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Site 1145: Nettle Moraine Oak-Cedar, Waukesha County. 1951-06-02

[s.l.]: [s.n.], 1951-06-02

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STAND RECORD

FORESTS

Stand No. 1145

Name: Kettle Moraine Oak-Cedar

County: Waukesha

Date: June 2, 1951

Size of Stand: 7

Forest Type: Oak Cedar

Topography: Kettle Moraine

Locality:

T:

R:

Sec:

Observers: Curtis Arne Lottum Brown, et

Gale Gilbert
Terrell Gray
Tresner

Size of Area Sampled: 10 acres

Soil Type:

Slope: steep Directions All

Condition of Stand: Open crown oaks & cedars - Recently undisturbed - no evidence of grazing. ~~By~~ cessation of burning has permitted a great increase in the understory

Open Grown Trees:

% Canopy:

Stumps:

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

Soil Data:

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

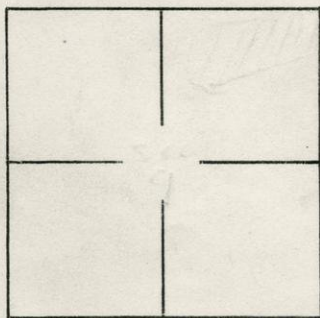
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	-----
A ₁	-----
A ₂	-----
B	-----

Parent Material:

Map:



1145

[illegible]

55.0	22.0
105.6	35.2
137.7	55.1
183.0	52.3
66.6	33.3
22.7	22.7

this woods when
sampled was run along
South and back along
North facing slopes
- 442 Separate

$$\begin{array}{r} 50294.42 \\ \hline 35.2 \end{array}$$

Separate

Kettle Moraine

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 1145

STATION NO.	1	2	3	4	5	6	7	8	9	10
Abies balsam										
Acer rubrum										
A. sacchar.										
Q. velutina A. spicatum	280	160	260							
Q. alba Betula lut.			3	12 12	3 160 180					
B. papyrif										
Carpinus car										
Carya ovata Fagus gran						12	1			
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand						25	2			
P. trem		3					1	4		
Prunus pen. Serritina		1	1							
Quercus ell		120	270				30 45			
Q. rubra							50			
Tilia amer										
Prunus nig Tsuga can				1						
Thuja occ										
Ulmus amer										
U. fulva										
Q macrocarpa	90	90			4			30 45	4	
Distance	41	114	31	18	24.5	25.5	20	39		

Amelanchier sp
Viburnum opulus

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 1145

STATION NO.	1	2	3	4	5	6	7	8	9	TO
Abies balsam										
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lnt.										
Q. velutina B. papyrif							16 320	3 2	230	1
Carpinus car										
Carya ovata			1		1					
Fagus gran	130									
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa P. resinosa				25	1				2	
P. Strobus										
Populus bals										
P. grand		13	2	1						
P. trem										
Prunus pen. Serotina			1	23	2	2	2	2	1	
Quercus ell	2			1						
Q. rubra (borealis)	16	1	22	2	120 130				370	
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Q. macrocarpa	1						1	170 120		200 110
Q. alba		150	1	120	1	35	2			
Distance	56.5	17	21.5	30.2	13	21	57.5	36	47	38.5

0 Greek }
23
Dionysia cuneata
Dalea verticillata
Gutierrezia

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 1145

STATION NO.	21	22	23	24	25	26	27	28	29	310
Carya ovata Abies balsam	73	200							65	
Acer rubrum										
A. sacchar.										
A. spicatum										
Betula lut.										
B. papyrif										
Carpinus car										
Fagus gran										
Ostrya virg										
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell	1	2	3	4		12	25			270
Q. rubra				340	35	30	50	115		
Tilia amer										
Tsuga can										
Thuja occ										
Ulmus amer										
U. fulva										
Juniperus vir.	35	12	15 35	25	28					
Prunus ser.	X						1	4	75	4
Quercus mac		1	2			55	60		110	170
Distance	73	60.5	61.5	50	89	72.5	17	40	19	19

TREE DATA SUMMARY SHEET

1145

Northern Pine-Hardwoods

31 32 33 34 35 36

Station Number:

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL.	F. % TRS.	% SUM F. TR.	D. % TRS.	DOM% TRS.	DFD INDEX	C. I.
			-80	-320	321										
Crataegus															
Abies bals	2														
Acer rubru															
Juniperus nana						45									
A. sacchar															
A. spicatu															
Betula lut															
B. papyrif															
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau															
Pinus Bank															
P. resinosa															
P. Strobus															
Populus ba															
P. grandid															
P. tremulo	132		134												
Prunus pen															
Quercus el	390	390			122										
Q. rubra	280														
Tilia amer															
Tsuga cana															
Thuja occi															
Ulmus amer															
U. fulva															
Q. alba	220														
Prunus ser		3	T												
Q. macro			T	12	100	2502									
	65	265	265	26	19	265									

AVE. DIST. BTW'N TREES:

AVE B. A.:

TREES/ACRE:

DOM./ACRE:

Polonia pseudocaca

Prairie Relic Study. III.

