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Site 1144: Sauk County, Township 13N, Range 5E, Section 12. 1951-07

[s.l.]: [s.n.], 1951-07

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STAND RECORD

FORESTS

Stand No. 1144

Name:

Locality:

County: Sauk

T: 13N

R: 5E

Sec: 12

NE SE

Date: 1st week July, 1951

Observers: Anderson, Gray, Brown

Size of Stand: 3 acres

Size of Area Sampled: 3 acres

Forest Type: Black oak open

Soil Type: Sand

Topography: sloping to road

Slope: 2-40 Directions South

Condition of Stand:

Good, no fence, no grazing, no evidence of cutting

BP 27, 31, 30

Open Grown Trees: white oak 600

% Canopy: 20-25

Stumps:

1.	4.	7.	10.
2.	5.	8.	11.
3.	6.	9.	12.

Soil Data:

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

DEPTH

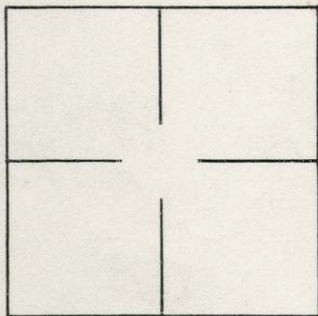
CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1/2-1 in	moor, little grass
A ₁	4 in	black-gray, peaty
A ₂	—	—
B	—	brown sand

Parent Material:

Serpentine (P)

Map:



POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

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										
Juglanscin										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba										
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	85 14	23 14	13 28	15 4	23 12	40 28	45 30	30 14	20 120	20 335
Tilia amer										
Ulmus amer										
Ulmus fulva										
Distance	20	18½	18	19½	33	29	27	25	9½	17

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

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	600									
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	40	40	50	35	15	50	15	170	175	30
	4	15	4	35	55	20	65	450	4	80
Tilia amer										
Ulmus amer										
Ulmus fulva										
Distance	58	52	28½	23	18	25	29½	12	13	18

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
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
 ✓ Corylus americana
 Desmodium canadense
 Desmodium illinoense
 Dodecatheon meadia
 Elymus canadensis
 Equisetum arvense
 Equisetum kansanum
 Erigeron strigosus *ramosus*
 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 *pre-ang*
 Petalostemum candidum
 Petalostemum purpureum
 Phlox pilosa
 Physalis heterophylla *sp*

Physalis subglabrata
 ✓ Physalis virginiana
 Polygala senega *polygama*
 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 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
 Veronicastrium virginicum
 Vicia americana
 ✓ Viola pedata
 Viola pedatifida
 Vitis vulpina
 Zizia aptera
 Zizia aurea

Additional species:

Analis hypata
Tephrosia
Polygonatum canad
Pseudium
Hieracium longipilum
Thalictrum rugospermum
Lepidium common
Lechen *intermedia*

Presence List
(Uncommon species)

PRAIRIES

Stand No. 1144

Locality:

County:

Sec:

T:

R:

Date:

Observers:

Size of Stand:

Size of Area Sampled:

Condition of Stand:

Type:

<i>Acer negundo</i>	<i>Celastrus scandens</i>	<i>L. spicata</i>	<i>Prenanthes alba</i>
<i>Agoseris cuspidata</i>	<i>Chrysopsis villosa</i>	<i>Lobelia kalmii</i>	<i>P. aspera</i>
<i>Agropyron subsecun</i>	<i>Cirsium hillii</i>	<i>Lupinus perennis</i>	<i>Prunella vulgaris</i>
<i>Aletris farinosa</i>	<i>C. undulatum</i>	<i>Lycopus americanus</i>	<i>Psoralea argophyll</i>
<i>Allium canadense</i>	<i>Crataegus sp.</i>	<i>L. uniflorus</i>	<i>Pteridium latiuscu</i>
<i>A. cernuum</i>	<i>Cypripedium candid</i>	<i>Lysimachia ciliata</i>	<i>Pyrus ioensis</i>
<i>Amphicarpa monoica</i>	<i>C. pubescens</i>	<i>L. lanceolata</i>	<i>Rudbeckia subtomen</i>
<i>Anemone quinquefol</i>	<i>Draba reptans</i>	<i>L. quadriflora</i>	<i>Sanicula sp.</i>
<i>A. virginiana</i>	<i>Dryopteris thelypt</i>	<i>L. quadrifolia</i>	<i>Scleria triglomera</i>
<i>Apios americana</i>	<i>Echinacea pallida</i>	<i>Lythrum alatum</i>	<i>Scrophularia lance</i>
<i>Aquilegia canadens</i>	<i>E. virginicus</i>	<i>Mirabilis nyctagin</i>	<i>Selaginella rupest</i>
<i>Arabis lyrata</i>	<i>Equisetum hyemale</i>	<i>Monarda punctata</i>	<i>Senecio aureus</i>
<i>Artemisia ludovici</i>	<i>Erigeron philadelp</i>	<i>Napaea dioica</i>	<i>S. pauperculus</i>
<i>A. serrata</i>	<i>E. pulchellus</i>	<i>Oenothera perennis</i>	<i>Silene antirrhina</i>
<i>Asclepias incarnat</i>	<i>Eupatorium altissi</i>	<i>O. rhombipetala</i>	<i>S. stellata</i>
<i>A. lanuginosa</i>	<i>Galium tinctorium</i>	<i>Onoclea sensibilis</i>	<i>Silphium perfoliat</i>
<i>A. longifolia</i>	<i>Gaura biennis</i>	<i>Orobanche fascicul</i>	<i>Smilacina racemosa</i>
<i>A. ovalifolia</i>	<i>Gentiana crinita</i>	<i>O. uniflora</i>	<i>Solidago riddellii</i>
<i>A. purpurascens</i>	<i>G. flavida</i>	<i>Panicum praecocius</i>	<i>Specularia perfoli</i>
<i>A. sullivantii</i>	<i>G. procera</i>	<i>Parnassia glauca</i>	<i>Spiranthes ochrole</i>
<i>Aster linariifoliu</i>	<i>G. quinquefolia</i>	<i>Parthenium integri</i>	<i>Sporobolus asper</i>
<i>A. pilosus</i>	<i>Gerardia aspera</i>	<i>Parthenocissus ins</i>	<i>S. cryptandrus</i>
<i>A. sagittifolius</i>	<i>G. gattingeri</i>	<i>Pedicularis canade</i>	<i>S. vaginiflorus</i>
<i>A. umbellatus</i>	<i>G. grandiflora</i>	<i>P. lanceolata</i>	<i>Stachys palustris</i>
<i>Astragalus candens</i>	<i>Gnaphalium obtusif</i>	<i>Pentstemon digital</i>	<i>Symphoricarpos occ</i>
<i>Blephilia ciliata</i>	<i>Grindelia squarros</i>	<i>Petalostemum villo</i>	<i>Taenidia integerri</i>
<i>Bromus kalmii</i>	<i>Habenaria leucopha</i>	<i>Phalaris arundinac</i>	<i>Thaspium aureum</i>
<i>Cacalia atriplicif</i>	<i>Hieracium canadens</i>	<i>Phlox glaberrima</i>	<i>Triosteum perfolia</i>
<i>Cacalia suaveolens</i>	<i>Hierochloe odorata</i>	<i>Plantago rugelii</i>	<i>Valeriana ciliata</i>
<i>Callirhoe triangul</i>	<i>Houstonia caerulea</i>	<i>Polemonium reptans</i>	<i>Verbena hastata</i>
<i>Calopogon pulchell</i>	<i>H. longifolium</i>	<i>Polygala polygama</i>	<i>Vernonia fascicula</i>
<i>Carex muhlenbergii</i>	<i>Hystrix patula</i>	<i>P. sanguinea</i>	<i>Vicia angustifolia</i>
<i>C. pensylvanica</i>	<i>Lathyrus ochroleuc</i>	<i>P. verticillata</i>	<i>V. villosa</i>
<i>C. vulpinoidea</i>	<i>Lechea tenuifolia</i>	<i>Polygonatum commut</i>	<i>Viola sagittata</i>
<i>Castilleja coccine</i>	<i>Leptoloma cognatum</i>	<i>Populus tremuloide</i>	<i>Wulfenia bullii</i>
<i>C. sessiliflora</i>	<i>Liatris ligulostyl</i>	<i>Potentilla frutico</i>	<i>Zigadenus elegans</i>
<i>Ceanothus ovatus</i>			

Additional species:

Cyperus phylacomus
Oenothera fruticosa
Helianthemum cana
Aster laevis
Aureolaria flava
Arctostaphylos

Solidago juncea?
Campanula rotund
(Mazaea gale) *Comptonia*
Monarda punctata
Re
Solidago nemoralis
Vaccinium angust.
Prunus pumila

TYPE: ☐ ☐ ☐

[illegible]

