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## **Site 4033: Aztalan, Jefferson County, Township 7N, Range 14E, Section 9. 1951-07-16**

[s.l.]: [s.n.], 1951-07-16

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STAND RECORD

FORESTS

Stand No.

4033

Name: *Aztalan*  
 County: *Jefferson*  
 Date: *7/16/57*  
 Size of Stand:  
 Forest Type: *Low Hardwoods*  
 Topography:

Locality:  
 T: *7N* R: *14E* Sec: *SEC 9 SE 1/4*  
 Observers: *Bray, Libbert*  
 Size of Area Sampled:  
 Soil Type:  
 Slope: Directions

Condition of Stand:

*Red Oaks cut, no grazing*

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

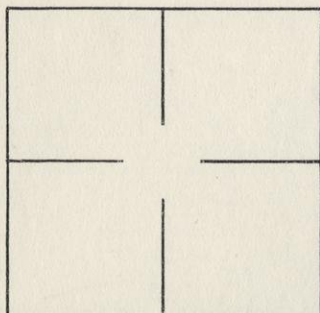
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A <sub>0</sub>	<i>1/4 - 1/2</i>	<i>leaves</i>
A <sub>1</sub>	<i>6-12 in</i>	<i>black sandy loam</i>
A <sub>2</sub>		
B	<i>C</i>	<i>brown sand silt</i>

Parent Material:

Map:





STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo										
A. saccharinum										
A. saccharum										
Betula nigra										
Carya cordiformis										
Celtis occident.										
Crataegus sp.										
Fraxinus americ.										160
F. nigra										
F. pensylvanica										
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides										
P. tremuloides										
Prunus serotina				210					95	
Quercus bicolor			350							
Q. rubra			340		370					
Robinia pseudo.					290					
Salix nigra										
Tilia americana	20	65	3	30	27	25	2	1		35
Ulmus americana	75	55	2	1	2	16		65	2	4
U. rubra										
Pr. Virg.	3			1		3		1		
Ostrya		2					25	1	40	35
A. rubrum				1			1			
Distance	15.5	22.5	33	14.5	20	6.5	7	11	11	20

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo										
A. saccharinum										
A. saccharum										
Betula nigra										
Carya cordiformis				70						
Celtis occident.										
Crataegus sp.										
Fraxinus americ.										
F. nigra										
F. pensylvanica										
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides										
P. tremuloides										
Prunus serotina										
Quercus bicolor										
Q. rubra			280							360
Robinia pseudo.										
Salix nigra										
Tilia americana	60	3	55			30	2	20	14	35
Ulmus americana		15	35	1	120	75	250	110		
U. rubra										
A. rubrum	180	1		25	85				310	
Ostrya							25	1	1	1
Distance	19	14.5	31	21	23	16	15.5	8	16	24.5

STATION NO.	1	2	3	4	5	6	7	8	9	10				
Acer negundo														
A. saccharinum														
A. saccharum														
Betula nigra														
Carya cordiformis					27									
Celtis occident.														
Crataegus sp.														
Fraxinus americ.														
F. nigra														
F. pennsylvanica														
Gleditsia triacan.														
Gymnocladus dioica														
Juglans cinerea														
Platanus occident.														
Populus deltoides														
P. tremuloides														
Prunus serotina														
Quercus bicolor														
Q. rubra	100			480				230						
Robinia pseudo.														
Salix nigra														
Tilia americana	85	85	17	3	21	1	40	7	15	4	165	1	116	2
Ulmus americana	2	40	120	1	2	35	1	35	45	1	40	2	80	1
U. rubra									in quad					
Cornus alt.	35	2												
Ostrya			3		1		35	1					1	1
Acer rubrum						2	2	1						
Distance	26.5	17	11	20	29	20	9.5	17.5	7	15.5				

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
Quadrat No. 1

Acorus calamus	Cornus stolonifera	✓ Osmorhiza longistylis <i>clay</i>
Alisma subcordatum	Cryptotaenia canadensis	Osmunda regalis
Amorpha fruticosa	Echinocystis lobata	✓ Parthenocissus inserta
Anemone canadensis	Ellisia nyctelea	Phlox divaricata
Anemone virginiana	Elymus virginicus	Physostegia virginiana
Angelica atropurpurea	Epilobium palustris	Poa palustris
✓ Arisaema atrorubens	Galium aparine	Polygonatum canaliculatum
Arisaema dracontium	Galium concinnum	Polygonum sagittatum
Asarum canadense	Galium obtusum	Ranunculus arbortivus
Asclepias incarnata	Galium tinctorium	Ranunculus septentrionalis
Bidens coronata	Geranium maculatum	Rhus radicans
Bidens vulgata	Geum canadense	Rorippa islandica
Caltha palustris	Glyceria nervata	Rudbeckia laciniata
Campanula americana	Helenium autumnale	Rumex verticillatus
Carex alopecoidea	Hypericum pyramidatum	Salix amygdaloides
Carex crinita	Ilex verticillata	Salix longifolia
Carex grayii	Impatiens capensis	Sambucus canadensis
Carex intumescens	Iris virginica	✓ Sanicula gregaria
Carex lupulina	Juncus tenuis	Silphium perfoliatum
Carex muskingumensis	Laportea canadensis	Sium suave
Carex normalis	Leersia oryzoides	Smilax ecirrhata
Carex tribuloides	Lippia lanceolata	Smilax herbacea
Carex typhina	Lobelia cardinalis	Smilax hispida
Carex vesicaria	Lycopus americana	Stachys palustris
Carex vulpinoidea	Lycopus uniflorus	Teucrium canadense
Cassia marilandica	Lysimachia ciliata	Thalictrum dasycarpum
Cephalanthus occidentalis	Menispermum canadense	Thalictrum dioicum
Chaeiophyllum procumbens	Mertensia virginica	Tovara virginiana
Chelone glabra	Mimulus ringens	Viburnum lentago
Cicuta maculata	Muhlenbergia sp.	✓ Viola cucullata <i>pubescens</i>
Clematis virginiana	Napaea dioica	Vitis riparia
Cornus obliqua	Onoclea sensibilis	Xanthoxylum americanum

Additional species:

