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Site 1147: Sand Prairie, Dane County, Township 9N, Range 6E, Section 23. 1951-06-30

[s.l.]: [s.n.], 1951-06-30

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presence dome as Prairie Sand prairie

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Prairie #28

Stand No.

1147

Name:

County: Dane

Date: June 30, 1981

Size of Stand: 10 acres

Forest Type: Black oak open

Topography: level

Locality:

T: 9N

R: 6E

Sec: 23

SW of SE

Observers:

Anderson, Christensen, Liebherr, Curtis, Bray, Terrell

Size of Area Sampled: 5 acres

Soil Type: sand

Slope:

Directions

Condition of Stand:

no soil sample

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									

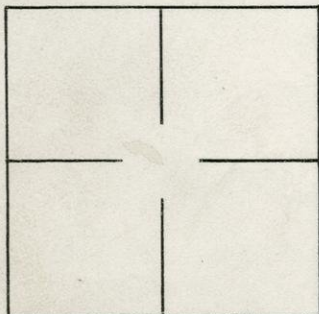
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	
A ₁	
A ₂	
B	

Parent Material:

Map:



[illegible]

[illegible]

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1147

STATION NO.	1	2	3	4	5	6	7	8	9	10	
Acer rubrum											
A. saccharum											
Betula papy.											
Carpinus car											
Carya cord											
C. ovata											
Celtis occ											
Crataegus sp.											
Fagus grand											
Fraxinus am											
F. nigra											
Juglans cin											
J. nigra											
Ostrya vrig											
Populus gran											
P. tremul											
Prunus serot											
Quercus alba			220					26		1	
Q. ellipsoid											
Q. macrocarpa								1			
Q. rubra											
Q. velutina	14 85	65 55	220 4140	435 4190	20 4190	22 4150	30 4190	40 37	110 330	85 280	1 3
Tilia amer											
Ulmus amer											
Ulmus fulva											
Distance	35	31½	28	35	60	56	72	38	74	28½	

Tephrosia

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1147

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin										
J. nigra										
Ostrya vrig										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba										
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	35 240	140 150	123 435	40 55	165 14					
Tilia amer										
Ulmus amer										
Ulmus fulva										
Distance	38	39	33	21	34					

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1147 b

STATION NO.	1	2	3	4	5	6	7	8	9	10	
Acer rubrum											
A. saccharum											
Betula papy.											
Carpinus car											
Carya cord											
C. ovata											
Celtis occ											
Crataegus sp.											
Fagus grand											
Fraxinus am											
F. nigra											
Juglans cin											
J. nigra											
Ostrya vrig											
Populus gran											
P. tremul											
Prunus serot											
Quercus alba											
Q. ellipsoid											
Q. macrocarpa											
Q. rubra											
Q. velutina	118 114	110 310	60 160	95 3	12 170	12 32	24 3	55 50	35 45	80 370	35 45
Tilia amer											
Ulmus amer											
Ulmus fulva											
Distance	44	51	36	37.5	34	21	56	81	39	15	

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

1147b

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin										
J. nigra										
Ostrya vrig										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba										
Q. ellipsoid										
Q. macrocarpa										
Q. rubra										
Q. velutina	30 85	17 45	45 90	50 70	55 55					
Tilia amer										
Ulmus amer										
Ulmus fulva										
Distance	25	51	33	10	45					

2nd crew **b**
TYPE:

TYPE:

STATION NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	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													✓	✓							12.4	✓
Amphicarpa monoica																						
Andropogon furcatu	✓	✓	✓	✓	✓	✓				✓		✓	✓		✓	✓					68.2	✓
A. scoparius										✓		✓	✓		✓						24.9	✓
Anemone canadensis																						
A. cylindrica				✓	✓																12.4	✓
A. patens																						
A. quinquefolia																						
A. virginiana																						
Antennaria sp.	✓												✓								12.4	✓
Apios tuberosa																						
Apocynum androsaem																						
A. cannabinum																						
Aquilegia canadens.																						
Arabis lyrata								✓		✓	✓										18.6	✓
Arenaria stricta																						
Aronia melanocarpa																						
Artemisia caudata										✓	✓										12.4	✓
A. ludoviciana																						
A. serrata																						
Asclepias amplexic																						
A. incarnata																						
A. ovalifolia																						
A. purpurascens																						
A. sullivantii																						
A. syriaca				✓																	6.2	✓
A. tuberosa																						
A. verticillata																						
Aster azureus					✓																6.2	✓
A. ericoides																						
A. laevis																						
A. linariifolius	✓	✓	✓	✓		✓		✓	✓	✓				✓		✓					6.2	✓
A. novae-angliae																						
A. oblongifolius																						
A. pilosus																						
A. ptarmicoides																						
A. sagittifolius				✓									✓		✓						18.6	✓
A. sericeus																						
A. umbellatus																						
Astragalus candens																						
Aureolaria grandifl																						