STATION NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	F	D
Baptisia leucantha																						
B. leucophaea																						
Besseyia bullii																						
Blephilia ciliata																						
Bouteloua curtipen																						
B. hirsuta																						
Brauneria pallida																						
Bromus kalmii																						
Cacalia atriplicif																						
Cacalia suaveolens																						
C. tuberosa																						
Calamagrostis cana																						
Callirhoe triangul																						
Calopogon pulchell																						
Carex Muhlenbergii																						
C. pennsylvanica																						
C. vulpinoidea																						
Castilleja coccine																						
C. sessiliflora																						
Ceanothus american																						
Celastrus scandens																						
Cicuta maculata																						
Cirsium discolor																						
C. hillii																						
C. undulatum																						
Comandra umbellata	✓											✓	✓	✓			✓				25	✓
Convolvulus sepium																						
Coreopsis palmata	✓					✓		✓				✓	✓			✓					30	✓
Cornus racemosa																						
Corylus americana																						✓
Crataegus sp.																						
Cyrtopodium candiu																						
C. pubescens																						
Desmodium canadens																						
D. illinoense																						
Dodecatheon meadia																						
Draba caroliniana																						
Dryopteris thelypt																						
Elymus canadensis																						
E. virginicus																						
Equisetum arvense																						
E. hyemale																						
E. laevigatum																						
Erigeron philadelp																						
E. pulchellus																						
E. ramosus																✓					5	✓
E. yuccifolium																						
Eupatorium altissi																						
Euphorbia corollat	✓	✓	✓					✓	✓	✓	✓		✓		✓	✓	✓				55	✓
Fragaria virginian																						
Galium boreale																						
G. tinctorium L.																						

[illegible]

PRAIRIE SURVEY

TYPE:

5.

[illegible]

TYPE:

[illegible]

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 1

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 (P)
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
Veronicastrum virginicum
Vicia americana
Viola pedata
Viola pedatifida
Vitis vulpina
Zizia aptera
Zizia aurea

Additional species:

Campanula
Poa pratensis

Agrostis
Comptonia as.

Presence or Frequency
(Common species only)

PRAIRIES.

Stand No. 1144
Quadrat No. 2

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 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 *pauciflorus*
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 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:

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 3

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. *Can*
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 *precocious*
✓ 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 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 (P)
Tephrosia virginiana
Thalictrum dasycarpum
✓ Tradescantia ohioensis
Verbena stricta
Veronicastrum virginicum
Vicia americana
Viola pedata
Viola pedatifida
Vitis vulpina
Zizia aptera
Zizia aurea

Additional species:

Oenothera biennis
Talium myospermum

Sedgemoor

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 4

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. *canadense*
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 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:

Poa pratensis

pteridium

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 5

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:

Sedge 5 headed
Polygala polygama
Talium magospermum
plendium
Poa prat

Gaylussacia
vacata

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 6

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. *Canaden*
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 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:

Salix
Analis lyrata

Asclepias

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 7

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:

Anabasis lyrata

Poa pratensis

Polygala canadensis
Amelanchier
Comptonia aspl.

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 8

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. *can*
 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 *sp*
 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 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
 Veronicastrium virginicum
 Vicia americana
 Viola pedata
 Viola pedatifida
 Vitis vulpina
 Zizia aptera
 Zizia aurea

Additional species:

Corylus amer. (P)
Selaginella rupestris

Carex penn. (T)

