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Site 4036: Chippewa Bottoms, Buffalo County, Township 23N, Range 14W, Section 33. 1951-07-24

[s.l.]: [s.n.], 1951-07-24

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STAND RECORD

FORESTS

Stand No. 4036

Name: *Chippewa Bottoms*County: *Buffalo*Date: *7-24-51*

Size of Stand:

Forest Type: *Low Hardwood*

Topography:

Locality:

T: *23N* R: *14W* Sec: *33* E $\frac{1}{2}$ of SE $\frac{1}{4}$ Observers: *Bray, Tiller, Anderson*

Size of Area Sampled:

Soil Type:

Slope:

Directions

Condition of Stand:

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									

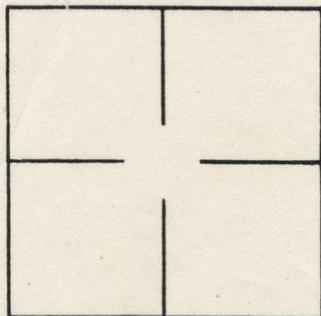
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>flooded every spring</i>	<i>sand alluvium</i>	<i>indifferent</i>
A ₁			
A ₂			
B			

Parent Material:

Map:

*unadapt*

9. grass
Boehmeria

10. *Torax*
Laportea
Drass = *Reed canopy*
Sycopsis
almensis

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo										
A. saccharinum		510	440 290	240	234		120	26002	135	28
A. saccharum										
Betula nigra										
Carya cordiformis										
Celtis occident.										
Crataegus sp.										
Fraxinus americ.										
F. nigra										21
F. pensylvanica			1	1		26 68			135	
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides										
P. tremuloides										
Prunus serotina										
Quercus bicolor										
Q. rubra										
Robinia pseudo.										
Salix nigra										
Tilia americana										
Ulmus americana	680 260	310	3	4	12	158010	48102	130	1	1
U. rubra										
Distance	34	27	29	38	36	24	44	38	18	31

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo										
A. saccharinum	205 40	17		5704		250 1451	116	431	10 ft 3 in 160 ft	4
A. saccharum										
Betula nigra				90						
Carya cordiformis										
Celtis occident.										
Crataegus sp.										
Fraxinus americ.										
F. nigra										
F. pensylvanica		93			125		63			
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides										
P. tremuloides										
Prunus serotina										
Quercus bicolor										
Q. rubra										
Robinia pseudo.										
Salix nigra										
Tilia americana										
Ulmus americana	4	27 414	4		360	0	3	100	230 4350	
U. rubra										
Distance	45	30 1/2	24	19	32	27 1/2	12	31	39	51

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer negundo</i>										
<i>A. saccharinum</i>					110	75 230	65	95 60	230	170
<i>A. saccharum</i>										
<i>Betula nigra</i>		140		65	15					210
<i>Carya cordiformis</i>										
<i>Celtis occidentalis</i>										
<i>Crataegus</i> sp.										
<i>Fraxinus americana</i>										
<i>F. nigra</i>										
<i>F. pennsylvanica</i>										
<i>Gleditsia triacanthos</i>										
<i>Gymnocladus dioica</i>										
<i>Juglans cinerea</i>										
<i>Platanus occidentalis</i>										
<i>Populus deltoides</i>										
<i>P. tremuloides</i>					560					
<i>Prunus serotina</i>										
<i>Quercus bicolor</i>										
<i>Q. rubra</i>										
<i>Robinia pseudo-acacia</i>										
<i>Salix nigra</i>										
<i>Tilia americana</i>										
<i>Ulmus americana</i>	180 150	14	40 12	320	4		150	3	110	1
<i>U. rubra</i>										
Distance	23	15 1/2	15	48 ft	21 ft	20	19 ft	19 ft	26 ft	40 ft