*Prunus virg.*  
*White-bog**Smilacina rac.*  
*Amphicarpa bract*  
~~*Baccharis*~~

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
Quadrat No. 2

Acorus calamus	Cornus stolonifera	Osmorhiza longistylis
Alisma subcordatum	Cryptotaenia canadensis	Osmunda regalis
Amorpha fruticosa	Echinocystis lobata	✓ Parthenocissus inserta
Anemone canadensis	Ellisia nyctelea	Phlox divaricata
Anemone virginiana	Elymus virginicus	Physostegia virginiana
Angelica atropurpurea	Epilobium palustris	Poa palustris
✓ Arisaema atrorubens	Galium aparine	Polygonatum canaliculatum
Arisaema dracontium	Galium concinnum	Polygonum sagittatum
Asarum canadense	Galium obtusum	Ranunculus arbortivus
Asclepias incarnata	Galium tinctorium	Ranunculus septentrionalis
Bidens coronata	✓ Geranium maculatum	Rhus radicans
Bidens vulgata	Geum canadense	Rorippa islandica
Caltha palustris	Glyceria nervata	Rudbeckia laciniata
Campanula americana	Helenium autumnale	Rumex verticillatus
Carex alopecoidea	Hypericum pyramidatum	Salix amygdaloides
Carex crinita	Ilex verticillata	Salix longifolia
Carex grayii	Impatiens capensis	Sambucus canadensis
Carex intumescens	Iris virginica	✓ Sanicula gregaria
Carex lupulina	Juncus tenuis	Silphium perfoliatum
Carex muskingumensis	Laportea canadensis	Sium suave
Carex normalis	Leersia oryzoides	Smilax ecirrhata
Carex tribuloides	Lippia lanceolata	Smilax herbacea
Carex typhina	Lobelia cardinalis	Smilax hispida
Carex vesicaria	Lycopus americana	Stachys palustris
Carex vulpinoidea	Lycopus uniflorus	Teucrium canadense
Cassia marilandica	Lysimachia ciliata	Thalictrum dasycarpum
Cephalanthus occidentalis	Menispermum canadense	Thalictrum dioicum
Chaetophyllum procumbens	Mertensia virginica	Tovara virginiana
Chelone glabra	Mimulus ringens	Viburnum lentago
Cicuta maculata	Muhlenbergia sp.	Viola cucullata
Clematis virginiana	Napaea dioica	Vitis riparia
✓ Cornus <del>obliqua</del> <i>fenestra</i>	Onoclea sensibilis	Xanthoxylum americanum

Additional species:

*Podophyllum peltatum*  
*Smilacina rac.*  
*Ampelocarpus bract.*



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
Quadrat No.

3

Acorus calamus  
 Alisma subcordatum  
 Amorpha fruticosa  
 Anemone canadensis  
 Anemone virginiana  
 Angelica atropurpurea  
 Arisaema atropurpureum  
 Arisaema dracontium  
 Asarum canadense  
 Asclepias incarnata  
 Bidens coronata  
 Bidens vulgata  
 Caltha palustris  
 Campanula americana  
 Carex alopecoidea  
 Carex crinita  
 Carex grayii  
 Carex intumescens  
 Carex lupulina  
 Carex muskingumensis  
 Carex normalis  
 Carex tribuloides  
 Carex typhina  
 Carex vesicaria  
 Carex vulpinoidea  
 Cassia marilandica  
 Cephalanthus occidentalis  
 Chaeiophyllum procumbens  
 Chelone glabra  
 Cicuta maculata  
 Clematis virginiana  
 Cornus obliqua

Cornus stolonifera  
 Cryptotaenia canadensis  
 Echinocystis lobata  
 Ellisia nyctelea  
 Elymus virginicus  
 Epilobium palustris  
 Galium aparine  
 Galium concinnum  
 Galium obtusum  
 ✓ Galium tinctorium triflorum  
 Geranium maculatum  
 Geum canadense  
 Glyceria nervata  
 Helenium autumnale  
 Hypericum pyramidatum  
 Ilex verticillata  
 Impatiens capensis  
 Iris virginica  
 Juncus tenuis  
 Laportea canadensis  
 Leersia oryzoides  
 Lippia lanceolata  
 Lobelia cardinalis  
 Lycopodium americana  
 Lycopodium uniflorum  
 Lysimachia ciliata  
 Menispermum canadense  
 Mertensia virginica  
 Mimulus ringens  
 Muhlenbergia sp.  
 Napaea dioica  
 Onoclea sensibilis

Osmorhiza longistylis  
 Osmunda regalis  
 ✓ Parthenocissus inserta  
 Phlox divaricata  
 Physostegia virginiana  
 Poa palustris  
 Polygonatum canaliculatum  
 Polygonum sagittatum  
 Ranunculus abortivus  
 Ranunculus septentrionalis  
 Rhus radicans  
 Rorippa islandica  
 Rudbeckia laciniata  
 Rumex verticillatus  
 Salix amygdaloides  
 Salix longifolia  
 Sambucus canadensis  
 Sanicula gregaria  
 Silphium perfoliatum  
 Sium suave  
 Smilax ecirrhata  
 Smilax herbacea  
 Smilax hispida  
 Stachys palustris  
 Teucrium canadense  
 Thalictrum dasycarpum  
 Thalictrum dioicum  
 Tovarva virginiana  
 Viburnum lentago  
 ✓ Viola cucullata  
 Vitis riparia  
 Xanthoxylum americanum

Clay

Additional species:

Cercia lat. Ribes cynosbati  
 Phytolacca sp. Ciliate leaf  
 Smilacina racemosa

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
Quadrat No.