Calli. circagis

Section Township Range County

Date Observer

Habitat Description

Amphicarpa frutescens

As. latifolia

Campanula rotundifolia

Achillea millefolium

Ambrosia artemisiifolia

Amorpha canescens

Andropogon furcatus

Andropogon scoparius

Anemone cylindrica

Antennaria sp.

Apocynum androsaemifolium

Apocynum cannabinum

Artemisia caudata

Asclepias syriaca

Asclepias verticillata

Aster azureus

Aster ericoides

Aster laevis

Aster novae-angliae

Aster sericeus

Baptisia leucantha

Baptisia leucophylla

Bouteloua curtipendula

Calamagrostis canadensis

Ceanothus americanus

Cirsium discolor

Comandra umbellata

Convolvulus sepium

Coreopsis palmata

Corylus americana

Desmodium canadense

Desmodium illinoense

Dodecatheon meadia

Elymus canadensis

Equisetum laevigatum

Erigeron ramosus

Pitchellia

Aster sagittalis

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Smilacina racemosa

Oxalis violacea

Betula va.

Eryngium yuccifolium

Euphorbia corollata

Fragaria virginiana

Galium boreale

Gentiana andrewsii

Gentiana puberula

Geranium maculatum

Geum triflorum

Helianthemum sp.

Helianthus grosse.

Helianthus occidentalis

Helianthus rigidus

Heuchera richardsonii

Hypoxis hirsuta

Koeleria cristata

Kunzia eupatorioides

Lactuca canadensis

Lactuca ludoviciana

Lathyrus venosus

Lespedeza capitata

Liatris aspera

Liatris cylindracea

Liatris pycnostachya

Lithospermum angustifolium

Lithospermum canescens

Lobelia spicata

Monarda fistulosa

Oenothera biennis

Oxybaphus rigidior

Panicum leibergii

Panicum scribneri

Panicum virgatum

Petalostemum canadense

Cateba

Hepatica

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pandanus

Pharus cuneata

Rumex crispus

Rumex crispus

Rumex crispus

Petalostemum purpureum

Phlox pilosa

Physalis heterophylla

Physalis virginiana

Potentilla arguta

Potentilla canadensis

Pycnanthemum virginicum

Quercus macrocarpa

Ratibida pinnata

Rhus glabra

Rosa sp.

Rudbeckia hirta

Silphium integrifolium

Silphium laciniatum

Silphium terrobinthifolium

Sisyrinchium sp.

Smilacina stellata

Solidago graminifolia

Solidago missouriensis

Solidago nemoralis

Solidago rigida

Solidago speciosa

Sorghastrum nutans

Spartina pectinata

Spiraea alba

Sporobolus heterolepis

Stipa spartea

Thalictrum dasycarpum

Tradescantia virginiana

Veronicastrum virginicum

Viola pedata

Viola petatioides

Vitis vulpina

Zizia aurea

Agrostis canadensis

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Rumex crispus

Additional Species

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Panicum prairie

Anemone patens

Lamium arvense

Panicum va.

Bessia bullifera

Cornus foeniculacea

Lactuca spica

Polygonum canadense

Polygonum canadense

Polygonum canadense

Polygonum canadense

Polygonum canadense

Polygonum canadense

Polygonum canadense

Polygonum canadense

Pop. trem.

Rhus glabra

Zygadenus elia.

Sis. l. x. herbac.

Scirp. canadensis

Super. canadensis

Populus grandifolia

Populus grandifolia

Populus grandifolia

Populus grandifolia

Populus grandifolia

Populus grandifolia

Populus grandifolia

Populus grandifolia

Lactuca stylis

Taxodium

Amphicarpa frutescens

Quercus rubra

Kettle Moraine

Viola canadensis

Viola canadensis

Viola canadensis

Viola canadensis

Viola canadensis

Viola canadensis

Viola canadensis

Viola canadensis

Viola canadensis

Quercus alba
Quercus alba
Quercus alba
Quercus alba
Quercus alba
Quercus alba
Quercus alba
Quercus alba
Quercus alba
Quercus alba

Opuntia

Prairie Relic Study. III.

