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Site 4057: Ixonia, Jefferson County, Township 8N, Range 16E, Section 23. 1952-07-14

[s.l.]: [s.n.], 1952-07-14

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STAND RECORD

FORESTS

Stand No. 4057

Name: *Ixonia*County: *Jefferson*Date: *July 14, 1952*Size of Stand: *12-15 A*Forest Type: *Flood plain hard woods*Topography: *Uneven with overflow depressions*

Locality:

T: *8N*R: *16E*Sec: *23*Observers: *Ward, Ware, Bray*Size of Area Sampled: *12-15 A*

Soil Type:

Slope:

Directions

NW: SW

Condition of Stand: *Scattered groups of trees in low places along overflow channels. Apparently selective cutting, mostly of ash. Not a good unit for study, but excellent for overflow effects study.*

Soft maple 10' 7" circum, 10" soft maple even, bur. oak 9' 6" trunk 52"

Open Grown Trees:

75% 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									

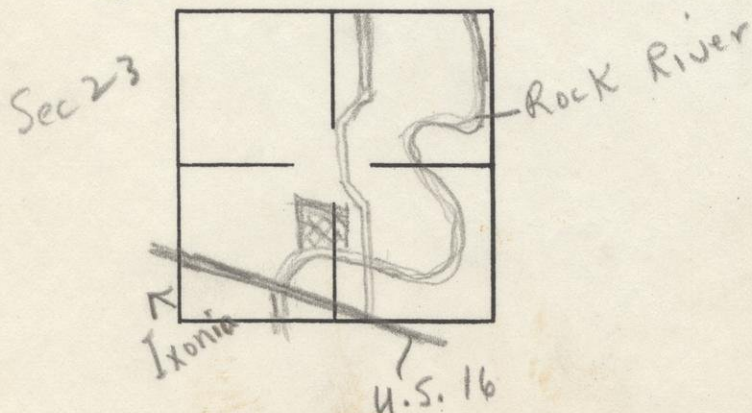
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>little or none</i>
A ₁	<i>6-8 sandy, very dark throughout depth of A₁</i>
A ₂	<i>becoming lighter in color + a bit more clayey</i>
B	

Parent Material:

Map:



STATION NO.	1	2	3	4	5	6	7	8	9	10				
Acer negundo														
A. saccharinum	45 90	✓	✓	90 23	1		70	280 860	170 45	50 420				
A. saccharum														
Betula nigra														
Carya cordiformis														
Celtis occidental-														
Crataegus sp.														
Fraxinus americ.	170		1 110		35	35		2		1				
F. nigra														
F. pensylvanica														
Gleditsia triacan.														
Gymnocladus dioica														
Juglans cinerea														
Platanus occident.														
Populus deltoides														
P. tremuloides														
Prunus serotina														
Quercus bicolor														
Q. rubra macro						500								
Robinia pseudo.														
Salix nigra														
Tilia americana														
Ulmus americana														
U. rubra		140 310	26	2	60	3	50	2	✓	170	110	✓	1	
Distance	21	38	✓	101	✓	30	29	49	31	✓	32	✓	47	34

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo										
A. saccharinum	160	85	1150			580		120	1	23
A. saccharum										
Betula nigra										
Carya cordiformis										
Celtis occident.										
Crataegus sp.										
Fraxinus americ.	1		1						210	
F. nigra										
F. pennsylvanica										
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										
U. rubra	85	55	35	100	30	40	30	25	35	20
Distance	12 1/2	9	22	30	25 1/2	20	5 1/2	15 1/2	14 1/2	20

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo		5					1145			
A. saccharinum		50 1/2					1170	600	430	25
A. saccharum		10						390		
Betula nigra								14		
Carya cordiformis										
Celtis occident.										
Crataegus sp.										
Fraxinus americ.										
F. nigra										
F. pensylvanica										
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides										
P. tremuloides										
Prunus serotina										
Quercus bicolor										
Q. rubra										
Robinia pseudo.										
Salix nigra										
Tilia americana										
Ulmus americana										
U. rubra	70 3/5	2 1/2	2 1/2	20 4/5	25 2/5	55 3/4	3 3/4	30	19	20 2/5
Distance	18	50	11 1/2	17	14 1/2	16 1/2	25	10	31	13 1/2

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo										
A. saccharinum	50	1	40	35						
A. saccharum				26						
Betula nigra				33						
Carya cordiformis										
Celtis occident.										
Crataegus sp.										
Fraxinus americ.			65							
F. nigra										
F. pensylvanica										
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides										
P. tremuloides										
Prunus serotina										
Quercus bicolor										
Q. macro.										
Robinia pseudo.										
Salix nigra										
Tilia americana										
Ulmus americana										
U. rubra	680	3	30	85	16	4	55	4	95	4
					55		50	4	60	4
								25	4	17
								17	4	4
									40	4
										17
										4
Distance	18	14 1/2	14	15	20	14	14	21 1/2	21	19 1/2