4

Acorus calamus	Cornus stolonifera	Osmorhiza longistylis
Alisma subcordatum	Cryptotaenia canadensis	Osmunda regalis
Amorpha fruticosa	Echinocystis lobata	✓ Parthenocissus inserta
Anemone canadensis	Ellisia nyctelea	Phlox divaricata
Anemone virginiana	Elymus virginicus	Physostegia virginiana
Angelica atropurpurea	Epilobium palustris	Poa palustris
✓ Arisaema atrorubens	Galium aparine	Polygonatum canaliculatum
Arisaema dracontium	✓ Galium concinnum	Polygonum sagittatum
Asarum canadense	Galium obtusum	✓ Ranunculus abortivus
Asclepias incarnata	Galium tinctorium	Ranunculus septentrionalis
Bidens coronata	✓ Geranium maculatum	Rhus radicans
Bidens vulgata	Geum canadense	Rorippa islandica
Caltha palustris	Glyceria nervata	Rudbeckia laciniata
Campanula americana	Helenium autumnale	Rumex verticillatus
Carex alopecoidea	Hypericum pyramidatum	Salix amygdaloides
Carex crinita	Ilex verticillata	Salix longifolia
Carex grayii	Impatiens capensis	Sambucus canadensis
Carex intumescens	Iris virginica	✓ Sanicula gregaria
Carex lupulina	Juncus tenuis	Silphium perfoliatum
Carex muskingumensis	Laportea canadensis	Sium suave
Carex normalis	Leersia oryzoides	Smilax ecirrhata
Carex tribuloides	Lippia lanceolata	Smilax herbacea
Carex typhina	Lobelia cardinalis	Smilax hispida
Carex vesicaria	Lycopus americana	Stachys palustris
Carex vulpinoidea	Lycopus uniflorus	Teucrium canadense
Cassia marilandica	Lysimachia ciliata	Thalictrum dasycarpum
Cephalanthus occidentalis	Menispermum canadense	Thalictrum dioicum
Chaeiophyllum procumbens	Mertensia virginica	Tovara virginiana
Chelone glabra	Mimulus ringens	Viburnum lentago
Cicuta maculata	Muhlenbergia sp.	Viola cucullata
Clematis virginiana	Napaea dioica	Vitis riparia
Cornus obliqua	Onoclea sensibilis	Xanthoxylum americanum

Additional species:

*Smilicina racemosa*  
*Phryma lept*  
*Lonicera dioica*

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033

Quadrat No.

5

Acorus calamus  
 Alisma subcordatum  
 Amorpha fruticosa  
 Anemone canadensis  
 Anemone virginiana  
 Angelica atropurpurea  
 Arisaema atrorubens  
 Arisaema dracontium  
 Asarum canadense  
 Asclepias incarnata  
 Bidens coronata  
 Bidens vulgata  
 Caltha palustris  
 Campanula americana  
 Carex alopecoidea  
 Carex crinita  
 Carex grayii  
 Carex intumescens  
 Carex lupulina  
 Carex muskingumensis  
 Carex normalis  
 Carex tribuloides  
 Carex typhina  
 Carex vesicaria  
 Carex vulpinoidea  
 Cassia marilandica  
 Cephalanthus occidentalis  
 Chaeiophyllum procumbens  
 Chelone glabra  
 Cicuta maculata  
 Clematis virginiana  
 Cornus obliqua

Cornus stolonifera  
 Cryptotaenia canadensis  
 Echinocystis lobata  
 Ellisia nyctelea  
 Elymus virginicus  
 Epilobium palustris  
 Galium aparine  
 Galium concinnum  
 Galium obtusum  
 Galium tinctorium  
 Geranium maculatum  
 Geum canadense  
 Glyceria nervata  
 Helenium autumnale  
 Hypericum pyramidatum  
 Ilex verticillata  
 Impatiens capensis  
 Iris virginica  
 Juncus tenuis  
 Laportea canadensis  
 Leersia oryzoides  
 Lippia lanceolata  
 Lobelia cardinalis  
 Lycopus americana  
 Lycopus uniflorus  
 Lysimachia ciliata  
 Menispermum canadense  
 Mertensia virginica  
 Mimulus ringens  
 Muhlenbergia sp.  
 Napaea dioica  
 Onoclea sensibilis

✓ Osmorhiza longistylis Clay  
 Osmunda regalis  
 Parthenocissus inserta  
 Phlox divaricata  
 Physostegia virginiana  
 Poa palustris  
 ✓ Polygonatum ~~canaliculatum~~ biflorum  
 Polygonum sagittatum  
 Ranunculus arbortivus  
 Ranunculus septentrionalis  
 Rhus radicans  
 Rorippa islandica  
 Rudbeckia laciniata  
 Rumex verticillatus  
 Salix amygdaloides  
 Salix longifolia  
 Sambucus canadensis  
 ✓ Sanicula gregaria  
 Silphium perfoliatum  
 Sium suave  
 Smilax ecirrhata  
 Smilax herbacea  
 Smilax hispida  
 Stachys palustris  
 Teucrium canadense  
 Thalictrum dasycarpum  
 Thalictrum dioicum  
 Tovara virginiana  
 Viburnum lentago  
 Viola cucullata  
 ✓ Vitis riparia  
 Xanthoxylum americanum

Additional species:

Rubus black  
 Ciliate leaf  
 Phytolacca  
 Podophyllum ped.  
 Caulophyllum thal.

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4 0 33  
Quadrat No. 6

Acorus calamus	Cornus stolonifera	✓ Osmorhiza longistylis <i>Clay.</i>
Alisma subcordatum	Cryptotaenia canadensis	Osunda regalis
Amorpha fruticosa	Echinocystis lobata	✓ Parthenocissus inserta
Anemone canadensis	Ellisia nyctelea	Phlox divaricata
Anemone virginiana	Elymus virginicus	Physostegia virginiana
Angelica atropurpurea	Epilobium palustris	Poa palustris
✓ Arisaema atrorubens	Galium aparine	Polygonatum canaliculatum
Arisaema dracontium	Galium concinnum	Polygonum sagittatum
Asarum canadense	Galium obtusum	Ranunculus arbortivus
Asclepias incarnata	Galium tinctorium	Ranunculus septentrionalis
Bidens coronata	✓ Geranium maculatum	Rhus radicans
Bidens vulgata	Geum canadense	Rorippa islandica
Caltha palustris	Glyceria nervata	Rudbeckia laciniata
Campanula americana	Helenium autumnale	Rumex verticillatus
Carex alopecoidea	Hypericum pyramidatum	Salix amygdaloides
Carex crinita	Ilex verticillata	Salix longifolia
Carex grayii	Impatiens capensis	Sambucus canadensis
Carex intumescens	Iris virginica	✓ Sanicula gregaria
Carex lupulina	Juncus tenuis	Silphium perfoliatum
Carex muskingumensis	Laportea canadensis	Sium suave
Carex normalis	Leersia oryzoides	Smilax ecirrhata
Carex tribuloides	Lippia lanceolata	Smilax herbacea
Carex typhina	Lobelia cardinalis	Smilax hispida
Carex vesicaria	Lycopus americana	Stachys palustris
Carex vulpinoidea	Lycopus uniflorus	Teucrium canadense
Cassia marilandica	Lysimachia ciliata	Thalictrum dasycarpum
Cephalanthus occidentalis	Menispermum canadense	Thalictrum dioicum
Chaeiophyllum procumbens	Mertensia virginica	Tovara virginiana
Chelone glabra	Mimulus ringens	Viburnum lentago
Cicuta maculata	Muhlenbergia sp.	✓ Viola cucullata <i>pubescens</i>
Clematis virginiana	Napaea dioica	Vitis riparia
Cornus obliqua	Onoclea sensibilis	Xanthoxylum americanum

