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Site 1143: Adams County, Township 14N, Range 7E, Section 7. 1951-07-02

[s.l.]: [s.n.], 1951-07-02

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STAND RECORD

FORESTS

Stand No. 1143
No 1 soil

Name: Adams
County: Adams
Date: July 2, 1951
Size of Stand: 5 acres
Forest Type: Black oak open
Topography: Flat
Locality: T: 14N R: 7E Sec: 2 NW
Observers: Anderson, Bray, Brown
Size of Area Sampled: 5 acres
Soil Type: sand
Slope: none Directions

Condition of Stand: Excellent, pastured ^{many} years ago. Very old type of barbed wire. No cutting or grazing within 20 years at least fence down and unrepaired

30, 28, 27

pictures 1, 2, 3

Open Grown Trees:

% Canopy: 55

Stumps:

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

Soil Data:

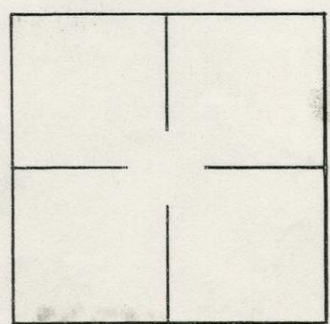
	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.
A ₀									
A ₁									
A ₂									
B									

DEPTH	CHARACTERISTICS (Color, Texture, Structure, etc.)
A ₀	1/4 - 1/2 in grass, sticks a prairie prairie
A ₁	2-6 in 2 in Black sand
A ₂	
B	brown sand

Parent Material:

in some places leached, mostly without

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										
Prunus jack F. nigra										
Juglanscin										
J. nigra										
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba	24	4	1	1						
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	170	80	90 65	1 110	35 40	50 120	32 45	40 12	30 20	32 45
Tilia amer										
Ulmus amer										
Ulmus fulva										
Prunus longi										
Distance	13	25 1/2	16	23 1/2	8 1/2	21	10 1/2	7 1/2	14 1/2	13

x

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				1						1
Quercus alba		11	24	7	16	1			11	35
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	71 70	26 50	40	16	85 55	45 65	55 70	160 28	45 58	33
Tilia amer										
Ulmus amer										
Ulmus fulva										
Prunus pen										
Distance	9 1/2	19	14	9 1/2	18 1/2	22	18	24	33 1/2	23

Stand # 1143, Bray, July, 1951, Adom Co. T: 14N, R7E, Sec 7NW. Block Oak Opening, 20pts.

Tree	No. : No. :	No. Pts. : No. :	F. % : D. % :	F. % : F. % :	D. % : Dom. % :	Seed : Seed :	Tr. : Tr. :	Trees	I.I.	C.I.
	Pts. : Tr. :	Dom. : Sap. :	Sap. : Sap. :	Sap. : Sap. :	Seed : Seed :	Tr. : Tr. :	Trees	I.I.	C.I.	
Acerrubrum										
A. saccharum										
Carya cord.										
C. ovata										
Celtis occiden.										
Fagus grand.										
Fraxinus amer.										
F. lanceolata										
F. pennsylvani										
Juglans cinere										
J. nigra										
Ostrya virgin.										
Populus grand.										
P. tremuloides										
Prunus serotin										
Quercus alba	4 4	99				16.6	10.5	5.2		
Q. ellipsoidalis										
Q. macrocarpa										
Q. rubra										
Q. velutina	20 35	1773				83.4	89.5	94.8		
Tilia american										
Ulmus american										
U. rubra										
	24 38	1872				100.0	100.0	100.0		

Ave. Dist.
 Btw'n Trees:
 316 / 19 = 16.63
 x .80
 13.30

Ave. BA
 (Total
 BA ÷ 80)
 49.3

No. Trees
 Per acre
 246.1

Dom. per
 acre

12, 123.6

19 pts. used in
 analysis of data.

A. Auclair, '65

Presence or Frequency
(Common species only)

PRAIRIES

Stand No.
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
 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:

Chimaphila

Corylus

Red cedar

Campanula

Blackberry

Polygonatum commutatum
biflorum

Pyrrola elliptica

Aschlophyllos

Physalis
glabra

Presence List
(Uncommon species)

PRAIRIES

Stand No.