TYPE:

STATION NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	F	P
Baptisia leucantha																						
B. leucophaea																						
Besseyia bullii																						
Blephilia ciliata																						
Bouteloua curtipen																						
B. hirsuta										✓											62	✓
Brauneria pallida																						
Bromus kalmii																						
Cacalia atriplicif																						
Cacalia suaveolens																						
C. tuberosa																						
Calamagrostis cana																						
Callirhoe triangul																						
Calopogon pulchell																						
Carex Muhlenbergii																						
C. pennsylvanica											✓	✓	✓	✓	✓	✓					372	✓
C. vulpinoidea																						
Castilleja coccine																						
C. sessiliflora																						
Ceanothus american																						
Celastrus scandens																						
Cicuta maculata																						
Cirsium discolor																						
C. hillii																						
C. undulatum																						
Comandra umbellata	✓			✓	✓	✓	✓	✓		✓			✓		✓						55.8	✓
Convolvulus sepium																						
Coreopsis palmata							✓	✓													12.4	✓
Cornus racemosa																						
Corylus americana																						
Crataegus sp.																						
Cypropedium candiu																						
C. pubescens																						
Desmodium canadens																						
D. illinoense																						
Dodecatheon meadia																						
Draba caroliniana																						
Dryopteris thelypt																						
Elymus canadensis																						
E. virginicus																						
Equisetum arvense																						
E. hyemale																						
E. laevigatum																						
Erigeron philadelp																						
E. pulchellus																						
E. ramosus																						
E. yuccifolium																						
Eupatorium altissi																						
Euphorbia corollat					✓		✓	✓		✓				✓	✓	✓					43.4	✓
Fragaria virginian																						
Galium boreale				✓	✓																12.4	✓
G. tinctorium L.																						

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 1147
Quadrat No.

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

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

Physalis subglabrata
~~L~~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
~~L~~Salix humilis
 Saxifraga pensylvanica
~~L~~Scutellaria parvula
 Silphium integrifolium
 Silphium laciniatum
 Silphium terebinthinaceum
~~L~~Sisyrinchium campestre
 Smilacina stellata
 Solidago altissima
 Solidago gigantea
~~L~~Solidago graminifolia
 Solidago juncea
 Solidago missouriensis
~~L~~Solidago nemoralis
 Solidago rigida
~~L~~Solidago speciosa
 Sorghastrum nutans
 Spartina pectinata
 Spiraea alba
 Sporobolus heterolepis
 Stipa spartea
~~L~~Tephrosia virginiana
 Thalictrum dasycarpum
~~L~~Tradescantia ohioensis
 Verbena stricta
 Veronicastrium virginicum
 Vicia americana
~~L~~Viola pedata
 Viola pedatifida *sagittata*
 Vitis vulpina
 Zizia aptera
 Zizia aurea

Additional species:

Poa pratensis
 Witchgrass
 Batrychium multifida
 Geranium grandifolia
 Talinum virginicum

Presence List
(Uncommon species)

PRAIRIES

Stand No. 1147

Locality:

County:

Sec:

T:

R:

Date:

Observers:

Size of Stand:

Size of Area Sampled:

Condition of Stand:

Type:

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

Additional species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147
Quadrat No. 1