Additional species:

*Phryma lep*  
*Smilacinaeae*  
*Ciliate leaf*

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
Quadrat No.

7

Acorus calamus	Cornus stolonifera	Osmorhiza longistylis
Alisma subcordatum	Cryptotaenia canadensis	Osmunda regalis
Amorpha fruticosa	Echinocystis lobata	✓ Parthenocissus inserta
Anemone canadensis	Ellisia nyctelea	Phlox divaricata
Anemone virginiana	Elymus virginicus	Physostegia virginiana
Angelica atropurpurea	Epilobium palustris	Poa palustris
✓ Arisaema atrorubens	Galium aparine	Polygonatum canaliculatum
Arisaema dracontium	Galium concinnum	Polygonum sagittatum
Asarum canadense	Galium obtusum	Ranunculus arbortivus
Asclepias incarnata	Galium tinctorium	Ranunculus septentrionalis
Bidens coronata	Geranium maculatum	Rhus radicans
Bidens vulgata	Geum canadense	Rorippa islandica
Caltha palustris	Glyceria nervata	Rudbeckia laciniata
Campanula americana	Helenium autumnale	Rumex verticillatus
Carex alopecoidea	Hypericum pyramidatum	Salix amygdaloides
Carex crinita	Ilex verticillata	Salix longifolia
Carex grayii	Impatiens capensis	Sambucus canadensis
Carex intumescens	Iris virginica	✓ Sanicula gregaria
Carex lupulina	Juncus tenuis	Silphium perfoliatum
Carex muskingumensis	Laporteia canadensis	Sium suave
Carex normalis	Leersia oryzoides	Smilax ecirrhata
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Cephalanthus occidentalis	Menispermum canadense	Thalictrum dioicum
Chaeirophyllum procumbens	Mertensia virginica	Tovara virginiana
Chelone glabra	Mimulus ringens	Viburnum lentago
Cicuta maculata	Muhlenbergia sp.	Viola cucullata
Clematis virginiana	Napaea dioica	✓ Vitis riparia
Cornus obliqua	Onoclea sensibilis	Xanthoxylum americanum

Additional species:

Phryma

~~Cicuta~~

Cicuta

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
Quadrat No. 8

Acorus calamus  
 Alisma subcordatum  
 Amorpha fruticosa  
 Anemone canadensis  
 Anemone virginiana  
 Angelica atropurpurea  
 Arisaema atropurpureum  
 Arisaema dracontium  
 Asarum canadense  
 Asclepias incarnata  
 Bidens coronata  
 Bidens vulgata  
 Caltha palustris  
 Campanula americana  
 Carex alopecoidea  
 Carex crinita  
 Carex grayii  
 Carex intumescens  
 Carex lupulina  
 Carex muskingumensis  
 Carex normalis  
 Carex tribuloides  
 Carex typhina  
 Carex vesicaria  
 Carex vulpinoidea  
 Cassia marilandica  
 Cephalanthus occidentalis  
 Chaeiophyllum procumbens  
 Chelone glabra  
 Cicutula maculata  
 Clematis virginiana  
 Cornus obliqua

Cornus stolonifera  
 Cryptotaenia canadensis  
 Echinocystis lobata  
 Ellisia nyctelea  
 Elymus virginicus  
 Epilobium palustris  
 Galium aparine  
 Galium concinnum  
 Galium obtusum  
 Galium tinctorium  
 Geranium maculatum  
 Geum canadense  
 Glyceria nervata  
 Helenium autumnale  
 Hypericum pyramidatum  
 Ilex verticillata  
 Impatiens capensis  
 Iris virginica  
 Juncus tenuis  
 Laportea canadensis  
 Leersia oryzoides  
 Lippia lanceolata  
 Lobelia cardinalis  
 Lycopodium americana  
 Lycopodium uniflorum  
 Lysimachia ciliata  
 Menispermum canadense  
 Mertensia virginica  
 Mimulus ringens  
 Muhlenbergia sp.  
 Napaea dioica  
 Onoclea sensibilis

✓ Osmorhiza longistylis *Clay*  
 Osmunda regalis  
 ✓ Parthenocissus inserta  
 Phlox divaricata  
 Physostegia virginiana  
 Poa palustris  
 Polygonatum canaliculatum  
 Polygonum sagittatum  
 Ranunculus abortivus  
 Ranunculus septentrionalis  
 Rhus radicans  
 Rorippa islandica  
 Rudbeckia laciniata  
 Rumex verticillatus  
 Salix amygdaloides  
 Salix longifolia  
 Sambucus canadensis  
 Sanicula gregaria  
 Silphium perfoliatum  
 Sium suave  
 Smilax ecirrhata  
 Smilax herbacea  
 Smilax hispida  
 Stachys palustris  
 Teucrium canadense  
 Thalictrum dasycarpum  
 Thalictrum dioicum  
 Tofieldia virginiana  
 Viburnum lentago  
 Viola cucullata  
 Vitis riparia  
 Xanthoxylum americanum

Additional species:

~~Cicutula~~ Circea  
 Smilacina rac.

