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Site 4024: Wolf River - Stephenville, Outagamie County, Township 22N, Range 16E, Section 18. 1951-06-19

[s.l.]: [s.n.], 1951-06-19

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STAND RECORD

FORESTS

Stand No. 4024

Name: Wolf River - Stephenville

Locality:

County: Outagamie

T: 22N R: 16E Sec: 18 NE

Date: June 19, 1951

Observers: Brown & Bray

Size of Stand: 15 acres

Size of Area Sampled: 10 acres

Forest Type: Bottomland hardwood

Soil Type: alluvial undifferentiated

Topography: level

Slope: none Directions

Condition of Stand: ^{Very} Good, little cutting, almost no cutting
no pasturage, no fence.

Presume 80, 96, 198

Pictures 26, 27, 28

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									

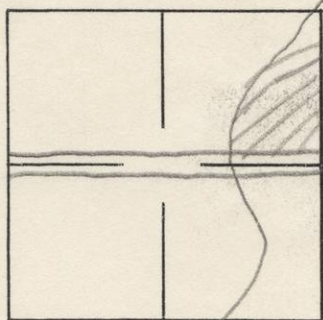
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	0 to 1 inch leaves
A ₁	1-4 in black clay loam
A ₂	brown clay
B	

Parent Material:

Map:



Highway 5

Wolf River

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo	170	✓	1	190	55	40	24	120	140	95
A. saccharinum	220									
A. saccharum										
Betula nigra										
Carya cordiformis					✓				26	
Celtis occident.										
Crataegus sp.				1	✓		✓	✓		✓
Fraxinus americ.	120	140								
F. nigra						75		11		16
F. pensylvanica										
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides										
P. tremuloides										
Prunus serotina										
Quercus bicolor	✓		280					30		✓
Q. rubra		340				380				
Robinia pseudo.										
Salix nigra										
Tilia americana				180	35	✓				✓
Ulmus americana	✓		380	✓						✓
U. rubra										
Carpinus				1	3				10	✓
Distance	16	36.5	37.5	34	20.5	42	35	23.5	45	25

Data Form No. 39

Plant Ecology Research
FLOOD-PLAIN HARDWOODSUniv. of Wisconsin
Stand No.

POINT RECORD TREES

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo	✓	22	130	50	50	220	220	85		40
A. saccharinum		1								
A. saccharum										
Betula nigra										
Carya cordiformis										
Celtis occident.										
Crataegus sp.	1									
Fraxinus americ.	✓			✓		✓		✓		✓
F. nigra	1									
F. pensylvanica										
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides										
P. tremuloides										
Prunus serotina										
Quercus bicolor	40 150		120	140	28			340	75	95
Q. rubra						280				
Robinia pseudo.										
Salix nigra										
Tilia americana			1					2	1	1
Ulmus americana	✓	40								
U. rubra									110	1
Carpinus	2		2	4	4	4	4			3
Distance	13	15	37	20.5	30	23	31.5	20.5	27.5	26

Data Form No. 39
POINT RECORD TREES

Plant Ecology Research
FLOOD-PLAIN HARDWOODS

Univ. of Wisconsin
Stand No.

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo		75				90	100	180		140 150
A. saccharinum		90	65	230						
A. saccharum										
Betula nigra										
Carya cordiformis										
Celtis occident.										
Crataegus sp.										
Fraxinus americ.					90				110 110	1
F. nigra										
F. pennsylvanica										
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides										
P. tremuloides							4	4	4	
Prunus serotina										
Quercus bicolor	120 110	14 30		55		200 270	270			
Q. rubra										
Robinia pseudo.										
Salix nigra										
Tilia americana										
Ulmus americana		100	100							
U. rubra										
Carpinus	4	1								
Quercus macrocarpa										
Distance	25	13.5	15	15	27.5	23	55.5	24	37	24

STATION NO.	1	2	3	4	5	6	7	8	9	10
<i>Acer negundo</i>	✓ 3		✓ 70	✓ 3		210	✓ 160 35	120		
<i>A. saccharinum</i>										
<i>A. saccharum</i>										
<i>Betula nigra</i>										
<i>Carya cordiformis</i>										
<i>Celtis occident.</i>										
<i>Crataegus</i> sp.										
<i>Fraxinus americ.</i>	✓ 130		✓ 1		✓			40	✓	
<i>F. nigra</i>										
<i>F. pensylvanica</i>										
<i>Gleditsia triacan.</i>										
<i>Gymnocladus dioica</i>										
<i>Juglans cinerea</i>										
<i>Platanus occident.</i>										
<i>Populus deltoides</i>										
<i>P. tremuloides</i>										
<i>Prunus serotina</i>										
<i>Quercus bicolor</i>		85		40				210 85	75	
<i>Q. rubra</i>			370		260 170				330	
<i>Robinia pseudo.</i>										
<i>Salix nigra</i>										
<i>Tilia americana</i>										
<i>Ulmus americana</i>										
<i>U. rubra</i>	150 20									1
<i>Q. muore</i>				55		130				
Distance	19	15	12	18	16.5	23	19.5	12	12	15