Actaea pachypoda	Eupatorium rugosum	Polygonatum canaliculatum
Adiantum pedatum	Festuca obtusa	Polygonatum pubescens
Agrimonia gryposepala	Fragaria virginiana	Potentilla simplex
Allium tricoccum	Galium aparine	Prenanthes alba
Amphicarpa braceata	G. circaezans	Pteridium aquilinum
Anemone quinquefolia	G. concinnum	Pyrola elliptica
A. virginiana	G. lanceolatum	Ranunculus abortivus
Anemonella thalictroides	G. triflorum	R. recurvatus
Antennaria sp.	Geranium maculatum	R. septentrionalis
Aplectrum hiemale	Gerardia grandiflora	Rhus radicans
Apocynum androsaemifolium	Geum canadense	Ribes americanum
Aquilegia canadensis	Goodyera pubescens	R. cynosbati
Aralia nudicaulis	Habenaria bracteata	R. missouriense
A. racemosa	Hackelia virginica	Rosa sp.
Arenaria lateriflora	Hamamelis virginiana	Rubus allegheniensis
Arisaema atrorubens	Helianthus strumosus	R. occidentalis
Asarum canadense	Hepatica acutiloba	R. strigosus
Aster macrophyllus	Heuchera richardsonii	Sambucus canadensis
A. sagittifolius	Hydrastis canadensis	Sanguinaria canadensis
A. shortii	Hydrophyllum virginianum	Sanicula gregaria
Athyrium filix-femina	Hystrix patula	S. marilandica
Botrychium virginianum	Impatiens capensis	Smilacina racemosa
Brachyelytrum erectum	I. pallida	S. stellata
Campanula americana	Isopyrum biternatum	Smilax ecirrhata
Carex albursina	Lactuca biennis	S. herbacea
C. pensylvanica	Laportea canadensis	S. tamnoides
Caulophyllum thalictroides	Lathyrus ochroleucus	Solidago altissima
Celastrus scandens	Lonicera prolifera	S. flexicaulis
Circaea quadrisulcata	Lysimachia quadrifolia	S. ulmifolia
Claytonia virginiana	Maianthemum canadensis	Thalictrum dioicum
Cornus alternifolia	Menispermum canadensis	Tovara virginiana
C. femina	Mitella diphylla	Trillium cernuum
C. rugosa	Monarda fistulosa	T. flexipes
Corylus americana	Orchis spectabilis	T. grandiflorum
Cryptotaenia canadensis	Oryzopsis racemosa	T. recurvatum
Cypripedium pubescens	Osmorhiza clayton.	Triosteum perfoliatum
Cystopteris fragilis	O. longistylis	Uvularia grandiflora
Dentaria laciniata	Osmunda claytoni	Veronicastrum virginicum
Desmodium glutinosum	Panax quinquefolia	Viburnum acerifolium
D. nudiflorum	Panicum latifolium	V. rafinesquianum
Dicentra cucullaria	Parietaria pennsylvanica	Viola cucullata
Dodecatheon meadia	Parthenocissus inserta	V. pubescens
Dryopteris spinulosa	Phlox divaricata	Vitis aestivalis
Erigeron pulchellus	Phryma leptostachya	V. riparia
Erythronium albidum	Podophyllum peltatum	Xanthoxylum americ.
Eupatorium purpureum	Polemonium reptans	Zizia aurea

Additional species:

Scutellaria par *Tradescantia virginiana* *Polygonatum*
Comandra *Coelocarya* *Big blue*
rich *crust*