Poa pratensis
Stenandrium
(Aegagropogon) *Camptonia as.*
Solidago juncea

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 9

<i>Achillea millefolium</i>	<i>Fragaria virginiana</i>	<i>Physalis subglabrata</i>
<i>Ambrosia artemisifolia</i>	<i>Galium boreale</i>	<i>Physalis virginiana</i>
<i>Ambrosia psilostachya</i>	<i>Gentiana andrewsii</i>	<i>Polygala senega</i>
<i>Amorpha canescens</i>	<i>Gentiana puberula</i>	<i>Polytaenia nuttallii</i>
<i>Andropogon gerardi</i>	<i>Geranium maculatum</i>	<i>Potentilla arguta</i>
<i>Andropogon scoparius</i>	<i>Geum triflorum</i>	<i>Potentilla canadensis</i>
<i>Anemone canadensis</i>	<i>Hedeoma hispida</i>	<i>Prenanthes racemosa</i>
<i>Anemone cylindrica</i>	<i>Helianthemum</i> sp.	<i>Psoralea esculenta</i>
<i>Anemone patens</i>	<i>Helianthus grosseserratus</i>	<i>Pycnanthemum virginicum</i>
<i>Antennaria</i> sp.	<i>Helianthus laetiflorus</i>	<i>Pyrus melanocarpa</i>
<i>Apocynum androsaemifolium</i>	<i>Helianthus occidentalis</i>	<i>Quercus macrocarpa</i>
<i>Apocynum cannabinum</i>	<i>Helianthus strumosus</i>	<i>Ratibida pinnata</i>
<i>Arenaria stricta</i>	<i>Heliopsis helianthoides</i>	<i>Rhus glabra</i>
<i>Artemisia caudata</i>	<i>Heuchera richardsonii</i>	<i>Rhus radicans</i>
<i>Asclepias amplexicaulis</i>	<i>Hieracium longipilum</i>	<i>Rosa</i> sp.
<i>Asclepias syriaca</i>	<i>Hypoxis hirsuta</i>	<i>Rudbeckia hirta</i>
<i>Asclepias tuberosa</i>	<i>Iris virginica</i>	<i>Salix humilis</i>
<i>Asclepias verticillata</i>	<i>Koeleria cristata</i>	<i>Saxifraga pennsylvanica</i>
<i>Asclepias viridiflora</i>	<i>Krigia biflora</i>	<i>Scutellaria parvula</i>
<i>Aster azureus</i>	<i>Kuhnia eupatorioides</i>	<i>Silphium integrifolium</i>
<i>Aster ericoides</i>	<i>Lactuca canadensis</i>	<i>Silphium laciniatum</i>
<i>Aster laevis</i>	<i>Lactuca ludoviciana</i>	<i>Silphium terebinthinaceum</i>
<i>Aster novae-angliae</i>	<i>Lathyrus palustris</i>	<i>Sisyrinchium campestre</i>
<i>Aster oblongifolius</i>	<i>Lathyrus venosus</i>	<i>Smilacina stellata</i>
<i>Aster ptarmicoides</i>	<i>Lespedeza capitata</i>	<i>Solidago altissima</i>
<i>Aster sericeus</i>	<i>Liatris aspera</i>	<i>Solidago gigantea</i>
<i>Baptisia leucantha</i>	<i>Liatris cylindracea</i>	<i>Solidago graminifolia</i>
<i>Baptisia leucophaea</i>	<i>Liatris pycnostachya</i>	<i>Solidago juncea</i>
<i>Bouteloua curtipendula</i>	<i>Lilium michiganense</i>	<i>Solidago missouriensis</i>
<i>Bouteloua hirsuta</i>	<i>Lilium philadelphicum</i>	<i>Solidago nemoralis</i>
<i>Cacalia tuberosa</i>	<i>Linum sulcatum</i>	<i>Solidago rigida</i>
<i>Calamagrostis canadensis</i>	<i>Lithospermum canescens</i>	<i>Solidago speciosa</i>
<i>Ceanothus americanus</i>	<i>Lithospermum croceum</i>	<i>Sorghastrum nutans</i>
<i>Cicuta maculata</i>	<i>Lithospermum incisum</i>	<i>Spartina pectinata</i>
<i>Cirsium discolor</i>	<i>Lobelia spicata</i>	<i>Spiraea alba</i>
<i>Comandra richardsoniana</i>	<i>Monarda fistulosa</i>	<i>Sporobolus heterolepis</i>
<i>Convolvulus sepium</i>	<i>Muhlenbergia cuspidata</i>	<i>Stipa spartea</i>
<i>Coreopsis palmata</i>	<i>Muhlenbergia racemosa</i>	<i>Tephrosia virginiana</i>
<i>Cornus femina</i>	<i>Oenothera biennis</i>	<i>Thalictrum dasycarpum</i>
<i>Corylus americana</i>	<i>Oxalis violacea</i>	<i>Tradescantia ohioensis</i>
<i>Desmodium canadense</i>	<i>Oxypolis rigidior</i>	<i>Verbena stricta</i>
<i>Desmodium illinoense</i>	<i>Panicum leibergii</i>	<i>Veronicastrum virginicum</i>
<i>Dodecatheon meadia</i>	<i>Panicum oligosanthos</i>	<i>Vicia americana</i>
<i>Elymus canadensis</i>	<i>Panicum perlongum</i>	<i>Viola pedata</i>
<i>Equisetum arvense</i>	<i>Panicum virgatum</i>	<i>Viola pedatifida</i>
<i>Equisetum kansanum</i>	<i>Petalostemum candidum</i>	<i>Vitis vulpina</i>
<i>Erigeron strigosus</i>	<i>Petalostemum purpureum</i>	<i>Zizia aptera</i>
<i>Eryngium yuccifolium</i>	<i>Phlox pilosa</i>	<i>Zizia aurea</i>
<i>Euphorbia corollata</i>	<i>Physalis heterophylla</i>	

Additional species:

Poa pratensis
Carex plum

Vaccinium
angustifolium (P)

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 11

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 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:

*Analis lyrata**Blue grass*
Vaccinium angustifolium

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 11

Achillea millefolium	Fragaria virginiana	Physalis subglabrata
Ambrosia artemisifolia	Galium boreale	Physalis virginiana
Ambrosia psilostachya	Gentiana andrewsii	Polygala senega
Amorpha canescens	Gentiana puberula	Polytaenia nuttallii
Andropogon gerardi	Geranium maculatum	Potentilla arguta
Andropogon scoparius	Geum triflorum	Potentilla canadensis
Anemone canadensis	Hedeoma hispida	Prenanthes racemosa
Anemone cylindrica	Helianthemum sp.	Psoralea esculenta
Anemone patens	Helianthus grosseserratus	Pycnanthemum virginicum
Antennaria sp.	Helianthus laetiflorus	Pyrus melanocarpa
Apocynum androsaemifolium	Helianthus occidentalis	Quercus macrocarpa
Apocynum cannabinum	Helianthus strumosus	Ratibida pinnata
Arenaria stricta	Heliopsis helianthoides	Rhus glabra
Artemisia caudata	Heuchera richardsonii	Rhus radicans
Asclepias amplexicaulis	Hieracium longipilum	Rosa sp.
Asclepias syriaca	Hypoxis hirsuta	Rudbeckia hirta
Asclepias tuberosa	Iris virginica	Salix humilis
Asclepias verticillata	Koeleria cristata	Saxifraga pennsylvanica
Asclepias viridiflora	Krigia biflora	Scutellaria parvula
Aster azureus	Kuhnia eupatorioides	Silphium integrifolium
Aster ericoides	Lactuca canadensis	Silphium laciniatum
Aster laevis	Lactuca ludoviciana	Silphium terebinthinaceum
Aster novae-angliae	Lathyrus palustris	Sisyrinchium campestre
Aster oblongifolius	Lathyrus venosus	Smilacina stellata
Aster ptarmicoides	Lespedeza capitata	Solidago altissima
Aster sericeus	Liatris aspera	Solidago gigantea
Baptisia leucantha	Liatris cylindracea	Solidago graminifolia
Baptisia leucophaea	Liatris pycnostachya	Solidago juncea
Bouteloua curtipendula	Lilium michiganense	Solidago missouriensis
Bouteloua hirsuta	Lilium philadelphicum	Solidago nemoralis
Cacalia tuberosa	Linum sulcatum	Solidago rigida
Calamagrostis canadensis	Lithospermum canescens	Solidago speciosa
Ceanothus americanus	Lithospermum croceum	Sorghastrum nutans
Cicuta maculata	Lithospermum incisum	Spartina pectinata
Cirsium discolor	Lobelia spicata	Spiraea alba
Comandra richardsonii	Monarda fistulosa	Sporobolus heterolepis
Convolvulus sepium	Muhlenbergia cuspidata	Stipa spartea
Coreopsis palmata	Muhlenbergia racemosa	Tephrosia virginiana
Cornus femina	Oenothera biennis	Thalictrum dasycarpum
Corylus americana	Oxalis violacea	Tradescantia ohioensis
Desmodium canadense	Oxypholis rigidior	Verbena stricta
Desmodium illinoense	Panicum leibergii	Veronicastrum virginicum
Dodecatheon meadia	Panicum oligosanthos	Vicia americana
Elymus canadensis	Panicum perlongum	Viola pedata
Equisetum arvense	Panicum virgatum	Viola pedatifida
Equisetum kansanum	Petalostemum candidum	Vitis vulpina
Erigeron strigosus	Petalostemum purpureum	Zizia aptera
Eryngium yuccifolium	Phlox pilosa	Zizia aurea
Euphorbia corollata	Physalis heterophylla	

Additional species:

Lupinus *Platanus*
Poa

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 12

<i>Achillea millefolium</i>	<i>Fragaria virginiana</i>	<i>Physalis subglabrata</i>
<i>Ambrosia artemisifolia</i>	<i>Galium boreale</i>	<i>Physalis virginiana</i>
<i>Ambrosia psilostachya</i>	<i>Gentiana andrewsii</i>	<i>Polygala senega</i>
<i>Amorpha canescens</i>	<i>Gentiana puberula</i>	<i>Polytaenia nuttallii</i>
<i>Andropogon gerardi</i>	<i>Geranium maculatum</i>	<i>Potentilla arguta</i>
<i>Andropogon scoparius</i>	<i>Geum triflorum</i>	<i>Potentilla canadensis</i>
<i>Anemone canadensis</i>	<i>Hedeoma hispida</i>	<i>Prenanthes racemosa</i>
<i>Anemone cylindrica</i>	<i>Helianthemum sp.</i>	<i>Psoralea esculenta</i>
<i>Anemone patens</i>	<i>Helianthus grosseserratus</i>	<i>Pycnanthemum virginicum</i>
<i>Antennaria sp.</i>	<i>Helianthus laetiflorus</i>	<i>Pyrus melanocarpa</i>
<i>Apocynum androsaemifolium</i>	<i>Helianthus occidentalis</i>	<i>Quercus macrocarpa</i>
<i>Apocynum cannabinum</i>	<i>Helianthus strumosus</i>	<i>Ratibida pinnata</i>
<i>Arenaria stricta</i>	<i>Heliopsis helianthoides</i>	<i>Rhus glabra</i>
<i>Artemisia caudata</i>	<i>Heuchera richardsonii</i>	<i>Rhus radicans</i>
<i>Asclepias amplexicaulis</i>	<i>Hieracium longipilum</i>	<i>Rosa sp.</i>
<i>Asclepias syriaca</i>	<i>Hypoxis hirsuta</i>	<i>Rudbeckia hirta</i>
<i>Asclepias tuberosa</i>	<i>Iris virginica</i>	<i>Salix humilis</i>
<i>Asclepias verticillata</i>	<i>Koeleria cristata</i>	<i>Saxifraga pennsylvanica</i>
<i>Asclepias viridiflora</i>	<i>Krigia biflora</i>	<i>Scutellaria parvula</i>
<i>Aster azureus</i>	<i>Kuhnia eupatorioides</i>	<i>Silphium integrifolium</i>
<i>Aster ericoides</i>	<i>Lactuca canadensis</i>	<i>Silphium laciniatum</i>
<i>Aster laevis</i>	<i>Lactuca ludoviciana</i>	<i>Silphium terebinthinaceum</i>
<i>Aster novae-angliae</i>	<i>Lathyrus palustris</i>	<i>Sisyrinchium campestre</i>
<i>Aster oblongifolius</i>	<i>Lathyrus venosus</i>	<i>Smilacina stellata</i>
<i>Aster ptarmicoides</i>	<i>Lespedeza capitata</i>	<i>Solidago altissima</i>
<i>Aster sericeus</i>	<i>Liatris aspera</i>	<i>Solidago gigantea</i>
<i>Baptisia leucantha</i>	<i>Liatris cylindracea</i>	<i>Solidago graminifolia</i>
<i>Baptisia leucophaea</i>	<i>Liatris pycnostachya</i>	<i>Solidago juncea</i>
<i>Bouteloua curtipendula</i>	<i>Lilium michiganense</i>	<i>Solidago missouriensis</i>
<i>Bouteloua hirsuta</i>	<i>Lilium philadelphicum</i>	<i>Solidago nemoralis</i>
<i>Cacalia tuberosa</i>	<i>Linum sulcatum</i>	<i>Solidago rigida</i>
<i>Calamagrostis canadensis</i>	<i>Lithospermum canescens</i>	<i>Solidago speciosa</i>
<i>Ceanothus americanus</i>	<i>Lithospermum croceum</i>	<i>Sorghastrum nutans</i>
<i>Cicuta maculata</i>	<i>Lithospermum incisum</i>	<i>Spartina pectinata</i>
<i>Cirsium discolor</i>	<i>Lobelia spicata</i>	<i>Spiraea alba</i>
<i>Comandra richardsoniana</i>	<i>Monarda fistulosa</i>	<i>Sporobolus heterolepis</i>
<i>Convolvulus sepium</i>	<i>Muhlenbergia cuspidata</i>	<i>Stipa spartea</i>
<i>Coreopsis palmata</i>	<i>Muhlenbergia racemosa</i>	<i>Tephrosia virginiana</i>
<i>Cornus femina</i>	<i>Oenothera biennis</i>	<i>Thalictrum dasycarpum</i>
<i>Corylus americana</i>	<i>Oxalis violacea</i>	<i>Tradescantia ohioensis</i>
<i>Desmodium canadense</i>	<i>Oxypolis rigidior</i>	<i>Verbena stricta</i>
<i>Desmodium illinoense</i>	<i>Panicum leibergii</i>	<i>Veronicastrum virginicum</i>
<i>Dodecatheon meadia</i>	<i>Panicum oligosanthos</i>	<i>Vicia americana</i>
<i>Elymus canadensis</i>	<i>Panicum perlongum</i>	<i>Viola pedata</i>
<i>Equisetum arvense</i>	<i>Panicum virgatum</i>	<i>Viola pedatifida</i>
<i>Equisetum kansanum</i>	<i>Petalostemum candidum</i>	<i>Vitis vulpina</i>
<i>Erigeron strigosus</i>	<i>Petalostemum purpureum</i>	<i>Zizia aptera</i>
<i>Eryngium yuccifolium</i>	<i>Phlox pilosa</i>	<i>Zizia aurea</i>
<i>Euphorbia corollata</i>	<i>Physalis heterophylla</i>	

Additional species:

Lupinus

Poa pteridium
Carex penn (P)
Comptonia asp. 1

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 13

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 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:

Carex penn (17)
Lupinus

Pteridium
Anemone
Poa pratensis

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 14

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. *can*
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 *SP.*
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 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:

Polygala polygama

Arnica montana (p)

Poa palea

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 15

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 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. *Can*
 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:

*Sedum sp**Carex penn**P. pendulum*

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 16

<i>Achillea millefolium</i>	<i>Fragaria virginiana</i>	<i>Physalis subglabrata</i>
<i>Ambrosia artemisifolia</i>	<i>Galium boreale</i>	<i>Physalis virginiana</i>
<i>Ambrosia psilostachya</i>	<i>Gentiana andrewsii</i>	<i>Polygala senega</i>
<i>Amorpha canescens</i>	<i>Gentiana puberula</i>	<i>Polytaenia nuttallii</i>
<i>Andropogon gerardi</i>	<i>Geranium maculatum</i>	<i>Potentilla arguta</i>
<i>Andropogon scoparius</i>	<i>Geum triflorum</i>	<i>Potentilla canadensis</i>
<i>Anemone canadensis</i>	<i>Hedeoma hispida</i>	<i>Prenanthes racemosa</i>
<i>Anemone cylindrica</i>	<i>Helianthemum sp. com</i>	<i>Psoralea esculenta</i>
<i>Anemone patens</i>	<i>Helianthus grosseserratus</i>	<i>Pycnanthemum virginicum</i>
<i>Antennaria sp.</i>	<i>Helianthus laetiflorus</i>	<i>Pyrus melanocarpa</i>
<i>Apocynum androsaemifolium</i>	<i>Helianthus occidentalis</i>	<i>Quercus macrocarpa</i>
<i>Apocynum cannabinum</i>	<i>Helianthus strumosus</i>	<i>Ratibida pinnata</i>
<i>Arenaria stricta</i>	<i>Heliopsis helianthoides</i>	<i>Rhus glabra</i>
<i>Artemisia caudata</i>	<i>Heuchera richardsonii</i>	<i>Rhus radicans</i>
<i>Asclepias amplexicaulis</i>	<i>Hieracium longipilum</i>	<i>Rosa sp.</i>
<i>Asclepias syriaca</i>	<i>Hypoxis hirsuta</i>	<i>Rudbeckia hirta</i>
<i>Asclepias tuberosa</i>	<i>Iris virginica</i>	<i>Salix humilis</i>
<i>Asclepias verticillata</i>	<i>Koeleria cristata</i>	<i>Saxifraga pennsylvanica</i>
<i>Asclepias viridiflora</i>	<i>Krigia biflora</i>	<i>Scutellaria parvula</i>
<i>Aster azureus</i>	<i>Kuhnia eupatorioides</i>	<i>Silphium integrifolium</i>
<i>Aster ericoides</i>	<i>Lactuca canadensis</i>	<i>Silphium laciniatum</i>
<i>Aster laevis</i>	<i>Lactuca ludoviciana</i>	<i>Silphium terebinthinaceum</i>
<i>Aster novae-angliae</i>	<i>Lathyrus palustris</i>	<i>Sisyrinchium campestre</i>
<i>Aster oblongifolius</i>	<i>Lathyrus venosus</i>	<i>Smilacina stellata</i>
<i>Aster ptarmicoides</i>	<i>Lespedeza capitata</i>	<i>Solidago altissima</i>
<i>Aster sericeus</i>	<i>Liatris aspera</i>	<i>Solidago gigantea</i>
<i>Baptisia leucantha</i>	<i>Liatris cylindracea</i>	<i>Solidago graminifolia</i>
<i>Baptisia leucophaea</i>	<i>Liatris pycnostachya</i>	<i>Solidago juncea</i>
<i>Bouteloua curtipendula</i>	<i>Lilium michiganense</i>	<i>Solidago missouriensis</i>
<i>Bouteloua hirsuta</i>	<i>Lilium philadelphicum</i>	<i>Solidago nemoralis</i>
<i>Cacalia tuberosa</i>	<i>Linum sulcatum</i>	<i>Solidago rigida</i>
<i>Calamagrostis canadensis</i>	<i>Lithospermum canescens</i>	<i>Solidago speciosa</i>
<i>Ceanothus americanus</i>	<i>Lithospermum croceum</i>	<i>Sorghastrum nutans</i>
<i>Cicuta maculata</i>	<i>Lithospermum incisum</i>	<i>Spartina pectinata</i>
<i>Cirsium discolor</i>	<i>Lobelia spicata</i>	<i>Spiraea alba</i>
<i>Comandra richardsoniana</i>	<i>Monarda fistulosa</i>	<i>Sporobolus heterolepis</i>
<i>Convolvulus sepium</i>	<i>Muhlenbergia cuspidata</i>	<i>Stipa spartea</i>
<i>Coreopsis palmata</i>	<i>Muhlenbergia racemosa</i>	<i>Tephrosia virginiana</i>
<i>Cornus femina</i>	<i>Oenothera biennis</i>	<i>Thalictrum dasycarpum</i>
<i>Corylus americana</i>	<i>Oxalis violacea</i>	<i>Tradescantia ohioensis</i>
<i>Desmodium canadense</i>	<i>Oxypolis rigidior</i>	<i>Verbena stricta</i>
<i>Desmodium illinoense</i>	<i>Panicum leibergii</i>	<i>Veronicastrum virginicum</i>
<i>Dodecatheon meadia</i>	<i>Panicum oligosanthos</i>	<i>Vicia americana</i>
<i>Elymus canadensis</i>	<i>Panicum perlongum</i>	<i>Viola pedata</i>
<i>Equisetum arvense</i>	<i>Panicum virgatum</i>	<i>Viola pedatifida</i>
<i>Equisetum kansanum</i>	<i>Petalostemum candidum</i>	<i>Vitis vulpina</i>
<i>Erigeron strigosus</i>	<i>Petalostemum purpureum</i>	<i>Zizia aptera</i>
<i>Eryngium yuccifolium</i>	<i>Phlox pilosa</i>	<i>Zizia aurea</i>
<i>Euphorbia corollata</i>	<i>Physalis heterophylla</i>	