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No. 4024

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:

Thalictrum ciliata
Carex fusiformis

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4024
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 obliqua	Onoclea sensibilis	Xanthoxylum americanum

Additional species:

Stironema ciliata *Boehmeria cylindrica*
Anemone latifolia
Carex bracteata

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4024
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
 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
 Tovar virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

Additional species:

Carex convoluta
 Athyrium angust.
 Asplenium lat.
 Viola conspersa

Salidago sp
~~Stemona ciliata~~

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4024
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
 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

Solidago sp

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
 Tovarua virginiana
 Viburnum lentago
~~Viola~~ cucullata
 Vitis riparia
 Xanthoxylum americanum

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

 Stand No. 4024
 Quadrat No. 5

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 alopecuroides
 Carex crinita
 Carex grayii
 Carex intumescens
 Carex lupulina
 Carex muskingumensis
 Carex normalis
 Carex tribuloides
 Carex typhina
 Carex vesicaria
 Carex vulpinoidea
 Cassia marilandica
 Cephalanthus occidentalis
 Chaetophyllum procumbens
 Chelone glabra
 Cicutula maculata
 Clematis virginiana
 Cornus obliqua

Cornus stolonifera
 Cryptotaenia canadensis
 Echinocystis lobata
 Ellisia nyctelea
 Elymus virginicus
 Epilobium palustre
 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
 Tovarua virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

Additional species:

Cornus lat. *Viola conspersa*

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4024
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 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:

Fragaria virginiana
Polygonum virginicum
Viola conspurcator
Ceanothus

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

 Stand No. 4024
 Quadrat No. 7

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 alopecuroides
 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 palustre
 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:

Solidago
 Thieroneum cil.
 Carex convoluta
 Anemaria
 Agropyron sp.
 Viola conspersa

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4024
Quadrat No. 8

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:

Carex timothyi
Stenonema al.

Data Form No. 38

Plant Ecology Research

Univ. of Wisconsin

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
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 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:

Carex fusiformis

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

 Stand No. 4024
 Quadrat No. 10

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

Additional species:

Steironema
Asplenium

Carex convoluta

Viola conspersa
Carex longistylis

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4024
Quadrat No. 11

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:

Anemone
 Viola consp
 Agropyron
 Carex longistylis
 Carex fusiform
 Vitis vulpina
 Solidago

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No. 4024

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

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*~~ *septrionalis*
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:

Polygonum virginicum
Arenaria latifolia
Viola consp.
Subdage
Steironema

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.

Quadrat No.

4024

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
 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:

Carex round Timothy
 Carex drooping cat-tail
 Steironema

Solidago
 Carex fusiform

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4024
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
 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

Additional species:

Viola consp
arenaria
Solidago
Polygonum veg

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4024
Quadrat No. 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
 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
 Tovarum virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

Additional species:

Stecionema
Viola consp
Anemone

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.

Quadrat No.

024

66

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
Chaetophyllum 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:

Viola comp
~~*Polygonum*~~ *verg*

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4024
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

Additional species:

Thalictrum
Solidago
Arenaria

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

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

 Stand No. 4024
 Quadrat No. 18

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:

Carex
 Steironema

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.

Quadrat No. 19

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:

Ribes am.
Stemona
Solidago

Luis norton leaves

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 024
Quadrat No. 20

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

Additional species:

Brachyactis erectum *Anemone*
Cornus rugosa *Steironema*
Viola consp.

PRESENCE LIST

SOUTHERN FLOODPLAIN FOREST

Stand No. 4024

~~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
 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 palustre
 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
 Polemonum 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
 Trillium grandiflorum
 Trillium recurvatum
 Triosteum perfoliatum
 Uvularia grandiflora
 Veronicastrium virginianum
~~Viburnum lentago~~
~~Viola cucullata~~
 Viola pubescens
 Vitis riparia
~~Zanthoxylum americanum~~

Additional species:

Equisetum hyemale
Agropyron
Rhynchospora
Carpinus car.
Viola conspersa
Spiraea alba
~~*Pyrus melanocarpa*~~
Vitis vulpina
Iris versicolor
Gonolobus lupulina
~~*Ilex*~~ *verticillata*