Locality:

County:

Sec:

T:

R:

Date:

Observers:

Size of Stand:

Size of Area Sampled:

Condition of Stand:

Type:

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

Additional species:

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 1

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 <i>SIP</i>
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 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:

Corn *Blackberry*

Tall sedge

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 2

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

Dandelion

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 3

- | | | |
|------------------------------------|---------------------------|---------------------------|
| 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 pensylvanica |
| Asclepias viridiflora | Krigia biflora | Scutellaria parvula |
| Aster azureus | Kuhnia eupatorioides | Silphium integrifolium |
| Aster ericoides | Lactuca canadensis | Silphium laciniatum |
| Aster laevis sp. | Lactuca ludoviciana | Silphium terebinthinaceum |
| Aster novae-angliae | Lathyrus palustris | Sisyrinchium campestre |
| Aster oblongifolius <i>shantii</i> | 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:

Blackberry

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 4

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 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 richardsiana	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:

Tall sedge

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 5

Achillea millefolium
 Ambrosia artemisifolia
 Ambrosia psilostachya
Amerpha 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~~ umbellata
 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 racemosa
 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

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 6

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 pensylvanica
Asclepias viridiflora	Krigia biflora	Scutellaria parvula
Aster azureus	Kuhnia eupatorioides	Silphium integrifolium
Aster ericoides	Lactuca canadensis	Silphium laciniatum
Aster laevis <i>shortii</i>	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:

Poa pratensis

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 7

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 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:

Blackberry *Rosa pratincola*

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
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 *shortii*
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:

Poa pratensis

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 9

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 ^{sp}
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:

Blue grass

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 10

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 richardsiana	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:

Tridentalis borealis (P)
in quad

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 11

Achillea millefolium	<input checked="" type="checkbox"/> 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
<input checked="" type="checkbox"/> Apocynum androsaemifolium	Helianthus occidentalis	Quercus macrocarpa
Apocynum cannabinum	<input checked="" type="checkbox"/> 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	<input checked="" type="checkbox"/> 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
<input checked="" type="checkbox"/> Coreopsis palmata	Muhlenbergia racemosa	Tephrosia virginiana
<input checked="" type="checkbox"/> 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:

Blue grass

T. mentalis

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 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
 Sisyrrinchium campestre
 ✓ Smilacina stellata *racemosa*
 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:

Blue grass *T. mentalis*

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 13

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 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:

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 14

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 <i>racemosa</i>
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 richardsiana	Monarda fistulosa	Sporobolus heterolepis
Convolvulus sepium	Muhlenbergia cuspidata	Stipa spartea
Coreopsis palmata	Muhlenbergia racemosa	Tephrosia virginiana
Coreopsis palmata	Oenothera biennis	Thalictrum dasycarpum
Cornus femina	Oxalis violacea	Tradescantia ohioensis
Corylus americana	Oxypolis rigidior	Verbena stricta
Desmodium canadense	Panicum leibergii	Veronicastrum virginicum
Desmodium illinoense	Panicum oligosanthos	Vicia americana
Dodecatheon meadia	Panicum perlongum	Viola pedata
Elymus canadensis	Panicum virgatum	Viola pedatifida
Equisetum arvense	Petalostemum candidum	Vitis vulpina (P)
Equisetum kansanum	Petalostemum purpureum	Zizia aptera
Erigeron strigosus	Phlox pilosa	Zizia aurea
Eryngium yuccifolium	Physalis heterophylla	
Euphorbia corollata		

Additional species:

*Carex penn**Chamaelirium**Polygonatum*

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
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
 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 *spicata*
 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
 Sisyrrinchium campestre
 Smilacina stellata *racemosa*
 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:

*Chamaenerion**Carex*
Rhynchos cath.
Polygonatum com.

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 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
 Sisyrrinchium campestre
 Smilacina stellata race
 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:

~~Polygonatum com~~

Black

Salix sp
Blue grass

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
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.	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 <i>sp</i>
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 <i>shortii</i>	Lactuca ludoviciana	Silphium terebinthinaceum
Aster novae-angliae	Lathyrus palustris	Sisyrinchium campestre
Aster oblongifolius	Lathyrus venosus	Smilacina stellata <i>racemosa</i>
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 richardsiana	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:

P. agrostoides

Campanula rotundifolia
Blue
Black

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
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 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:

Poa pratensis

Polygonatum

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
Quadrat No. 19

Achillea millefolium	<input checked="" type="checkbox"/> 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
<input checked="" type="checkbox"/> Apocynum androsaemifolium	Helianthus occidentalis	Quercus macrocarpa
Apocynum cannabinum	<input checked="" type="checkbox"/> 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 <i>racemosa</i>
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
<input checked="" type="checkbox"/> Comandra richardsiana	Monarda fistulosa	Sporobolus heterolepis
Convolvulus sepium	Muhlenbergia cuspidata	Stipa spartea
Coreopsis palmata	Muhlenbergia racemosa	Tephrosia virginiana
Cornus femina	Oenothera biennis	Thalictrum dasycarpum
<input checked="" type="checkbox"/> 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
<input checked="" type="checkbox"/> Euphorbia corollata	Physalis heterophylla	

Additional species:

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1143
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 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:

Poa

Black