Presence or Frequency
(Common species only)

FLOOD-PLAIN HARDWOODS

Stand No. 4057

~~Quadrat No.~~

Presence

Adiantum pedatum
Agrimonia gryposepala
Allium canadense
Allium tricoccum
Amphicarpa bracteata
Anemone canadensis
Anemone virginiana
Aralia nudicaulis
Arenaria lateriflora
Arisaema atrorubens
Arisaema dracontium
Asarum canadense
Aster lateriflorus
Aster simplex
Athyrium filix-femina
Athyrium thelypteroides
Boehmeria cylindrica
Brachyelytrum erectum
Caltha palustris
Campanula americana
Carex crinita
Carex grayii
Carex intumescens
Carex lupulina
Carex normalis
Carex vupinoidea
Cephalanthus occidentalis
Cicuta maculata
Circaea quadrisulcata
Cirsium altissimum
Convolvulus sepium
Cornus femina
Cornus obliqua
Cornus rugosa
Cornus stolonifera

Corylus americana
Cryptotaenia canadensis
Desmodium glutinosum
Dioscorea villosa
Echinocystis lobata
Fragaria virginiana
Galium aparine
Galium concinnum
Galium obtusum
Galium triflorum
Geranium maculatum
Geum canadense
Glyceria striata
Hydrophyllum virginianum
Ilex verticillata
Impatiens capensis
Iris virginica
Lactuca biennis
Laportea canadensis
Leersia oryzoides
Lobelia cardinalis
Lycopus americanus
Lycopus uniflorus
Lysimachia ciliata
Lysimachia nummularia
Menispermum canadense
Onoclea sensibilis
Osmorhiza claytoni
Osmorhiza longistylis
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Physostegia virginiana
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Prenanthes alba
Ranunculus abortivus
Ranunculus septentrionalis
Rhus radicans
Ribes americanum
Ribes cynosbati
Ribes missouriense
Rorippa islandica
Rudbeckia laciniata
Rumex verticillatus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata
Smilax herbacea
Smilax tamnoides
Solanum dulcamara
Stachys palustris
Teucrium canadense
Thalictrum dasycarpum
Thalictrum dioicum
Tovara virginiana
Trillium flexipes
Uvularia sessilifolia
Veronicastrum virginianum
Viburnum lentago
Viola canadensis
Viola conspersa
Viola cucullata
Viola pubescens
Vitis riparia
Zanthoxylum americanum

Additional species:

Typha latifolia
Carex retrosa
Carex cristatella
Stachys hispida
Elymus virginicus

Galium tinctorium

Presence List
(Uncommon species)

FLOOD-PLAIN HARDWOODS

Stand No. 4057
~~Quadrat No.~~
Presence

Acorus calamus
 Actaea pachypoda
 Actaea rubra
 Agastache scrophulariaefolia
 Agropyron trachycaulum
 Alisma subcordatum
 Alnus incana
 Alnus rugosa
 Ambrosia trifida
 Amorpha fruticosa
 Anemone quinquefolia
 Anemonella thalictroides
 Angelica atropurpurea
 Apios americana
 Aralia hispida
 Aralia racemosa
 Asclepias incarnata
 Aster cordifolius
 Aster sagittifolius
 Aster shortii
 Bidens connata
 Bidens coronata
 Bidens frondosa
 Bidens vulgata
 Botrychium virginianum
 Bromus purgans
 Calamagrostis canadensis
 Carex albursina
 Carex alopecoidea
 Carex convoluta
 Carex cristata
 Carex grisea
 Carex laxiflora
 Carex molesta
 Carex muskingumensis
 Carex pensylvanica
 Carex projecta
 Carex stipata
 Carex tribuloides
 Carex typhina
 Carex vesicaria
 Cassia marilandica
 Chaetophyllum thalictroides
 Galatrus scandens
 Chaerophyllum procumbens
 Chelone glabra
 Cicuta bulbifera
 Circaea alpina
 Clematis virginiana
 Clintonia borealis

Comandra umbellata
 Cornus alternifolia
 Cuscuta sp.
 Dentaria laciniata
 Desmodium nudiflorum
 Dicentra cucullaria
 Diervilla lonicera
 Dryopteris cristata
 Dryopteris spinulosa
 Dryopteris thelypteris
 Ellisia nycetelea
 Elymus virginicus
 Epilobium palustre
 Equisetum arvense
 Equisetum hyemale
 Erigeron philadelphicus
 Erigeron pulchellus
 Erythronium albidum
 Eupatorium perfoliatum
 Eupatorium purpureum
 Eupatorium rugosum
 Euonymus atropurpureus
 Festuca obtusa
 Fragaria vesca
 Galium tinctorium
 Gerardia gradiflora
 Geum strictum
 Hackelia virginica
 Helenium autumnale
 Helianthus strumosus
 Hepatica acutiloba
 Heracleum maximum
 Hydrophyllum appendiculatum
 Hypericum ascyron
 Hypericum pyramidatum
 Hystrix patula
 Impatiens pallida
 Iris versicolor
 Isopyrum bitematum
 Juncus tenuis
 Lactuca canadensis
 Lilium michiganense
 Lilium philadelphicum
 Lilium superbum
 Lippia lanceolata
 Lonicera prolifera
 Maianthemum canadense
 Mentha arvensis
 Mertensia virginica
 Mimulus ringens