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033

Quadrat No. 9

Acorus calamus  
 Alisma subcordatum  
 Amorpha fruticosa  
 Anemone canadensis  
 Anemone virginiana  
 Angelica atropurpurea  
 Arisaema atrorubens  
 Arisaema dracontium  
 Asarum canadense  
 Asclepias incarnata  
 Bidens coronata  
 Bidens vulgata  
 Caltha palustris  
 Campanula americana  
 Carex alopecoidea  
 Carex crinita  
 Carex grayii  
 Carex intumescens  
 Carex lupulina  
 Carex muskingumensis  
 Carex normalis  
 Carex tribuloides  
 Carex typhina  
 Carex vesicaria  
 Carex vulpinoidea  
 Cassia marilandica  
 Cephalanthus occidentalis  
 Chaeirophyllum procumbens  
 Chelone glabra  
 Cicutula maculata  
 Clematis virginiana  
 Cornus obliqua

Cornus stolonifera  
 Cryptotaenia canadensis  
 Echinocystis lobata  
 Ellisia nyctelea  
 Elymus virginicus  
 Epilobium palustris  
 Galium aparine  
 Galium concinnum  
 Galium obtusum  
 Galium tinctorium triflorum  
 Geranium maculatum  
 Geum canadense  
 Glyceria nervata  
 Helenium autumnale  
 Hypericum pyramidatum  
 Ilex verticillata  
 Impatiens capensis  
 Iris virginica  
 Juncus tenuis  
 Laportea canadensis  
 Leersia oryzoides  
 Lippia lanceolata  
 Lobelia cardinalis  
 Lycopodium americana  
 Lycopodium uniflorum  
 Lysimachia ciliata  
 Menispermum canadense  
 Mertensia virginica  
 Mimulus ringens  
 Muhlenbergia sp.  
 Napaea dioica  
 Onoclea sensibilis

✓ Osmorhiza longistylis clay  
 Osmunda regalis  
 ✓ Parthenocissus inserta  
 Phlox divaricata  
 Physostegia virginiana  
 Poa palustris  
 Polygonatum canaliculatum  
 Polygonum sagittatum  
 Ranunculus abortivus  
 Ranunculus septentrionalis  
 Rhus radicans  
 Rorippa islandica  
 Rudbeckia laciniata  
 Rumex verticillatus  
 Salix amygdaloides  
 Salix longifolia  
 Sambucus canadensis  
 Sanicula gregaria  
 Silphium perfoliatum  
 Sium suave  
 Smilax ecirrhata  
 Smilax herbacea  
 Smilax hispida  
 Stachys palustris  
 Teucrium canadense  
 Thalictrum dasycarpum  
 Thalictrum dioicum  
 Tovara virginiana  
 Viburnum lentago  
 Viola cucullata  
 Vitis riparia  
 Xanthoxylum americanum

Additional species:

Smilacina rac.  
 Amphicarpa  
 Phryma lep

Botrycium var  
 Cirsia lat = quadrisulcata  
 AE

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
Quadrat No. 10

Acorus calamus	Cornus stolonifera	Osmorhiza longistylis
Alisma subcordatum	Cryptotaenia canadensis	Osmunda regalis
Amorpha fruticosa	Echinocystis lobata	✓ Parthenocissus inserta
Anemone canadensis	Ellisia nyctelea	Phlox divaricata
Anemone virginiana	Elymus virginicus	Physostegia virginiana
Angelica atropurpurea	Epilobium palustris	Poa palustris
✓ Arisaema atrorubens	Galium aparine	Polygonatum canaliculatum
Arisaema dracontium	Galium concinnum	Polygonum sagittatum
Asarum canadense	Galium obtusum	Ranunculus abortivus
Asclepias incarnata	Galium tinctorium	Ranunculus septentrionalis
Bidens coronata	Geranium maculatum	Rhus radicans
Bidens vulgata	Geum canadense	Rorippa islandica
Caltha palustris	Glyceria nervata	Rudbeckia laciniata
Campanula americana	Helenium autumnale	Rumex verticillatus
Carex alopecoidea	Hypericum pyramidatum	Salix amygdaloides
Carex crinita	Ilex verticillata	Salix longifolia
Carex grayii	Impatiens capensis	Sambucus canadensis
Carex intumescens	Iris virginica	Sanicula gregaria
Carex lupulina	Juncus tenuis	Silphium perfoliatum
Carex muskingumensis	Laportea canadensis	Sium suave
Carex normalis	Leersia oryzoides	Smilax ecirrhata
Carex tribuloides	Lippia lanceolata	Smilax herbacea
Carex typhina	Lobelia cardinalis	Smilax hispida
Carex vesicaria	Lycopus americana	Stachys palustris
Carex vulpinoidea	Lycopus uniflorus	Teucrium canadense
Cassia marilandica	Lysimachia ciliata	Thalictrum dasycarpum
Cephalanthus occidentalis	Menispermum canadense	Thalictrum dioicum
Chaeiophyllum procumbens	Mertensia virginica	Tovara virginiana
Chelone glabra	Mimulus ringens	Viburnum lentago
Cicuta maculata	Muhlenbergia sp.	Viola cucullata
Clematis virginiana	Napaea dioica	Vitis riparia
Cornus obliqua	Onoclea sensibilis	Xanthoxylum americanum

Additional species:

