



# LIBRARIES

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## **Site 1183: Lafayette County, Township 3N, Range 3E, Section 10, NE 1/4. 1951-07-30**

[s.l.]: [s.n.], 1951-07-30

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STAND RECORD

FORESTS

Stand No. 1183

Name:

Locality: Calamine

County: La Fayette

T: 3N R: 3E Sec: NE #10

Date: 7/30/51

Observers: Liebherm, Curbis, Hale, Greene

Size of Stand: 30 acres

Size of Area Sampled: 5 acres

Forest Type: Oak

Soil Type:

Topography: Rolling

Slope: L Directions Mostly S

Condition of Stand: Very poor, due to large oaks with areas. No pasturing & no cutting except in oak with spots. Very dense growth of underbrush. Mostly bur oak, except for many slippery chus

Open Grown Trees: Bur Oaks & 1 Slip. Elm!

% 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.N.C.
A <sub>0</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
A <sub>1</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
A <sub>2</sub>	_____	_____	_____	_____	_____	_____	_____	_____	_____
B	_____	_____	_____	_____	_____	_____	_____	_____	_____

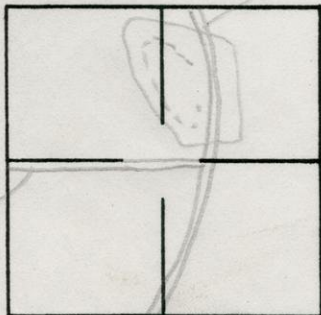
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

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

Parent Material: Loess on Limestone

Map:



20 points  
10 quadrats  
No soil samples  
Peculiar stand!

D.F.P

Tree	:No.   Nc.   Size Class sq. in.			:No.	:F.%	:F.%	:D.%	:Dom.%	:D F D	:Station No. 1183
	:Pts.:	Tr.	:12-80:81-320:321+							
Acerrubrum										Total Length of Transect
A. saccharum										Total Length of Transect
Carya cord.	2	2		54		6.2	5.0	1.4	12.6	107.1
C. ovata										Ave. Dist. Btw'n Trees
Fagus grand.										18.08
Fraxirus amer.										Saplings/unit area
F. pennsylvani										Ave. BA (Total BA = 8040)
Juglans cinere										99.85
J. nigra										No. Trece/acre 155
Ostrya virgin.	1	1		20		3.1	2.5	.51	7.1	63.9
Populus grand.										Dom./acre 15,469
P. tremuloides										
Prunus serotin	3	3		174		9.4	7.5	4.4	21.3	74.6
Quercus alba										
Q. macrocarpa	12	17		1860		37.5	42.5	47.4	127.4	127.4
Q. rubra	1	1		27		3.1	2.5	.69	6.3	37.8
Q. velutina										
Tilia american.										
Ulmus american:										
U. fulva	9	10		1385		28.1	25	35.3	88.4	707.2
Q. ellipsoidalis	1	2		260		3.1	5.0	6.6	14.7	29.4
Acer aquatido	3	4		131		9.4	10.0	3.3	22.7	22.7
	32	40		3915						1170.1

M.G. - 5/5/52

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord					24				1	30
C. ovata										
Celtis occ							1			
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglanscin										
J. nigra										
Ostrya virg								20	1	
Populus gran										
P. tremul										
Prunus serot	2	1	2	3	3	110	1	2	22	2
Quercus alba										
Q. ellipsoid										
Q. macrocarpa	95 35	90 2	90 3	75 1	18	1	34	140 85	1	19
Q. rubra				1			2			
Q. velutina										
Tilia amer										
Ulmus amer										
Ulmus fulva			155 90		100		1		550	2
A. nequide									1	
Distance	30	19	19 1/2	11	19 1/2	12	17	18	17 1/2	28 1/2

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglanscin										
J. nigra										
Ostrya virg										
Populus gran	1						2			
P. tremul										
Prunus serot	2		2	2	3	2	1	1	42	3
Quercus alba										
Q. ellipsoid	190 70									
Q. macrocarpa		40				110	19	265		200 60
Q. rubra							27			
Q. velutina										
Tilia amer										
Ulmus amer										
Ulmus fulva		36	4	17	2	225 <small>open ground</small>	55	12	2	145
A. negundo	1	<del>36</del>	45	28 23	2	35		2	1	
P. americana								1		
Distance	20 1/2	13	14	18 1/2	22 1/2	20	11	19	14	17

③

①

①

③

③

②

①

③

①

④

⑩





Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
Quadrat No.