POINT RECORD TREES

STATION NO.	1	2	3	4	5	6	7	8	9	10					
Acer negundo															
A. saccharinum	200	210		110	650	120	110	2	75	20					
A. saccharum															
Betula nigra	190	190	120												
Carya cordiformis															
Celtis occident.															
Crataegus sp.															
Fraxinus americ.															
F. nigra															
F. pensylvanica								110							
Gleditsia triacan.															
Gymnocladus dioica															
Juglans cinerea															
Platanus occident.															
Populus deltoides															
P. tremuloides															
Prunus serotina															
Quercus bicolor															
Q. rubra															
Robinia pseudo.															
Salix nigra															
Tilia americana															
Ulmus americana	250	4	110	3	320	45	4	720	960	245	3	80	2	105	2
U. rubra															
Distance	170	260	24	140	350	220	952	21	25	20					

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036
Quadrat No. 1

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
Laporteia 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
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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Additional species:

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036
Quadrat No. 2

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
Osunda 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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Additional species:

deer tracks

Drac
 collected
 opposite
 leaves

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

 Stand No. 4036
 Quadrat No. 3

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
 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

Additional species:

Dracopis
oppositifolia

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036
Quadrat No. 4

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
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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Additional species:

Boehmeria
grass

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036
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

P

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
Laporteia 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
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:

collected
opposite
leavesBoehmeria
graminifolia

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036
Quadrat No. 6

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
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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Additional species:

Collected opposite leaves

Boehmeria
grass

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No. 17

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
 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
 Tovara virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

Additional species:

Ribes americana (p)

Betula sp. *Draco*

Boehmeria

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No. 8

4036

Acorus calamus
 Alisma subcordatum
 Amorpha fruticosa
 Anemone canadensis
 Anemone virginiana
 Angelica atropurpurea
 Arisaema atropurpurea
 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

Additional species:

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
 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
 Tovar virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

opposite leaved c

Shaw

Boehmeria

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.4036
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
 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
 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

Additional species:

Boehmeria
 grass = Reed canary

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.40386
10

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
~~L~~ ~~Laportea~~ canadensis
 Leersia oryzoides
 Lippia lanceolata
 Lobelia cardinalis
~~L~~ ~~Lycopus~~ americana
 Lycopus uniflorus
 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 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
~~T~~ ~~Tovara~~ virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

Additional species:

Reed canary

4036
4036

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.

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
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:

✓ *Juncus*✓ *Salix*
✓ *grass*

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036
Quadrat No. 12

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

Additional species:

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
Laporteia 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
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

grass

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036

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
Chaeiophyllum procumbens
Chelone glabra
Cicuta maculata
Clematis virginiana
Cornus obliqua

Additional species:

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
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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Solidago
Ipomoea cylindrica
grasses

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.

Quadrat No.

4036

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

Additional species:

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
Laporteia 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
Osunda 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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Bohmeria
grasses
Solidago

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.

4036

15

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

Additional species:

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
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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Asplenium
Grass
Yucca

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.

4036

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
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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Additional species:

only mud

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036
Quadrat No. 17

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
 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

Additional species:

Gray
 Solidago
 Polygonum

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036

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
Cicuta maculata
Clematis virginiana
Cornus obliqua

Additional species:

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
Oncoclea sensibilis

Osmorhiza longistylis
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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Solidago
polygonum

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036
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
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
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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Additional species:

Agrostis
Polypogon
Ambrosia artemisiifolia

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4036

Quadrat No. 10

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

Additional species:

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
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

Solidago
Sparg.

PRESENCE LIST

SOUTHERN FLOODPLAIN FOREST

Stand No. 4036

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 & SHRUBS

Acorus calamus
Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Alisma plantago-aquatica
Allium canadense
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
Athyrum angustum
Aureolaria grandiflora
Bidens coronata
Bidens vulgata
Botrychium virginianum
Brachyelytrum erectum
Bromus pargans
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
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 prolifera
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
Polemonium reptans
Polygonatum commutatum
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

Trillium flexipes 1036
Trillium grandiflorum
Trillium recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginianum
Viburnum lentago
Viola cucullata
Viola pubescens
Vitis riparia
Zanthoxylum americanum

Additional species:

Sagittaria

Tovara

Rudbeckia
lac

Urtica vil

Phalaris
Ratibida pinnata
Mimulus sp
Boehmeria

Ambrosia
Synanthus nutans