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>	<u>Quadrat</u>
<u>Date</u>	<u>Observer</u>				
<u>Habitat</u>	<u>Description</u>				
.....					
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.			
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa			
Amorpha canescens	Fragaria virginiana	Physalis heteroph.			
Andropogon furcatus	Galium boreale	Physalis virginiana			
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta			
Anemone cylindrica	Gentiana puberula	Potentilla canad.			
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.			
Apocynum androsaenif.	Geum triflorum	Quercus macrocarpa			
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata			
Artemisia caudata	Helianthus grosse.	Rhus glabra			
Asclepias syriaca	Helianthus occid.	Rosa sp.			
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta			
Aster azureus	Heuchera richard.	Silphium integrif.			
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.			
Aster laevis	Koeleria cristata	Silphium terebinth.			
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.			
Aster sericeus	Lactuca canadensis	Smilacina stellata			
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia			
Baptisia leucophaca	Lathyrus venosus	Solidago missouriensis			
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis			
Calamagrostis canad.	Liatris aspera	Solidago rigida			
Ceanothus americanus	Liatris cylindracea	Solidago speciosa			
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutens			
Comandra umbellata	Lithospermum angust.	Spartina pectinata			
Convolvulus sepium	Lithospermum canes.	Spiraea alba			
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis			
Corylus americana	Monarda fistulosa	Stipa spartea			
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum			
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis			
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.			
Elymus canadensis	Panicum scribner.	Viola pedata			
Equisetum laevigatum	Panicum virgatum	Viola petatifida			
Erigeron ramosus	Petalostemum can.	Vitis vulpina			
	Poa prat	Zizia aurea			

Ranunculus fasciculatus

Additional Species

Viburnum affine
 Veronica arvensis
 Oxalis violacea
 Botrychium virgin

Section	Township	Range	County	Place	Quadrat
Date	Observer				
Habitat	Description				

Achillea millefolium	Eryngium yuccif.	Petalostemum pur.
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa
Amorpha canescens	Fragaria virginiana	Physalis heteroph.
Andropogon furcatus	Galium boreale	Physalis virginiana
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta
Anemone cylindrica	Gentiana puberula	Potentilla canad.
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.
Apocynum androsaenif.	Geum triflorum	Quercus macrocarpa
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata
Artemisia caudata	Helianthus grosse.	Rhus glabra
Asclepias syriaca	Helianthus occid.	Rosa sp.
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta
Aster azureus	Heuchera richard.	Silphium integrif.
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.
Aster laevis	Koeleria cristata	Silphium terobinth.
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.
Aster sericeus	Lactuca canadensis	Smilacina stellata
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia
Baptisia leucophaca	Lathyrus venosus	Solidago missouriensis
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis
Calamagrostis canad.	Liatris aspera	Solidago rigida
Ceanothus americanus	Liatris cylindracea	Solidago speciosa
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans
Comandra umbellata	Lithospermum an. ust.	Spartina pectinata
Convolvulus sepium	Lithospermum canes.	Spiraea alba
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis
Corylus americana	Monarda fistulosa	Stipa spartea
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.
Elymus canadensis	Panicum scribner.	Viola pedata
Equisetum laevigatum	Panicum virgatum	Viola petatifida
Erigeron ramosus	Petalostemum can.	Vitis vulpina
		Zizia aurea

Quercus alba
Carya ovata

Additional Species

Prunus
Amphicarpa
Hepatica americana
Taraxacum
Poa pratensis
Vitis vulpina
Sambucus virginiana

Prairie Relic Study. III.

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>	<u>Quadrat 3</u>
<u>Date</u>	<u>Observer</u>				
<u>Habitat Description</u>					
.....					
Achillea millefolium		Eryngium yuccif.		Petalostemum pur.	
Ambrosia artemisiif.		Euphorbia corollata		Phlox pilosa	
Amorpha canescens		Fragaria virginiana		Physalis heteroph.	
Andropogon furcatus		Galium boreale		Physalis virginiana	
Andropogon scoparius		Gentiana andrewsii		Potentilla arguta	
Anemone cylindrica		Gentiana puberula		Potentilla canad.	
Antennaria sp.		Geranium maculatum		Pycnanthemum virg.	
Apocynum androsaenif.		Geum triflorum		Quercus macrocarpa	
Apocynum cannabinum		Helianthemum sp.		Ratibida pinnata	
Artemisia caudata		Helianthus grosse.		Rhus glabra	
Asclepias syriaca		Helianthus occid.		Rosa sp.	
Asclepias verticill.		Helianthus rigidus		Rudbeckia hirta	
Aster azureus		Heuchera richard.		Silphium integrif.	
Aster ericoides		Hypoxis hirsuta		Silphium laciniat.	
Aster laevis		Koeleria cristata		Silphium terebinth.	
Aster novae-angliae		Kuhnia eupatorioid.		Sisyrinchium sp.	
Aster sericeus		Lactuca canadensis		Smilacina stellata	
Baptisia leucantha		Lactuca ludoviciana		Solidago graminifolia	
Baptisia leucophaca		Lathyrus venosus		Solidago missouriensis	
Bouteloua curtipend.		Lespedeza capitata		Solidago nemoralis	
Calamagrostis canad.		Liatris aspera		Solidago rigida	
Ceanothus americanus		Liatris cylindracea		Solidago speciosa	
Cirsium discolor		Liatris pycnostachya		Sorghastrum nutens	
Comandra umbellata		Lithospermum an. ust.		Spartina pectinata	
Convolvulus sepium		Lithospermum canes.		Spiraea alba	
Coreopsis palmata		Lobelia spicata		Sporobolus heterolepis	
Corylus americana		Monarda fistulosa		Stipa spartea	
Desmodium canadense		Oenothera biennis		Thalictrum dasycarpum	
Desmodium illinoense		Oxybolis rigidior		Tradescantia ohioensis	
Dodecatheon meadia		Panicum leibergii		Veronicastrum virgin.	
Elymus canadensis		Panicum scribner.		Viola pedata	
Equisetum laevigatum		Panicum virgatum		Viola petatifida	
Erigeron ramosus		Petalostemum can.		Vitis vulpina	
				Zizia aurea	

