



# LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

## **Site 1196: Columbia Golf, Columbia County, Township 12N, Range 10E, Section 6, NW 1/4, NW 1/4. 1952-09**

[s.l.]: [s.n.], 1952-09

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## STAND RECORD

## FORESTS

Stand No. 1196

Name:

Columbia golf

County:

Columbia

Date:

Sept. 1952

Size of Stand:

5 acres

Forest Type:

oak open

Topography:

level

Locality:

T: 12N

R: 10E

Sec: 6

NW NW

Observers:

Bray

Size of Area Sampled:

5 acres

Soil Type:

Slope: none

Directions

Condition of Stand:

excellent,

a little dumping next to the golf course.

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 <sub>0</sub> |    |   |   |   |    |    |           |          |        |
| A <sub>1</sub> |    |   |   |   |    |    |           |          |        |
| A <sub>2</sub> |    |   |   |   |    |    |           |          |        |
| B              |    |   |   |   |    |    |           |          |        |

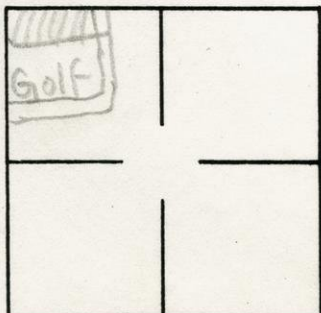
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

|                |  |
|----------------|--|
| A <sub>0</sub> |  |
| A <sub>1</sub> |  |
| A <sub>2</sub> |  |
| B              |  |

Parent Material:

Map:



14631  
50722

Dom. per  
acre  
7,301

2.62

## POINT RECORD TREES

## SOUTHERN HARDWOODS

Stand No. 1196

| 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  | 160<br>75 | 40<br>140 |           | 65<br>240 | 45<br>40 | 25<br>35 | 25<br>50 |          |          |           |
| Q. ellipsoid  |           |           |           |           |          |          |          |          |          |           |
| Q. macrocarpa |           |           |           |           |          |          |          |          |          |           |
| Q. rubra      |           |           |           |           |          |          |          |          |          |           |
| Q. velutina   |           |           | 150<br>65 |           |          |          |          | 30<br>80 | 60<br>75 | 120<br>35 |
| Tilia amer    |           |           |           |           |          |          |          |          |          | 30        |
| Ulmus amer    |           |           |           |           |          |          |          |          |          |           |
| Ulmus fulva   |           |           |           |           |          |          |          |          |          |           |
|               |           |           |           |           |          |          |          |          |          |           |
|               |           |           |           |           |          |          |          |          |          |           |
| Distance      | 29 1/2    | 21 1/2    | 22        | 35 1/2    | 25       | 11       | 31 1/2   | 19 1/2   | 13 1/2   | 16 1/2    |

## POINT RECORD TREES

## SOUTHERN HARDWOODS

Stand No. 1196

| 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  | 40<br>60 | 30<br>65 |           | 40<br>110 | 60<br>65     | 100<br>280 | 157<br>50 | 65<br>15 | 35       | 302<br>35 |
| Q. ellipsoid  |          |          |           |           |              |            |           | 35       |          |           |
| Q. macrocarpa |          |          |           |           |              |            |           |          |          |           |
| Q. rubra      |          |          |           |           |              |            |           |          |          |           |
| Q. velutina   |          |          | 65<br>100 |           | 200          |            | 140       |          | 50<br>15 | 100       |
| Tilia amer    |          |          |           |           |              |            |           |          |          |           |
| Ulmus amer    |          |          |           |           |              |            |           |          |          |           |
| Ulmus fulva   |          |          |           |           |              |            |           |          |          |           |
|               |          |          |           |           |              |            |           |          |          |           |
|               |          |          |           |           |              |            |           |          |          |           |
| Distance      | 31 1/2   | 18       | 13        | 15 1/2    | 42<br>10 1/2 | 11         | 35        | 21       | 39       | 32 1/2    |
|               | 10       | 12       | 13        | 14        | 20           | 15         | 16        | 17       | 18       | 19        |

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 1

5600 1000  
2000 1000

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  
 Cacia tuberosa  
 Calamagrostis canadensis -  
 Ceanothus americanus  
 Cicuta maculata  
 Cirsium discolor  
 Comandra richardsiana  
 Convolvulus sepium  
 Coreopsis palmata  
 Cornus femina  
 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 virginianum  
 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  
 Zizia aptera  
 Zizia aurea

Additional species:

Amphicarpa

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 2

560 800  
1100 800

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  
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  
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  
Zizia aptera  
Zizia aurea

Additional species:

Amphicarpus  
Aureolaria flava.