Mitella diphylla
 Monarda fistulosa
 Muhlenbergia sp.
 Napaea dioica
 Nepeta hederacea
 Oryzopsis racemosa
 Osmunda cinnamomea
 Osmunda regalis
 Oxalis europaea
 Oxalis stricta
 Parietaria pensylvanica
 Phalaris arundinacea
 Phlox pilosa
 Physocarpus opulifolius
 Pilea pumila
 Poa palustris
 Polygonatum biflorum
 Polygonatum pubescens
 Polygonum hydropiper
 Polygonum sagittatum
 Pteridium aquilinum
 Ranunculus recurvatus
 Ratibida pinnata
 Rubus allegheniensis
 Rubus occidentalis
 Rumex altissimus
 Salix amygdaloides
 Salix interior
 Sanicula marilandica
 Saxifraga pensylvanica
 Scutellaria lateriflora
 Senecio aureus
 Silphium perfoliatum
 Sium suave
 Solidago gigantea
 Solidago ulmifolia
 Spiraea alba
 Staphylea trifolia
 Stellaria longifolia
 Symplocarpus foetida
 Trientalis borealis
 Trillium grandiflorum
 Trillium recurvatum
 Triosteum perfoliatum
 Urtica dioica
 Uvularia grandiflora
 Vernonia fasciculata
 Viola renifolia
 Zizia aurea

Additional Species:

Sagittaria

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4057
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
 Cicutula maculata
 Clematis virginiana
 Cornus obliqua

Additional species:

Ribes americanum
Urtica dioica
~~*C. sp.*~~
Silene virginica

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

Aster laevis
Aster lateriflorus

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

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4057
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
 Cicutula maculata
 Clematis virginiana
 Cornus obliqua

Additional species:

Aster lateriflorus
Viola blanda
Urtica

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

Carex retrofracta
Ash seedling

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

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.4057
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
Tovara virginiana
Viburnum lentago
Viola cucullata
Vitis riparia
Xanthoxylum americanum

Additional species:

Artemisia latifolia

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4057
Quadrat No. 4

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

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:

Carex acutata
Ach. seedling

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4057
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
 Cicutula maculata
 Clematis virginiana
 Cornus obliqua

Additional species:

Chenopodium
or seedling
Vitis blanda
Asarum
Epistelella

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

Q rubra seedling
Solanum dulcamara

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.

Quadrat No. 4057

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 ? coll.
 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

Aster lateriflorus
 Lycopodium uniflorum
 Bidens frondosa
 Verbena dioica

Soft maple?
 Oak

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.4057
7

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:

Solanum dulcamara
Amorpha fruticosa
Aster lateriflorus
Cryptantha
Cnicus

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

Phalaris
Rhus americana
Galium tinctorium

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.
Quadrat No.4057
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
 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:

Aster lateriflorus
 large soft maple

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.4057
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

Additional species:

silver sph. oak

~~Panicum sp.~~

Pilea pumila

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

Bidens frondosa

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

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.

4057

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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 crinita
~~*Carex muskingumensis*~~
~~*Carex retrofracta*~~
~~*Carex vulpinoidea*~~
~~*Bidens frondosa*~~

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4057
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

Additional species:

Carex retrofracta
Aster lateriflorus
Polygonum pennsylvanicum

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

Solanum dulcamara

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
 Tovarria virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4057
Quadrat No. 12

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

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
 Tovarria virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

Additional species:

Ash seedling
 Aster lateriflorus
 Carex ~~sp.~~ retrofracta

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

 Stand No.
 Quadrat No. **4057**
 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:

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4057
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

Additional species:

Ash seedling

~~Carex~~

Bidens frondosa

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

Urtica
~~Carex longifolia~~

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.4057
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

Additional species:

Aster lateriflorus
Urtica
 Ash
Cornus petiolaris

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

Ribes americana
Viburnum blanda
 Ash - *asplenifolium*
asplenifolium

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

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.4057
16

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:

Bidens frondosa
Ash seedling

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

V. blanda
Ash single seedling

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

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.

Quadrat No. 4057
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:

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

Viola blanda
Ash seedling

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.
 Quadrat No. 4057
 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:

Viola blanda
 Aster latiflorus
 Anemone

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4057
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
 Cicutula maculata
 Clematis virginiana
 Cornus obliqua

Additional species:

Asclepias tuberosa

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

Pilea pumila

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

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HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No.
Quadrat No.

20

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:

Ash - silver maple
 Viola blanda