*Sanguinaria canadensis*  
*Smilacina rac.*  
*Circaea det.*



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
Quadrat No. 11

Acorus calamus	Cornus stolonifera	Osmorhiza longistylis
Alisma subcordatum	✓Cryptotaenia canadensis	Osmunda regalis
Amorpha fruticosa	Echinocystis lobata	✓Parthenocissus inserta
Anemone canadensis	Ellisia nyctelea	Phlox divaricata
Anemone virginiana	Elymus virginicus	Physostegia virginiana
Angelica atropurpurea	Epilobium palustris	Poa palustris
✓Arisaema atrorubens	Galium aparine	Polygonatum canaliculatum
Arisaema dracontium	✓Galium concinnum	Polygonum sagittatum
Asarum canadense	Galium obtusum	Ranunculus arbortivus
Asclepias incarnata	✓Galium tinctorium <i>triflorum</i>	Ranunculus septentrionalis
Bidens coronata	Geranium maculatum	Rhus radicans
Bidens vulgata	Geum canadense	Rorippa islandica
Caltha palustris	Glyceria nervata	Rudbeckia laciniata
Campanula americana	Helenium autumnale	Rumex verticillatus
Carex alopecoidea	Hypericum pyramidatum	Salix amygdaloides
Carex crinita	Ilex verticillata	Salix longifolia
Carex grayii	Impatiens capensis	Sambucus canadensis
Carex intumescens	Iris virginica	✓Sanicula gregaria
Carex lupulina	Juncus tenuis	Silphium perfoliatum
Carex muskingumensis	Laportea canadensis	Sium suave
Carex normalis	Leersia oryzoides	Smilax ecirrhata
Carex tribuloides	Lippia lanceolata	Smilax herbacea
Carex typhina	Lobelia cardinalis	Smilax hispida
Carex vesicaria	Lycopus americana	Stachys palustris
Carex vulpinoidea	Lycopus uniflorus	Teucrium canadense
Cassia marilandica	Lysimachia ciliata	Thalictrum dasycarpum
Cephalanthus occidentalis	Menispermum canadense	Thalictrum dioicum
Chaeiophyllum procumbens	Mertensia virginica	Tovara virginiana
Chelone glabra	Mimulus ringens	Viburnum lentago
Cicuta maculata	Muhlenbergia sp.	Viola cucullata
Clematis virginiana	Napaea dioica	✓Witis riparia
Cornus obliqua	Onoclea sensibilis	Xanthoxylum americanum

Additional species:

*Smilacina rac.* ✓  
*Cercia lat.* ✓  
*Amphicarpa grac.* ✓

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
Quadrat No. 1V

Acorus calamus  
 Alisma subcordatum  
 Amorpha fruticosa  
 Anemone canadensis  
 Anemone virginiana  
 Angelica atropurpurea  
 Arisaema atrorubens  
 Arisaema dracontium  
 Asarum canadense  
 Asclepias incarnata  
 Bidens coronata  
 Bidens vulgata  
 Caltha palustris  
 Campanula americana  
 Carex alopecoidea  
 Carex crinita  
 Carex grayii  
 Carex intumescens  
 Carex lupulina  
 Carex muskingumensis  
 Carex normalis  
 Carex tribuloides  
 Carex typhina  
 Carex vesicaria  
 Carex vulpinoidea  
 Cassia marilandica  
 Cephalanthus occidentalis  
 Chaeiophyllum procumbens  
 Chelone glabra  
 Cicuta maculata  
 Clematis virginiana  
 Cornus obliqua

Cornus stolonifera  
 Cryptotaenia canadensis  
 Echinocystis lobata  
 Ellisia nyctelea  
 Elymus virginicus  
 Epilobium palustris  
 Galium aparine  
 Galium concinnum  
 Galium obtusum  
 Galium tinctorium  
 Geranium maculatum  
 Geum canadense  
 Glyceria nervata  
 Helenium autumnale  
 Hypericum pyramidatum  
 Ilex verticillata  
 Impatiens capensis  
 Iris virginica  
 Juncus tenuis  
 Laportea canadensis  
 Leersia oryzoides  
 Lippia lanceolata  
 Lobelia cardinalis  
 Lycopus americana  
 Lycopus uniflorus  
 Lysimachia ciliata  
 Menispermum canadense  
 Mertensia virginica  
 Mimulus ringens  
 Muhlenbergia sp.  
 Napaea dioica  
 Onoclea sensibilis

✓ Osmorhiza longistylis *Cley*  
 Osmunda regalis  
 ✓ Parthenocissus inserta  
 Phlox divaricata  
 Physostegia virginiana  
 Poa palustris  
 ✓ Polygonatum canaliculatum *biflorum*  
 Polygonum sagittatum  
 Ranunculus abortivus  
 Ranunculus septentrionalis  
 Rhus radicans  
 Rorippa islandica  
 Rudbeckia laciniata  
 Rumex verticillatus  
 Salix amygdaloides  
 Salix longifolia  
 Sambucus canadensis  
 Sanicula gregaria  
 Silphium perfoliatum  
 Sium suave  
 Smilax ecirrhata  
 Smilax herbacea  
 Smilax hispida  
 Stachys palustris  
 Teucrium canadense  
 Thalictrum dasycarpum  
 Thalictrum dioicum  
 Tovara virginiana  
 Viburnum lentago  
 ✓ Viola cucullata *pub.*  
 Vitis riparia  
 Xanthoxylum americanum

Additional species:

*Circia lat.*  
*Phrygan*  
*Sulicaria soc.*

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

 Stand No. 4033  
 Quadrat No. 13

Acorus calamus  
 Alisma subcordatum  
 Amorpha fruticosa  
 Anemone canadensis  
 Anemone virginiana  
 Angelica atropurpurea  
 ✓ Arisaema atrorubens  
 Arisaema dracontium  
 Asarum canadense  
 Asclepias incarnata  
 Bidens coronata  
 Bidens vulgata  
 Caltha palustris  
 Campanula americana  
 Carex alopecoidea  
 Carex crinita  
 Carex grayii  
 Carex intumescens  
 Carex lupulina  
 Carex muskingumensis  
 Carex normalis  
 Carex tribuloides  
 Carex typhina  
 Carex vesicaria  
 Carex vulpinoidea  
 Cassia marilandica  
 Cephalanthus occidentalis  
 Chaerophyllum procumbens  
 Chelone glabra  
 Cicuta maculata  
 Clematis virginiana  
 Cornus obliqua

Cornus stolonifera  
 Cryptotaenia canadensis  
 Echinocystis lobata  
 Ellisia nyctelea  
 Elymus virginicus  
 Epilobium palustris  
 Galium aparine  
 Galium concinnum  
 Galium obtusum  
 Galium tinctorium  
 ✓ Geranium maculatum  
 Geum canadense  
 Glyceria nervata  
 Helenium autumnale  
 Hypericum pyramidatum  
 Ilex verticillata  
 Impatiens capensis  
 Iris virginica  
 Juncus tenuis  
 Laportea canadensis  
 Leersia oryzoides  
 Lippia lanceolata  
 Lobelia cardinalis  
 Lycopus americana  
 Lycopus uniflorus  
 Lysimachia ciliata  
 Menispermum canadense  
 Mertensia virginica  
 Mimulus ringens  
 Muhlenbergia sp.  
 Napaea dioica  
 Onoclea sensibilis