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147
Quadrat No. 2

Actaea pachypoda	Eupatorium rugosum	Polygonatum canaliculatum
Adiantum pedatum	Festuca obtusa	Polygonatum pubescens
Agrimonia gryposepala	Fragaria virginiana	Potentilla simplex
Allium tricoccum	Galium aparine	Prenanthes alba
Amphicarpa braceata	G. circaezans	Pteridium aquilinum
Anemone quinquefolia	G. concinnum	Pyrola elliptica
A. virginiana	G. lanceolatum	Ranunculus abortivus
Anemonella thalictroides	G. triflorum	R. recurvatus
Antennaria sp.	Geranium maculatum	R. septentrionalis
Aplectrum hiemale	Gerardia grandiflora	Rhus radicans
Apocynum androsaemifolium	Geum canadense	Ribes americanum
Aquilegia canadensis	Goodyera pubescens	R. cynosbati
Aralia nudicaulis	Habenaria bracteata	R. missouriense
A. racemosa	Hackelia virginica	Rosa sp.
Arenaria lateriflora	Hamamelis virginiana	Rubus allegheniensis
Arisaema atrorubens	Helianthus strumosus <i>sinides</i>	R. occidentalis
Asarum canadensis	Hepatica acutiloba <i>occidentalis</i>	R. strigosus
Aster macrophyllus	Heuchera richardsonii	Sambucus canadensis
A. sagittifolius <i>emanifolius</i>	Hydrastis canadensis	Sanguinaria canadensis
A. shortii	Hydrophyllum virginianum	Sanicula gregaria
Athyrium filix-femina	Hystrix patula	S. marilandica
Botrychium virginianum	Impatiens capensis	Smilacina racemosa
Brachyelytrum erectum	I. pallida	S. stellata
Campanula americana	Isopyrum biternatum	Smilax ecirrhata
Carex albursina	Lactuca biennis	S. herbacea
C. pensylvanica	Laportea canadensis	S. tamnoides
Caulophyllum thalictroides	Lathyrus ochroleucus	Solidago altissima
Celastrus scandens	Lonicera prolifera	S. flexicaulis <i>Spenceria</i>
Circaea quadrifolia	Lysimachia quadrifolia	S. ulmifolia
Claytonia virginiana	Maianthemum canadensis	Thalictrum dioicum
Cornus alternifolia	Menispermum canadensis	Tovara virginiana
C. femina	Mitella diphylla	Trillium cernuum
C. rugosa	Monarda fistulosa	T. flexipes
Corylus americana	Orchis spectabilis	T. grandiflorum
Cryptotaenia canadensis	Oryzopsis racemosa	T. recurvatum
Cypripedium pubescens	Osmorhiza clayton.	Triosteum perfoliatum
Cystopteris fragilis	O. longistylis	Uvularia grandiflora
Dentaria laciniata	Osmunda claytoni	Veronicastrum virginicum
Desmodium glutinosum	Panax quinquefolia	Viburnum acerifolium
D. nudiflorum	Panicum latifolium	V. rafinesquianum
Dicentra cucullaria	Parietaria pennsylvanica	Viola cucullata
Dodecatheon meadia	Parthenocissus inserta	V. pubescens
Dryopteris spinulosa	Phlox divaricata	Vitis aestivalis
Erigeron pulchellus	Phryma leptostachya	V. riparia
Erythronium albidum	Podophyllum peltatum	Xanthoxylum americ.
Eupatorium purpureum	Polemonium reptans	Zizia aurea

Additional species:

Big blue stem

Comandra umbell

Tradescantia virginica

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147
Quadrat No. 3

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laporteia canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Witch
grass

Lepedeza cap

Big blue stem

Tepluvosa virgin.

Poa pratensis

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147
Quadrat No. 4

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrifolia
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Aesclepias
Lespedeza cap
Syringa
Big Blue
Comandra
Trades cant
Physalis vir.

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147
Quadrat No. 5

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Andropogon furcatus
Botrychium multifidum
Comandra

Muhlenbergia racemosa

Salix sp

Euphorbia

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147
Quadrat No. 6

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Big Blue Stem

Gerardia grandiflora

Tephrosia va.

Comandra

Lespedeza

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147
Quadrat No. 7

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pennsylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium *precocum*
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Inula aspera *Tradesc*
Comandra *Tephrosia*

Leopoldia
Euphorbia
Coccoloba palm

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147
Quadrat No. 8

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus *lunar*
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrifolia
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus *occid*
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima *removals*
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Arabis lyngbyi
Euphorbia
Tridacena
Coreopsis palm
Lysimachia quad.
Supina
Tephrosia
Comandra

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147b
Quadrat No. 1
9

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laporteia canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Hocleria
Talium
Aster laevis

Tephrosia
hirsuta aspera
Oenothera biennis

Panicum herbaceum

Presence List
(Uncommon species)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147
52

Locality:

County:

Sec:

T:

R: 3

Date:

Observers:

Size of Stand:

Size of Area Sampled:

Condition of Stand:

Type: 10

Acalypha rhomboidea
Agastache scrophul.
Allium canadense
Amorpha canescens
Anaphalis margarit.
Anemone cylindrica
Arabis canadensis
A. laevigata
A. lyrata
A. perstellata
Aralia hispida
Arisaema dracont.
Asclepias ovalif.
A. exaltata
Aster azureus
A. simplex
A. prenanthoides
Athyrium thelypter.
Boehmeria cylindr.
Botrychium multif.
Bromus purgans
Camptosorus rhizop.
Carex convoluta
Ceanothus americ.
Chimaphila umbell.
Cirsium altissim.
Clematis virgin.
Clintonia boreal.
Comandra umbellata
Conopholis americ.
Corallorrhiza mac.
Corydalis semperv.
Cynoglossum offic.
Cystopteris bulbif.
Desmodium cuspidatum
D. canadense
Dicentra canad.
Diervilla lonicera
Dioscorea villosa
Dirca palustris
Elymus villosus
Epifagus virgin.