- U. rubra*
- ✓ Actaea pachypoda
  - ✓ Adiantum pedatum
  - Agrimonia grypsosepala
  - 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. 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. circaeazans
  - ✓ 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:

*U. rubra* *P. velut*  
*C. canad.* *C. ovalis*  
*Q. alba* *P. tremuloides*  
*Celtis* *Q. macrocarpa*  
*Acer negundo*  
*Prunus americana*



Presence List  
(Uncommon species)

## SOUTHERN UPLAND HARDWOODS

Stand No.

Locality:

County:

Sec:

T:

R:

Date:

Observers:

Size of Stand:

Size of Area Sampled:

Condition of Stand:

Type:

Acalypha rhomboidea	Erigeron philadel.	Physocarpus opul.
Agastache scrophul.	Erythronium americ.	Phytolacca americana
Allium canadense	Evonymus atropur.	✓ Pilea pumila
Amorpha canescens	Floerkea prosperp.	Polymnia canad.
Anaphalis margarit.	Fragaria vesca	Polypodium vulgare
✓ Anemone cylindrica	Galium boreale	Prunella vulgaris
Arabis canadensis	Gaultheria procumb.	Pteretis pensylvanica
A. laevigata	Gaylussacia baccata	Pyrus coronaria
A. lyrata	Gentiana quinquef.	P. ioensis
A. perstellata	Geum virginianum	Ranunculus fascicul.
Aralia hispida	Hedeoma hispida	R. rhomboideus
Arisaema dracont.	Hepatica americana	Rhus glabra
Asclepias ovalif.	Heracleum maximum	R. typhina
A. exaltata	Hieracium canad.	Rubus hispidus
Aster azureus	H. scabrum	R. pubescens
A. simplex	Hydrophyllum append.	Rudbeckia laciniata
A. prenanthoides	Hypoxis hirsuta	Salix sp.
Athyrium thelypter.	Ilex verticillata	Sambucus pubens
Boehmeria cylindr.	Juncus tenuis	Saxifraga pennsylv.
Botrychium multif.	Juniperus communis	Scrophularia lan.
✓ Bromus purgans	J. virginiana	✓ S. marilandica
Camptosorus rhizop.	Krigia biflora	Senecio pauperculus
Carex convoluta	Lathyrus venosus	Silene stellata
Ceanothus americ.	Lilium philadel.	Solanum nigrum
Chimaphila umbell.	Liparis liliifolia	Solidago speciosa
✓ Cirsium altissim.	Lobelia cardinalis	Staphylea trifolia
Clematis virgin.	Lonicera dioica	Streptopus roseus
Clintonia boreal.	L. hirsuta	Symplocarpus foet.
Comandra umbellata	Luzula acuminata	Taenidia integerr.
Conopholis americ.	L. multiflora	Taxus canadensis
Corallorrhiza mac.	Lysimachia ciliata	Thalictrum dasycarp.
Corydalis semperv.	L. hybrida	Thaspium aureum
Cynoglossum offic.	Milium effusum	Tradescantia ohio.
Cystopteris bulbif.	Mitchella repens	Uvularia sessilif.
Desmodium cuspidatum	Monotropa uniflora	Vaccinium myrtilloides
✓ D. canadense	Onoclea sensibilis	Veronica serpyllif.
Dicentra canad.	Oryzopsis asperif.	Viburnum lentago
Diervilla lonicera	Osmunda cinnamomea	V. trilobum
Dioscorea villosa	Oxalis violacea	Vicia americana
Dirca palustris	Panax trifolium	Viola conspersa
Elymus villosus	Paronychia canad.	V. incognita
Epifagus virgin.	Pedicularis canad.	Wulfenia bullii

Additional Species:

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
Quadrat No.

Actaea pachypoda	Eupatorium rugosum	Polygonatum canaliculatum
Adiantum pedatum	Festuca obtusa	Polygonatum pubescens
Agrimonia grypsosepala	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 canadensis	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. pennsylvanica	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:

✓ Pilea pumila

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
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	R. occidentalis
Asarum canadensis	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:

Pilea  
Umbra

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
Quadrat No. 3

Actaea pachypoda	Eupatorium rugosum	Polygonatum canaliculatum
Adiantum pedatum	Festuca obtusa	Polygonatum pubescens
Agrimonia grypsosepala	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 canadensis	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	Laporteia 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:

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
Quadrat No. 4

Actaea pachypoda	Eupatorium rugosum	Polygonatum canaliculatum
✓ Adiantum pedatum	Festuca obtusa	Polygonatum pubescens
Agrimonia grypsosepala	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 canadensis	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:

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
Quadrat No. 5

Actaea pachypoda	✓ Eupatorium rugosum	Polygonatum canaliculatum
Adiantum pedatum	Festuca obtusa	Polygonatum pubescens
Agrimonia grypsosepala	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 canadensis	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:

Quercus  
U. rubra

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
Quadrat No. 6

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 canadensis	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:

U rubra

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
Quadrat No. 7

- |                              |                          |                           |
|------------------------------|--------------------------|---------------------------|
| 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 canadensis            | 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:

*Bromus pinnatus*

*Prunella serotina*



Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
Quadrat No. 8

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 canadensis	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:

*Muhlenbergia*

*Pilea pumila*  
*Urtica*

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
Quadrat No. 9

- |                            |                          |                           |
|----------------------------|--------------------------|---------------------------|
| Actaea pachypoda           | ✓ Eupatorium rugosum     | Polygonatum canaliculatum |
| Adiantum pedatum           | Festuca obtusa           | Polygonatum pubescens     |
| Agrimonia grypsosepala     | 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 canadensis          | 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:

C. canadensis

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No.  
Quadrat No. 10

Actaea pachypoda	✓ Eupatorium rugosum	Polygonatum canaliculatum
Adiantum pedatum	Festuca obtusa	Polygonatum pubescens
Agrimonia grypsosepala	✓ 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:

*Cirsium altissimum*

*P. virginiana*









STATION NO.	p.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
SHRUBS & HERBS (cont'd)																						
Lithospermum latifolium																						
Lobelia cardin.																						
L. spicata																						
Lonicera canadense																						
L. dioica																						
L. hirsuta																						
L. prolifera																						
Luzula acuminata																						
L. multiflora																						
Lycopodium lucidulum																						
L. obscurum																						
Lysimachia quadrifolia																						
Maianthemum can.																						
Menispermum can.																						
Miliium effusum																						
Mitchella repens																						
Mitella diphylla																						
Monarda fistul.																						
Monotropa uniflora																						
Morus rubra																						
Muhlenbergia frondosa																						
Oenothera biennis																						
Onoclea sensib.																						
Orchis spectab.																						
Oryzopsis asper.																						
O. racemosa																						
Osmorhiza clayt.																						
O. longistylis																						
Osmunda cinnam.																						
O. claytoniana																						
Oxalis violacea																						
Panax quinquef.																						
P. trifolium																						
Panicum latifol.																						
Parietaria penn.																						
Paronychia cana.																						
Parthenocissus <sup>insecta</sup> vitacea																						
Pedicularis can.																						
Phlox divaricata																						
Phryma leptost.																						
Physocarpus opul.																						
Phytolacca dec.																						
Pilea pumila																						
Poa palustris																						
Podophyllum pel.																						
Polemonium rep.																						
Polygonatum com.																						
P. pubescens																						
Polygonum virg.																						
Polymnia canad.																						
Polypodium virgin.																						

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STATION NO.	p.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SHRUBS & HERBS (Cont'd)																					
<i>Symplocarpus foetidus</i>																					
<i>Taenidia integ.</i>																					
<i>Taxus canadensis</i>																					
<i>Thalictrum dio.</i>																					
<i>Thaspium aureum</i>																					
<i>Tradescantia oh.</i>																					
<i>Trientalis borealis</i>																					
<i>Trillium cernuum</i>																					
<i>T. flexipes</i>																					
<i>T. grandiflorum</i>																					
<i>T. recurvatum</i>																					
<i>Triosteum perf.</i>																					
<i>Uvularia grandif.</i>																					
<i>U. sessilifolia</i>																					
<i>Vaccinium angustifolium</i>																					
<i>Vaccinium canad.</i>																					
<i>Verbena urticaefolia</i>																					
<i>Veronica serpyll.</i>																					
<i>Veronicastrum vir.</i>																					
<i>Viburnum acerifol.</i>																					
<i>V. affine</i>																					
<i>V. lentago</i>																					
<i>V. trilobum</i>																					
<i>Vicia americana</i>																					
<i>Viola conspersa</i>																					
<i>Viola cucullata</i>																					
<i>V. incognita</i>																					
<i>V. pubescens</i>																					
<i>Viola sagittata</i>																					
<i>Vitis aestivalis</i>																					
<i>V. a. var. argent.</i>																					
<i>V. riparia</i>																					
<i>Woodsia ilvensis</i>																					
<i>Zanthoxylum amer.</i>																					
<i>Zizia aurea</i>																					
Additional sp.																					
<i>Zanthoxylum amer</i>																					

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