.....
Tragopogon pratensis

Additional Species

Prunus virginiana
Smilacina rac.
Vicia
Viola sp.
Poa pratensis

Prairie Relic Study. III.

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>	<u>Quadrat</u>
<u>Date</u>	<u>Observer</u>				
<u>Habitat</u>	<u>Description</u>				
.....					
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.			
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa			
Amorpha canescens	Fragaria virginiana	Physalis heteroph.			
Andropogon furcatus	Galium boreale	Physalis virginiana			
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta			
Anemone cylindrica	Gentiana puberula	Potentilla canad.			
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.			
Apocynum androsaemif.	Geum triflorum	Quercus macrocarpa			
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata			
Artemisia caudata	Helianthus grosse.	Rhus glabra			
Asclepias syriaca	Helianthus occid.	Rosa sp.			
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta			
Aster azureus	Heuchera richard.	Silphium integrif.			
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.			
Aster laevis	Koeleria cristata	Silphium terebinth.			
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.			
Aster sericeus	Lactuca canadensis	Smilacina stellata			
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia			
Baptisia leucophaea	Lathyrus venosus	Solidago missouriensis			
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis			
Calamagrostis canad.	Liatris aspera	Solidago rigida			
Ceanothus americanus	Liatris cylindracea	Solidago speciosa			
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans			
Comandra umbellata	Lithospermum angust.	Spartina pectinata			
Convolvulus sepium	Lithospermum canes.	Spiraea alba			
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis			
Corylus americana	Monarda fistulosa	Stipa spartea			
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum			
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis			
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.			
Elymus canadensis	Panicum scribner.	Viola pedata			
Equisetum laevigatum	Panicum virgatum	Viola petatifida			
Erigeron ramosus	Petalostemum can.	Vitis vulpina			
		Zizia aurea			

Crataegus
Rhus glabra

Hepatica americana
Polygonum biflorum

Additional Species

Prunus serotina
Poa compressa
P. pratensis

Prairie Relic Study. III.

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<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaenif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terebinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaca	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans		
Comandra umbellata	Lithospermum angust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribner.	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatifida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
		Zizia aurea		

Additional Species

Poa pratensis
Carya ovata
Prunus pennsylvanica

Prairie Relic Study. III.

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaenif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terebinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaca	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutens		
Comandra umbellata	Lithospermum angust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribner.	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatifida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
		Zizia aurea		

Kuhnia

Additional Species

Ranunculus fascicularis
 Physalis virginiana
 Avena stricta
 Poa pratensis
 Rhus glabra

Prairie Relic Study. III.

7

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaemif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terebinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaca	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans		
Comandra umbellata	Lithospermum an. ust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribneri	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatifida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
		Zizia aurea		

Additional Species

Prunus virginiana
Rhus glabra
~~Smilax~~ *herbacea*
Geranium maculatum
Poa pratensis
Solidago sp.
Populus tremuloides

Prairie Relic Study. III.

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<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaenif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terebinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaea	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutens		
Comandra umbellata	Lithospermum an. ust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribner.	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatifida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
Asar sagittifolius	Rhus radicans	Zizia aurea		
	Lathyrus oere.			
	Bothrychium virg			
.....				
<u>Additional Species</u>				

Prairie Relic Study. III.