Sambucus mayland

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 3

500 4700  
500 400

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  
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  
Heliotropis 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  
Zizia aptera  
Zizia aurea

Additional species: *Amphicarpus*

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 4

400 350  
1000 660

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  
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  
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  
Zizia aptera  
Zizia aurea

Additional species:

Amphicarpa  
Anemone

Maianthemum  
Hieracium longipilum

Presence or Frequency  
(Common species only)

## PRAIRIES.

Stand No. 1196  
Quadrat No. 5

500, 700, 600 600

*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 richardsoniana*  
*Convolvulus sepium*  
*Coreopsis palmata*  
*Cornus femina*  
*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*  
*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*  
*Zizia aptera*  
*Zizia aurea*

Additional species:

*Amphicarpa*

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 6

500 3,000  
1,500 10,000

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  
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  
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  
Zizia aptera  
Zizia aurea

Additional species:

Amphicarpa

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 7

600 2000  
900 21600

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  
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 oligosanthes  
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  
Zizia aptera  
Zizia aurea

Additional species:

Amphicarpia  
Polygonatum canadense

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 8

1000 1000  
500 1000

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  
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  
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  
Zizia aptera  
Zizia aurea

Additional species:

Black oak  
Amphicarpa

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 9

1,000 1,000  
1,000 4,000

Achillea millefolium  
Ambrosia artemisiifolia  
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 richardsoniana  
Convolvulus sepium  
Coreopsis palmata  
Cornus femina  
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  
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  
Zizia aptera  
Zizia aurea

Additional species:

Amphicarpa

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 10

400 3,000  
500 5,000  
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  
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  
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  
Zizia aptera  
Zizia aurea

Additional species:

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 11

500 500  
1000 500

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  
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  
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* crypt.  
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:

*Lactuca* sp.

Presence or Frequency  
 (Common species only)

## PRAIRIES

 Stand No. 1196  
 Quadrat No. 12

3000 3000  
 3000 6500  
 12  
 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  
 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 virginianum  
 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  
 Veronicastrium virginicum  
 Vicia americana  
 Viola pedata  
 Viola pedatifida  
 Vitis vulpina  
 Zizia aptera  
 Zizia aurea

Additional species:

Amphicarpia

Presence or Frequency  
 (Common species only)

## PRAIRIES

 Stand No. 1196  
 Quadrat No. 13

1,500 2,600  
 2,000 3,000  
 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  
 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 virginianum  
 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  
 Veronicastrium virginicum  
 Vicia americana  
 Viola pedata  
 Viola pedatifida  
 Vitis vulpina  
 Zizia aptera  
 Zizia aurea

Additional species:

Amphicarpa  
 Carex pens

Quercus vel

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 14

10,000 10,000  
10,000 10,000  
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  
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  
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  
Zizia aptera  
Zizia aurea

Additional species:

Amphicarpa

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 15

150 3000  
150 5000  
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 richardsoniana  
Convolvulus sepium  
Coreopsis palmata  
Cornus femina  
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  
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  
Zizia aptera  
Zizia aurea

Additional species:

Amphicarpum  
Marasanthemum

Polygonum blue grass  
can

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 16

600 1,600  
600 6000  
16  
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 richardsoniana  
Convolvulus sepium  
Coreopsis palmata  
Cornus femina  
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  
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  
Zizia aptera  
Zizia aurea

Additional species:

Amplexicaulis

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 17

500 3,000  
900 6,000

17

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  
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  
Helioopsis 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  
Zizia aptera  
Zizia aurea

Additional species:

Amphicarpa

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 18

1000 6500  
2000 8000  
18  
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 richardsoniana  
Convolvulus sepium  
Coreopsis palmata  
Cornus femina  
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  
Heliotropis 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  
Zizia aptera  
Zizia aurea

Additional species:

Aquilegia  
Anemone

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 19

800 1100 1500  
19  
Achillea millefolium  
Ambrosia artemisiifolia  
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 richardsoniana  
Convolvulus sepium  
Coreopsis palmata  
Cornus femina  
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  
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  
Zizia aptera  
Zizia aurea

Additional species:

Quercus  
vel.

Chenopodium

Amphicarpia

Presence or Frequency  
(Common species only)

## PRAIRIES

Stand No. 1196  
Quadrat No. 20

400 2,000  
600 2,000

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 richardsoniana  
Convolvulus sepium  
Coreopsis palmata  
Cornus femina  
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 virginianum  
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  
Zizia aptera  
Zizia aurea

Additional species:

Amphicarpia  
Carex penn