Erigeron philadel.
Erythronium americ.
Evonymus atropur.
Floerkea proserp.
Fragaria vesca
Galium boreale
Gaultheria procumb.
Gaylussacia baccata
Gentiana quinquef.
Geum virginianum
Hedeoma hispida
Hepatica americana
Heracleum maximum
Hieracium canad.
H. scabrum
Hydrophyllum append.
Hypoxis hirsuta
Ilex verticillata
Juncus tenuis
Juniperus communis
J. virginiana
Krigia biflora
Lathyrus venosus
Lilium philadel.
Liparis liliifolia
Lobelia cardinalis
Lonicera dioica
L. hirsuta
Luzula acuminata
L. multiflora
Lysimachia ciliata
L. hybrida
Milium effusum
Mitchella repens
Monotropa uniflora
Onoclea sensibilis
Oryzopsis asperif.
Osmunda cinnamomea
Oxalis violacea
Panax trifolium
Paronychia canad.
Pedicularis canad.

Physocarpus opul.
Phytolacca americana
Pilea pumila
Polymnia canad.
Polypodium vulgare
Prunella vulgaris
Pteretis pensylvanica
Pyrus coronaria
P. ioensis
Ranunculus fascicul.
R. rhomboideus
Rhus glabra
R. typhina
Rubus hispidus
R. pubescens
Rudbeckia laciniata
Salix sp.
Sambucus pubens
Saxifraga pennsylv.
Scrophularia lan.
S. marilandica
Senecio pauperculus
Silene stellata
Solanum nigrum
Solidago speciosa
Staphylea trifolia
Streptopus roseus
Symplocarpus foet.
Taenidia integerr.
Taxus canadensis
Thalictrum dasycarp.
Thaspium aureum
Tradescantia ohio.
Uvularia sessilif.
Vaccinium myrtilloides
Veronica serpyllif.
Viburnum lentago
V. trilobum
Vicia americana
Viola conspersa
V. incognita
Wulfenia bullii

Additional Species:

Helianthus occident.
Aster laevisif.
Erigeron
Arabis lyrata

Comandra
Panicum
Euphorbia coroll.
Viola pedata
Koeleria

Santillaria parvula
Tephrosia
Antennaria canad.
D. scoparium
D. Gerardii

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147b
Quadrat No. 3

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Artemisia caudata
Lepachium
Basilium hirsuta
Arabis lyrata

Sisyrinchium
Carex pa.
Helianthus scab.
Panicum

~~Triosteum~~ *Solidago sp.*

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147b
Quadrat No. 4

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laporteia canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Tephrosia
Viola pedata
Carex pa.

A. kerandi

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147b
Quadrat No. 5

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Comandra
Onoclea

Helianthus occ.

Aster sagitt.
Lysimachia quadr.
A. scoparius
Carex pa.

Antennaria sp.
A. racemosa
Panicum
Viola pedata

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147b
Quadrat No. 6

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Helianthus occ.
Lupinus
Onorpha
Panicum sp.

hemum sp.
Carpobrotum cor.
Lysim. quad.
Aster divaricat.
A. scoparius

Carex pa.

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1147b
Quadrat No. 7

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

~~Tephrosia~~
Helianthus occ.
Lysimachia quad.

Panicum sp.
Euph. Coroll.
D. Gerardi
Viola pedata
Carex pa.

Aster Sagitt.
Comandra
Helianthemum
Succularia sp. = Gerardia grandif.

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 11476
Quadrat No. 8
16

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
C. femina
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum
G. lanceolatum
G. triflorum
Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton.
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
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T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
Xanthoxylum americ.
Zizia aurea

Additional species:

Aster linariif.
Solidago nemoralis
Scutellaria purpurea
Liatris aspera
Carex pa.

Linum sp.
Helianthemum
Viola pedata
Helianthus occ.

Panicum sp.
A. serotina
A. Scoparium
Euph. corollata