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>	
<u>Date</u>	<u>Observer</u>				
<u>Habitat</u>	<u>Description</u>				
.....					
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.			
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa			
Amorpha canescens	Fragaria virginiana	Physalis heteroph.			
Andropogon furcatus	Galium boreale	Physalis virginiana			
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta			
Anemone cylindrica	Gentiana puberula	Potentilla canad.			
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.			
Apocynum androsaemif.	Geum triflorum	Quercus macrocarpa			
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata			
Artemisia caudata	Helianthus grosse.	Rhus glabra			
Asclepias syriaca	Helianthus occid.	Rosa sp.			
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta			
Aster azureus	Heuchera richard.	Silphium integrif.			
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.			
Aster laevis	Koeleria cristata	Silphium terobinth.			
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.			
Aster sericeus	Lactuca canadensis	Smilacina stellata			
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia			
Baptisia leucophaca	Lathyrus venosus	Solidago missouriensis			
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis			
Calamagrostis canad.	Liatris aspera	Solidago rigida			
Ceanothus americanus	Liatris cylindracea	Solidago speciosa			
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans			
Comandra umbellata	Lithospermum anust.	Spartina pectinata			
Convolvulus sepium	Lithospermum canes.	Spiraea alba			
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis			
Corylus americana	Monarda fistulosa	Stipa spartea			
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum			
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis			
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.			
Elymus canadensis	Panicum scribner.	Viola pedata			
Equisetum laevigatum	Panicum virgatum	Viola petatitida			
Erigeron ramosus	Petalostemum can.	Vitis vulpina			
		Zizia aurea			

Additional Species

Cornus racemosa
Smilax echinata
Carya ovata
Poa pratensis

Prairie Relic Study. III.

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<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium		Eryngium yuccif.		Petalostemum pur.
Ambrosia artemisiif.		Euphorbia corollata		Phlox pilosa
Amorpha canescens		Fragaria virginiana		Physalis heteroph.
Andropogon furcatus		Galium boreale		Physalis virginiana
Andropogon scoparius		Gentiana andrewsii		Potentilla arguta
Anemone cylindrica		Gentiana puberula		Potentilla canad.
Antennaria sp.		Geranium maculatum		Pycnanthemum virg.
Apocynum androsaenif.		Geum triflorum		Quercus macrocarpa
Apocynum cannabinum		Helianthemum sp.		Ratibida pinnata
Artemisia caudata		Helianthus grosse.		Rhus glabra
Asclepias syriaca		Helianthus occid.		Rosa sp.
Asclepias verticill.		Helianthus rigidus		Rudbeckia hirta
Aster azureus		Heuchera richard.		Silphium integrif.
Aster ericoides		Hypoxis hirsuta		Silphium laciniat.
Aster laevis		Koeleria cristata		Silphium terobinth.
Aster novae-angliae		Kunzia eupatorioid.		Sisyrinchium sp.
Aster sericeus		Lactuca canadensis		Smilacina stellata
Baptisia leucantha		Lactuca ludoviciana		Solidago graminifolia
Baptisia leucophaca		Lathyrus venosus		Solidago missouriensis
Bouteloua curtipend.		Lespedeza capitata		Solidago nemoralis
Calamagrostis canad.		Liatris aspera		Solidago rigida
Ceanothus americanus		Liatris cylindracea		Solidago speciosa
Cirsium discolor		Liatris pycnostachya		Sorghastrum nutens
Comandra umbellata		Lithospermum angust.		Spartina pectinata
Convolvulus sepium		Lithospermum canes.		Spiraea alba
Coreopsis palmata		Lobelia spicata		Sporobolus heterolepis
Corylus americana		Monarda fistulosa		Stipa spartea
Desmodium canadense		Oenothera biennis		Thalictrum dasycarpum
Desmodium illinoense		Oxybolis rigidior		Tradescantia ohioensis
Dodecatheon meadia		Panicum leibergii		Veronicastrum virgin.
Elymus canadensis		Panicum scribner.		Viola pedata
Equisetum laevigatum		Panicum virgatum		Viola petatifida
Erigeron ramosus		Petalostemum can.		Vitis vulpina
				Zizia aurea

Poa

Asparagus officinale

Additional Species

Prairie Relic Study. III.

(11)

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaenif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terebinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaca	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans		
Comandra umbellata	Lithospermum angust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribner.	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatifida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
		Zizia aurea		
.....				

Additional Species

Tragopogon
Poa prat.
Sweet clover (mel. alb.)
Arabis sp.

Prairie Relic Study. III.

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaenif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terobinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaea	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans		
Comandra umbellata	Lithospermum angust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxypolis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribner.	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatifida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
		Zizia aurea		

Additional Species

Melilot. alba
Poa prat.

? Grass # 1

Prairie Relic Study. III.