Additional species:

Asclepias amplexicaulis (P)
Poa pratensis Carex pennsylvanica Nigospora

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 17

Achillea millefolium	Fragaria virginiana	Physalis subglabrata
Ambrosia artemisifolia	Galium boreale	Physalis virginiana
Ambrosia psilostachya	Gentiana andrewsii	Polygala senega
Amorpha canescens	Gentiana puberula	Polytaenia nuttallii
Andropogon gerardi	Geranium maculatum	Potentilla arguta
Andropogon scoparius	Geum triflorum	Potentilla canadensis
Anemone canadensis	Hedeoma hispida	Prenanthes racemosa
Anemone cylindrica	Helianthemum sp. <i>can</i>	Psoralea esculenta
Anemone patens	Helianthus grosseserratus	Pycnanthemum virginicum
Antennaria sp.	Helianthus laetiflorus	Pyrus melanocarpa
Apocynum androsaemifolium	Helianthus occidentalis	Quercus macrocarpa
Apocynum cannabinum	Helianthus strumosus	Ratibida pinnata
Arenaria stricta	Heliopsis helianthoides	Rhus glabra
Artemisia caudata	Heuchera richardsonii	Rhus radicans
Asclepias amplexicaulis	Hieracium longipilum	Rosa sp.
Asclepias syriaca	Hypoxis hirsuta	Rudbeckia hirta
Asclepias tuberosa	Iris virginica	Salix humilis
Asclepias verticillata	Koeleria cristata	Saxifraga pensylvanica
Asclepias viridiflora	Krigia biflora	Scutellaria parvula
Aster azureus	Kuhnia eupatorioides	Silphium integrifolium
Aster ericoides	Lactuca canadensis	Silphium laciniatum
Aster laevis	Lactuca ludoviciana	Silphium terebinthinaceum
Aster novae-angliae	Lathyrus palustris	Sisyrinchium campestre
Aster oblongifolius	Lathyrus venosus	Smilacina stellata
Aster ptarmicoides	Lespedeza capitata	Solidago altissima
Aster sericeus	Liatris aspera	Solidago gigantea
Baptisia leucantha	Liatris cylindracea	Solidago graminifolia
Baptisia leucophaea	Liatris pycnostachya	Solidago juncea
Bouteloua curtipendula	Lilium michiganense	Solidago missouriensis
Bouteloua hirsuta	Lilium philadelphicum	Solidago nemoralis
Cacalia tuberosa	Linum sulcatum	Solidago rigida
Calamagrostis canadensis	Lithospermum canescens	Solidago speciosa
Ceanothus americanus	Lithospermum croceum	Sorghastrum nutans
Cicuta maculata	Lithospermum incisum	Spartina pectinata
Cirsium discolor	Lobelia spicata	Spiraea alba
Comandra richardsoniana	Monarda fistulosa	Sporobolus heterolepis
Convolvulus sepium	Muhlenbergia cuspidata	Stipa spartea
Coreopsis palmata	Muhlenbergia racemosa	Tephrosia virginiana
Cornus femina	Oenothera biennis	Thalictrum dasycarpum
Corylus americana	Oxalis violacea	Tradescantia ohioensis
Desmodium canadense	Oxypolis rigidior	Verbena stricta
Desmodium illinoense	Panicum leibergii	Veronicastrum virginicum
Dodecatheon meadia	Panicum oligosanthos	Vicia americana
Elymus canadensis	Panicum perlongum	Viola pedata
Equisetum arvense	Panicum virgatum	Viola pedatifida
Equisetum kansanum	Petalostemum candidum	Vitis vulpina
Erigeron strigosus	Petalostemum purpureum	Zizia aptera
Eryngium yuccifolium	Phlox pilosa	Zizia aurea
Euphorbia corollata	Physalis heterophylla	

Additional species:

Analis lyrata
Tephrosia~~*Polygala polypogon*~~
Oenothera biennis

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 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 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 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:

Prunus pennsylvanica (P) and in quad
Carex pennsylvanica

Talium myosotidis

Pteridium

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 19

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
Veronicastrum virginicum
Vicia americana
Viola pedata
Viola pedatifida
Vitis vulpina
Zizia aptera
Zizia aurea

Additional species:

Amelanchier
Carex penn

Vaccinium angustifolium
Shaded!
Shaded!

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1144
Quadrat No. 20

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:

Shaded!
Barboursia
Carex penn