus americanus
Cicuta maculata
Cirsium discolor
Comandra richardsiana
Convolvulus sepium
Coreopsis palmata
Cornus femina 18
Corylus americana
Desmodium canadense
Desmodium illinoense
Dodecatheon meadia
Elymus canadensis
Equisetum arvense
Equisetum kansanum
Erigeron strigosus
Eryngium yuccifolium
Euphorbia corollata

Fragaria virginiana
Galium boreale
Gentiana andrewsii
Gentiana puberula
Geranium maculatum
Geum triflorum
Hedeoma hispida
Helianthemum sp.
Helianthus grosseserratus
Helianthus laetiflorus
Helianthus occidentalis
Helianthus strumosus
Heliopsis helianthoides
Heuchera richardsonii
Hieracium longipilum
Hypoxis hirsuta
Iris virginica
Koeleria cristata
Krigia biflora
Kuhnia eupatorioides
Lactuca canadensis
Lactuca ludoviciana
Lathyrus palustris
Lathyrus venosus
Lespedeza capitata
Liatris aspera
Liatris cylindracea
Liatris pycnostachya
Lilium michiganense
Lilium philadelphicum
Linum sulcatum
Lithospermum canescens
Lithospermum croceum
Lithospermum incisum
Lobelia spicata
Monarda fistulosa
Muhlenbergia cuspidata
Muhlenbergia racemosa
Oenothera biennis
Oxalis violacea
Oxypolis rigidior
Panicum leibergii
Panicum oligosanthos
Panicum perlongum
Panicum virgatum
Petalostemum candidum
Petalostemum purpureum
Phlox pilosa
Physalis heterophylla

Physalis subglabrata
Physalis virginiana
Polygala senega
Polytaenia nuttallii
Potentilla arguta
Potentilla canadensis
Prenanthes racemosa
Psoralea esculenta
Pycnanthemum virginicum
Pyrus melanocarpa
Quercus macrocarpa
Ratibida pinnata
Rhus glabra
Rhus radicans 18
Rosa sp.
Rudbeckia hirta
Salix humilis
Saxifraga pennsylvanica
Scutellaria parvula
Silphium integrifolium
Silphium laciniatum
Silphium terebinthinaceum
Sisyrinchium campestre
Smilacina stellata
Solidago altissima
Solidago gigantea
Solidago graminifolia
Solidago juncea
Solidago missouriensis
Solidago nemoralis
Solidago rigida
Solidago speciosa
Sorghastrum nutans
Spartina pectinata
Spiraea alba
Sporobolus heterolepis
Stipa spartea
Tephrosia virginiana
Thalictrum dasycarpum
Tradescantia ohioensis
Verbena stricta
Veronicastrum virginicum
Vicia americana
Viola pedata
Viola pedatifida
Vitis vulpina
Zizia aptera
Zizia aurea

Additional species: 18500

Parthenocissus 18

Rubus black 18
Aster pycnostachya 18
Aster nudus 18

Pteridium 18
Cirsium 18
Urtica 18