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<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaenif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terebinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaea	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans		
Comandra umbellata	Lithospermum angust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxyopsis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribner.	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatifida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
		Zizia aurea		
.....				

Additional Species

Melilotus alba
Poa prat.
Tragopogon
Ranunculus fascicularis

Prairie Relic Study. III.

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			

14

Achillea millefolium	Eryngium yuccif.	Petalostemum pur.
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa
Amorpha canescens	Fragaria virginiana	Physalis heteroph.
Andropogon furcatus	Galium boreale	Physalis virginiana
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta
Anemone cylindrica	Gentiana puberula	Potentilla canad.
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.
Apocynum androsaemif.	Geum triflorum	Quercus macrocarpa
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata
Artemisia caudata	Helianthus grosse.	Rhus glabra
Asclepias syriaca	Helianthus occid.	Rosa sp.
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta
Aster azureus	Heuchera richard.	Silphium integrif.
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.
Aster laevis	Koeleria cristata	Silphium terobinth.
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.
Aster sericeus	Lactuca canadensis	Smilacina stellata
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia
Baptisia leucophaca	Lathyrus venosus	Solidago missouriensis
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis
Calamagrostis canad.	Liatris aspera	Solidago rigida
Ceanothus americanus	Liatris cylindracea	Solidago speciosa
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans
Comandra umbellata	Lithospermum angust.	Spartina pectinata
Convolvulus sepium	Lithospermum canes.	Spiraea alba
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis
Corylus americana	Monarda fistulosa	Stipa spartea
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.
Elymus canadensis	Panicum scribner.	Viola pedata
Equisetum laevigatum	Panicum virgatum	Viola petatitida
Erigeron ramosus	Petalostemum can.	Vitis vulpina
		Zizia aurea

Additional Species

Valis violacea
Poa pratensis
Taraxacum officinale
Ranunculus ficaria
Solidago nemoralis

Prairie Relic Study. III.

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaemif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terobinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaca	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutens		
Comandra umbellata	Lithospermum angust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribner.	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatifida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
		Zizia aurea		
.....				

Additional Species

Helianthus stramosus

Prairie Relic Study. III.

New sheet
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<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaenif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terebinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaea	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans		
Comandra umbellata	Lithospermum angust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribner.	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatifida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
		Zizia aurea		

Additional Species

Rhus radicans
Helianthus stramon.
Poa prat.
Tarax. offic.
Carex pen.

Prairie Relic Study. III.

#6
17

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	✓ Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaemif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terebinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaca	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans		
Comandra umbellata	Lithospermum angust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxyopsis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribner.	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatifida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
		Zizia aurea		
.....				

Additional Species

Gal. comm.
Aster sagit.
Prun. va.

seedling (Helianth?)

Carex pa.
Polygon. hifl.
Lathyrus ochroleuc.
Helianth. strum.

Prairie Relic Study. III.

17
18

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium		Eryngium yuccif.		Petalostemum pur.
Ambrosia artemisiif.		✓ Euphorbia corollata		Phlox pilosa
Amorpha canescens		Fragaria virginiana		Physalis heteroph.
Andropogon furcatus		Galium boreale		Physalis virginiana
Andropogon scoparius		Gentiana andrewsii		Potentilla arguta
Anemone cylindrica		Gentiana puberula		Potentilla canad.
Antennaria sp.		Geranium maculatum		Pycnanthemum virg.
✓ Apocynum androsaenif.		Geum triflorum		Quercus macrocarpa
Apocynum cannabinum		Helianthemum sp.		Ratibida pinnata
Artemisia caudata		Helianthus grosse.		Rhus glabra
Asclepias syriaca		Helianthus occid.		Rosa sp.
Asclepias verticill.		Helianthus rigidus		Rudbeckia hirta
Aster azureus		Heuchera richard.		Silphium integrif.
Aster ericoides		Hypoxis hirsuta		Silphium laciniat.
Aster laevis		Koeleria cristata		Silphium terobinth.
Aster novae-angliae		Kuhnia eupatorioid.		Sisyrinchium sp.
Aster sericeus		Lactuca canadensis		Smilacina stellata
Baptisia leucantha		Lactuca ludoviciana		Solidago graminifolia
Baptisia leucophaea		Lathyrus venosus		Solidago missouriensis
Bouteloua curtipend.		Lespedeza capitata		Solidago nemoralis
Calamagrostis canad.		✓ Liatris aspera		Solidago rigida
Ceanothus americanus		Liatris cylindracea		Solidago speciosa
Cirsium discolor		Liatris pycnostachya		Sorghastrum nutans
✓ Comandra umbellata		Lithospermum angust.		Spartina pectinata
Convolvulus sepium		Lithospermum canes.		Spiraea alba
Coreopsis palmata		Lobelia spicata		Sporobolus heterolepis
Corylus americana		Monarda fistulosa		Stipa spartea
Desmodium canadense		Oenothera biennis		Thalictrum dasycarpum
Desmodium illinoense		Oxybolis rigidior		Tradescantia ohioensis
Dodecatheon meadia		Panicum leibergii		Veronicastrum virgin.
Elymus canadensis		Panicum scribner.		Viola pedata
Equisetum laevigatum		Panicum virgatum		Viola petatifida
Erigeron ramosus		Petalostemum can.		Vitis vulpina
				Zizia aurea