✓ Osmorhiza longistylis *clay*  
 Osmunda regalis  
 ✓ Parthenocissus inserta  
 Phlox divaricata  
 Physostegia virginiana  
 Poa palustris  
 Polygonatum canaliculatum  
 Polygonum sagittatum  
 Ranunculus abortivus  
 Ranunculus septentrionalis  
 Rhus radicans  
 Rorippa islandica  
 Rudbeckia laciniata  
 Rumex verticillatus  
 Salix amygdaloides  
 Salix longifolia  
 Sambucus canadensis  
 ✓ Sanicula gregaria  
 Silphium perfoliatum  
 Sium suave  
 Smilax ecirrhata  
 Smilax herbacea  
 Smilax hispida  
 Stachys palustris  
 Teucrium canadense  
 Thalictrum dasycarpum  
 Thalictrum dioicum  
 Tovara virginiana  
 Viburnum lentago  
 Viola cucullata  
 Vitis riparia  
 Xanthoxylum americanum

Additional species:

*Sanicula*  
*Cucula* ✓

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
Quadrat No. 14

Acorus calamus  
 Alisma subcordatum  
 Amorpha fruticosa  
 Anemone canadensis  
 Anemone virginiana  
 Angelica atropurpurea  
 Arisaema atrorubens  
 Arisaema dracontium  
 Asarum canadense  
 Asclepias incarnata  
 Bidens coronata  
 Bidens vulgata  
 Caltha palustris  
 Campanula americana  
 Carex alopecoidea  
 Carex crinita  
 Carex grayii  
 Carex intumescens  
 Carex lupulina  
 Carex muskingumensis  
 Carex normalis  
 Carex tribuloides  
 Carex typhina  
 Carex vesicaria  
 Carex vulpinoidea  
 Cassia marilandica  
 Cephalanthus occidentalis  
 Chaeiophyllum procumbens  
 Chelone glabra  
 Cicutula maculata  
 Clematis virginiana  
 Cornus obliqua

Cornus stolonifera  
 Cryptotaenia canadensis  
 Echinocystis lobata  
 Ellisia nyctelea  
 Elymus virginicus  
 Epilobium palustris  
 Galium aparine  
 Galium concinnum  
 Galium obtusum  
 Galium tinctorium  
 Geranium maculatum  
 Geum canadense  
 Glyceria nervata  
 Helenium autumnale  
 Hypericum pyramidatum  
 Ilex verticillata  
 Impatiens capensis  
 Iris virginica  
 Juncus tenuis  
 Laportea canadensis  
 Leersia oryzoides  
 Lippia lanceolata  
 Lobelia cardinalis  
 Lycopus americana  
 Lycopus uniflorus  
 Lysimachia ciliata  
 Menispermum canadense  
 Mertensia virginica  
 Mimulus ringens  
 Muhlenbergia sp.  
 Napaea dioica  
 Onoclea sensibilis

✓ Osmorhiza longistylis *Clay*  
 Osmunda regalis  
 ✓ Parthenocissus inserta  
 Phlox divaricata  
 Physostegia virginiana  
 Poa palustris  
 Polygonatum canaliculatum  
 Polygonum sagittatum  
 Ranunculus arbortivus  
 Ranunculus septentrionalis  
 Rhus radicans  
 Rorippa islandica  
 Rudbeckia laciniata  
 Rumex verticillatus  
 Salix amygdaloides  
 Salix longifolia  
 Sambucus canadensis  
 Sanicula gregaria  
 Silphium perfoliatum  
 Sium suave  
 Smilax ecirrhata  
 Smilax herbacea  
 Smilax hispida  
 Stachys palustris  
 Teucrium canadense  
 Thalictrum dasycarpum  
 Thalictrum dioicum  
 Tovarua virginiana  
 Viburnum lentago  
 ✓ Viola cucullata  
 Vitis riparia  
 Xanthoxylum americanum

Additional species:

*Ulmus amer.*  
*Phryma*  
*Cercia lat.*  
*Smilacina pur.*  
*Urtica grand.*

## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No.  
Quadrat No.

4033

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Acorus calamus	Cornus stolonifera	Osmorhiza longistylis
Alisma subcordatum	Cryptotaenia canadensis	Osmunda regalis
Amorpha fruticosa	Echinocystis lobata	Parthenocissus inserta
Anemone canadensis	Ellisia nyctelea	Phlox divaricata
Anemone virginiana	Elymus virginicus	Physostegia virginiana
Angelica atropurpurea	Epilobium palustris	Poa palustris
✓Arisaema atrorubens	Galium aparine	Polygonatum canaliculatum
Arisaema dracontium	Galium concinnum	Polygonum sagittatum
Asarum canadense	Galium obtusum	Ranunculus arbortivus
Asclepias incarnata	Galium tinctorium	Ranunculus septentrionalis
Bidens coronata	Geranium maculatum	Rhus radicans
Bidens vulgata	Geum canadense	Rorippa islandica
Caltha palustris	Glyceria nervata	Rudbeckia laciniata
Campanula americana	Helenium autumnale	Rumex verticillatus
Carex alopecoidea	Hypericum pyramidatum	Salix amygdaloides
Carex crinita	Ilex verticillata	Salix longifolia
Carex grayii	Impatiens capensis	Sambucus canadensis
Carex intumescens	Iris virginica	Sanicula gregaria
Carex lupulina	Juncus tenuis	Silphium perfoliatum
Carex muskingumensis	Laportea canadensis	Sium suave
Carex normalis	Leersia oryzoides	Smilax ecirrhata
Carex tribuloides	Lippia lanceolata	Smilax herbacea
Carex typhina	Lobelia cardinalis	Smilax hispida
Carex vesicaria	Lycopus americana	Stachys palustris
Carex vulpinoidea	Lycopus uniflorus	Teucrium canadense
Cassia marilandica	Lysimachia ciliata	Thalictrum dasycarpum
Cephalanthus occidentalis	Menispermum canadense	Thalictrum dioicum
Chaeiophyllum procumbens	Mertensia virginica	Tovara virginiana
Chelone glabra	Mimulus ringens	Viburnum lentago
Cicuta maculata	Muhlenbergia sp.	✓Viola cucullata <i>pub.</i>
Clematis virginiana	Napaea dioica	Vitis riparia
Cornus obliqua	Onoclea sensibilis	Xanthoxylum americanum