Additional Species

Helianthus stramonifolius
Amphispiza bilineata
Poa pratensis

Prairie Relic Study. III.

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<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>
<u>Date</u>	<u>Observer</u>			
<u>Habitat</u>	<u>Description</u>			
.....				
Achillea millefolium	Eryngium yuccif.	Petalostemum pur.		
Ambrosia artemisiif.	Euphorbia corollata	Phlox pilosa		
Amorpha canescens	Fragaria virginiana	Physalis heteroph.		
Andropogon furcatus	Galium boreale	Physalis virginiana		
Andropogon scoparius	Gentiana andrewsii	Potentilla arguta		
Anemone cylindrica	Gentiana puberula	Potentilla canad.		
Antennaria sp.	Geranium maculatum	Pycnanthemum virg.		
Apocynum androsaemif.	Geum triflorum	Quercus macrocarpa		
Apocynum cannabinum	Helianthemum sp.	Ratibida pinnata		
Artemisia caudata	Helianthus grosse.	Rhus glabra		
Asclepias syriaca	Helianthus occid.	Rosa sp.		
Asclepias verticill.	Helianthus rigidus	Rudbeckia hirta		
Aster azureus	Heuchera richard.	Silphium integrif.		
Aster ericoides	Hypoxis hirsuta	Silphium laciniat.		
Aster laevis	Koeleria cristata	Silphium terobinth.		
Aster novae-angliae	Kuhnia eupatorioid.	Sisyrinchium sp.		
Aster sericeus	Lactuca canadensis	Smilacina stellata		
Baptisia leucantha	Lactuca ludoviciana	Solidago graminifolia		
Baptisia leucophaea	Lathyrus venosus	Solidago missouriensis		
Bouteloua curtipend.	Lespedeza capitata	Solidago nemoralis		
Calamagrostis canad.	Liatris aspera	Solidago rigida		
Ceanothus americanus	Liatris cylindracea	Solidago speciosa		
Cirsium discolor	Liatris pycnostachya	Sorghastrum nutans		
Comandra umbellata	Lithospermum angust.	Spartina pectinata		
Convolvulus sepium	Lithospermum canes.	Spiraea alba		
Coreopsis palmata	Lobelia spicata	Sporobolus heterolepis		
Corylus americana	Monarda fistulosa	Stipa spartea		
Desmodium canadense	Oenothera biennis	Thalictrum dasycarpum		
Desmodium illinoense	Oxybolis rigidior	Tradescantia ohioensis		
Dodecatheon meadia	Panicum leibergii	Veronicastrum virgin.		
Elymus canadensis	Panicum scribner.	Viola pedata		
Equisetum laevigatum	Panicum virgatum	Viola petatitida		
Erigeron ramosus	Petalostemum can.	Vitis vulpina		
		Zizia aurea		
.....				

Additional Species

Rubus sp.
Poa sp.

PRAIRIE SURVEY

TYPE: ☐ ☐

STATION NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	F	P
Acer negundo																					
Acerates floridana																					
A. lanuginosa																					
A. viridiflora																					
Achillea millefoli																					✓
Agoseris cuspidata																					
Agropyron subsecun																					
Allium canadense																					
A. cernuum																					
Ambrosia artemisif																					✓
A. psilostachya																					
Amorpha canescens										✓										5.2	✓
Amphicarpa monoica																					
Andropogon furcatu																					✓
A. scoparius																					✓
Anemone canadensis																					
A. cylindrica	✓																				5.2
A. patens																					✓
A. quinquefolia																					
A. virginiana																					
Antennaria sp.																					✓
Apios tuberosa																					
Apocynum androsaem																	4	✓		5.2	✓
A. cannabinum																					✓
Aquilegia canadens.																					✓
Arabis lyrata																					
Arenaria stricta								✓													5.2
Aronia melanocarpa																					✓
Artemisia caudata																					
A. ludoviciana																					
A. serrata																					
Asclepias amplexic																					
A. incarnata																					
A. ovalifolia																					
A. purpurascens																					
A. sullivantii																					
A. syriaca												✓	✓								10.4
A. tuberosa																					✓
A. verticillata	✓																				5.2
Aster azureus																					
A. ericoides																					
A. laevis																					
A. linariifolius																					
A. novae-angliae																					
A. oblongifolius																					
A. pilosus																					
A. ptarmicoides																					
A. sagittifolius								✓										✓		10.4	✓
A. sericeus																					✓
A. umbellatus																					
Astragalus candens																					
Aureolaria grandifl																					

[illegible]

[illegible]

PRAIRIE SURVEY

TYPE:

5.

STATION NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	F	P
Psoralea esculenta																					
Pteridium latiuscu																					
Pycnanthemum virgi																					
Pyrus ioensis																					
Quercus macrocarpa							✓													52	✓
Ratibida pinnata																					
Rhus glabra				✓		✓	✓					✓	✓							263	✓
R. radicans																					✓
Rosa																					✓
Rudbeckia hirta																					✓
R. subtomentosa																					
Salix sp.																					
Sanicula sp.																					
Saxifraga pennsylv																					
Scleria triglomera																					
Scutellaria parvul																					
Selaginella rupest																					
Senecio aureus																					
Silene antirrhina																					
S. stellata																					
Silphium integrifo																					
S. laciniatum																					
S. perfoliatum																					
S. terebinthinaceu																					✓
Sisyrhincium campe																					✓
Smilacina stellata															✓		✓			10.4	✓
S. racemosa				✓																5.2	✓
Solidago altissima																					
S. graminifolia																					
S. juncea																					
S. missouriensis																					
S. nemoralis																					✓
S. riddellii																					
S. rigida																					
S. serotina																					
S. speciosa																					
Sorghastrum nutans																					✓
Spartina pectinata																					
Specularia perfoli																					
Spiraea alba																					
Spiranthes ochrole																					
Sporobolus cryptan																					
S. heterolepis																					✓
S. vaginiflorus																					
Stachys palustris																					
Steironema ciliatu																					
S. lanceolatum																					
Steironema quadrif																					
Stipa spartea																					
Taenidia integerri																					✓
Tephrosia virginia																					
Thalictrum dasycar																					

STATION NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	F	P
<i>Thaspium aureum</i>																					
<i>Tradescantia ohioe</i>																					✓
<i>Triosteum perfolia</i>																					
<i>Valeriana edulis</i>																					
<i>Verbena hastata</i>																					
<i>V. stricta</i>																					
<i>Vernonia fascicula</i>																					
<i>Veronicastrum virg</i>																					
<i>Vicia americana</i>																					✓
<i>V. angustifolia</i>																					
<i>V. villosa</i>																					
<i>Viola pedata</i>																					✓
<i>V. petatifida</i>																					✓
<i>V. sagittata</i>																					
<i>Vitis vulpina</i>		✓					✓		✓							✓				21	✓
<i>Zigadenus elegans</i>																					✓
<i>Zizia aptera</i>																					
<i>Z. aurea</i>																					
Additional sp:																					
<i>Poa prat.</i>	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓		✓		✓	✓	78.9	✓
<i>Ranunc. fasciculat</i>	✓					✓							✓	✓						21	✓
<i>Quercus alba</i>		✓																		5.2	✓
<i>Carya ovata</i>		✓			✓				✓											15.7	✓
<i>Prunus virginiana</i>		✓	✓				✓													15.7	✓
<i>Amphicarpa brac</i>		✓																✓		10.4	✓
<i>Taraxacum</i>		✓												✓		✓				15.7	✓
<i>Juniperus virgin</i>		✓																		5.2	✓
<i>Tragopogon pratensis</i>			✓								✓		✓							15.7	✓
<i>Crataegus sp</i>				✓																5.2	✓
<i>Hepatica americana</i>				✓																5.2	✓
<i>Polygonatum biflorum</i>				✓														✓		10.4	✓
<i>Prunus serotina</i>				✓	✓															10.4	✓
<i>Poa compressa</i>				✓																5.2	✓
<i>Smilax herbacea</i>							✓													5.2	✓
<i>Populus tremul.</i>							✓													5.2	✓
<i>Rhus radicans</i>								✓								✓				10.4	✓
<i>Botrychium virg.</i>								✓												5.2	✓
<i>Smilax echinoides</i>									✓											5.2	✓
<i>Asparagus officinale</i>										✓										5.2	✓
<i>Melilotus alba</i>											✓	✓	✓							15.7	✓
<i>Oxalis violacea</i>													✓							5.2	✓
<i>Galium concinnum</i>																		✓		5.2	✓
<i>Parthenocissus vit</i>																					✓
<i>Geum canadense</i>																					✓
<i>Viburnum affine</i>																					✓