Additional species:

*Smilacina rac.*  
*Caullophyllum thal.*

## PRESENCE LIST

## SOUTHERN FLOODPLAIN FOREST

Stand No4 0 33

Acer negundo  
Acer rubrum  
Acer saccharinum  
Acer saccharum  
Betula lutea  
Betula nigra  
Carya cordiformis  
Carya ovata  
Celtis occidentalis  
Crataegus  
Fraxinus americana  
Fraxinus nigra

Fraxinus pennsylvanica  
Fraxinus lanceolata  
Fraxinus quadrangulata  
Gleditsia triacanthos  
Gymnocladus dioica  
Juglans cinerea  
Juglans nigra  
Ostrya virginiana  
Platanus occidentalis  
Populus deltoides  
Populus tremuloides  
Prunus serotina

Prunus virginiana  
Quercus alba  
Quercus bicolor  
Quercus ellipsoidalis  
Quercus macrocarpa  
Quercus rubra  
Robinia pseudoacacia  
Salix nigra  
Tilia americana  
Ulmus americana  
Ulmus fulva

## HERBS &amp; SHRUBS

Acorus calamus  
✓ Actaea pachypoda *rubra*  
✓ Adiantum pedatum  
✓ Agrimonia gryposepala  
Alisma plantago-aquatica  
✓ Allium ~~canadense~~ *triccocum*  
Alnus incana  
Alnus rugosa  
Ambrosia trifida  
Amorpha fruticosa  
✓ Amphicarpa bracteata  
Anemone canadensis  
Anemone quinquefolia  
Anemone virginiana  
Anemonella thalictroides  
Apios tuberosa  
✓ Aralia nudicaulis  
Aralia racemosa  
Arenaria lateriflora  
✓ Arisaema atrorubens  
Arisaema dracontium  
Asarum canadense  
Asclepias incarnata  
Aster lateriflorus  
Aster paniculatus  
Athyrium angustum  
Aureolaria grandiflora  
Bidens coronata  
Bidens vulgata  
✓ Botrychium virginianum  
Brachyelytrum erectum  
Bromus purgans  
Caltha palustris  
Campanula americana  
Carex grayii  
Cassia marilandica  
Caulophyllum thalictroides  
Cephalanthus occidentalis  
Cheirophyllum procumbens  
Chelone glabra  
Cicuta maculata

✓ Circaea latifolia  
Cirsium altissimum  
Clematis virginiana  
Comandra umbellata  
Convolvulus sepium  
Cornus alternifolia  
Cornus femina  
Cornus obliqua  
Cornus rugosa  
Cornus stolonifera  
Corylus americana  
Cryptotaenia canadensis  
Cuscuta sp.  
Dentaria laciniata  
✓ Desmodium glutinosum  
Dicentra cucullaria  
Dioscorea villosa  
Dryopteris thelypteris  
Echinocystis lobata  
Ellisia nyctelea  
Elymus virginicus  
Epilobium palustris  
Erythronium albidum  
✓ Eupatorium purpureum *sp.*  
Eupatorium rugosum  
Fragaria virginiana  
Galium aparine  
Galium concinnum  
Galium obtusum  
✓ Galium triflorum  
✓ Geranium maculatum  
✓ Geum canadense  
Geum strictum  
Glyceria nervata  
Helianthus strumosus  
Hepatica acutiloba  
Hydrophyllum appendiculatum  
Hydrophyllum virginianum  
Hypericum ascyron  
Hystrix patula  
Ilex verticillata

Impatiens biflora  
Iris virginica  
Juncus tenuis  
Lactuca spicata  
Laportea canadensis  
Leersia oryzoides  
Lilium philadelphicum  
Lippia lanceolata  
Lobelia cardinalis  
✓ Lonicera proliifera *Sierrilla*  
Lycopus americana  
Lycopus uniflorus  
Menispermum canadense  
Muhlenbergia sp.  
Napaea dioica  
Onoclea sensibilis  
✓ Osmorhiza claytoni  
Osmorhiza longistylis  
Osmunda regalis  
Parietaria pennsylvanica  
✓ Parthenocissus vitacea  
Phlox divaricata  
✓ Phryma leptostachya  
Physocarpus opulifolius  
Physostegia virginiana  
Pilea pumila  
✓ Podophyllum peltatum  
Polemonum reptans  
✓ Polygonatum commutatum *P. biflorum*  
Polygonum sagittatum  
Polygonum virginianum  
✓ Prenanthes alba  
Ranunculus abortivus  
Ranunculus recurvatus  
Ranunculus septentrionalis  
Rhus radicans  
✓ Ribes americanum  
✓ Ribes cynosbati  
✓ Ribes missouriense  
Rorippa palustris  
Rubus allegheniensis

Rudbeckia laciniata  
Rumex verticillatus  
✓Sambucus canadensis  
✓Sanguinaria canadensis  
✓Sanicula gregaria  
Sanicula marilandica  
Scutellaria lateriflora  
Senecio aureus  
Silphium perfoliatum  
Sium suave  
✓Smilacina racemosa  
Smilacina stellata

Smilax ecirrhata  
✓Smilax herbacea  
Smilax hispida  
Solidago gigantea  
Solidago ulmifolia  
Stachys palustris  
Staphylea trifolia  
Steironema ciliata  
Stellaria longifolia  
Teucrium canadense  
Thalictrum dasycarpum  
Thalictrum dioicum

4033  
✓Trillium flexipes  
Trillium grandiflorum  
Trillium recurvatum  
✓Triosteum perfoliatum  
Uvularia grandiflora  
Veronicastrum virginianum  
Viburnum lentago  
Viola cucullata  
✓Viola pubescens  
✓Vitis riparia  
✓Zanthoxylum americanum

**Additional species:**

Aquilegia canadensis

Long leaf

Actea rubra

Amelanchier

Ciliate leaf

Rubus black

Four nerved Grass in 4032 ✓