



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

Site 4072: New London, Outagamie County, Township 22N, Range 15E, Section 7. 1953-07-01

[s.l.]: [s.n.], 1953-07-01

<https://digital.library.wisc.edu/1711.dl/LQ4FEFW6KUPG58P>

This material may be protected by copyright law (Title 17, US Code).

For information on re-use see:

<http://digital.library.wisc.edu/1711.dl/Copyright>

The libraries provide public access to a wide range of material, including online exhibits, digitized collections, archival finding aids, our catalog, online articles, and a growing range of materials in many media.

When possible, we provide rights information in catalog records, finding aids, and other metadata that accompanies collections or items. However, it is always the user's obligation to evaluate copyright and rights issues in light of their own use.

STAND RECORD

FORESTS

Stand No. 4072

Name: *New London*County: *Outagamie*Date: *July 19, 1953*Size of Stand: *10A*Forest Type: *Floodplain hardwoods*Topography: *Sandy natural levee and slough*Condition of Stand: *along Embarrass River*
In fair condition, but not very wide.

Locality:

T: *22N* R: *15E* Sec: *7*Observers: *Ware, Anderson*Size of Area Sampled: *10A*

Soil Type:

Slope:

Directions: *NN-NW*

Open Grown Trees:

85 % 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	_____	_____	_____	_____	_____	_____	_____	_____	_____

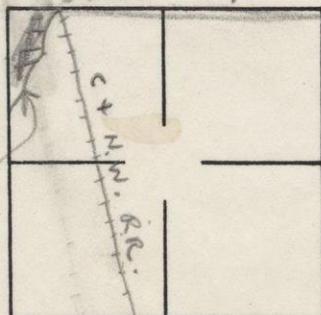
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	_____	<i>Little or none</i>	_____
A ₁	<i>1-4"</i>	<i>on ridges</i>	<i>- no profile on natural terrace or slough</i>
A ₂	_____	<i>Pure sand</i>	_____
B	_____	_____	_____

Parent Material:

Map:



STATION NO.	1	2	3	4	5	6	7	8	9	10
✓ Acer negundo										
✓ A. saccharinum	1	70		350 110	40 35	1	120 135		180 85"	45 2 60 2
A. saccharum										
Betula nigra										
Carya cordiformis										
Celtis occidentalis										
Crataegus sp.										
✓ Fraxinus americ.	150 170	1	40 4	45 35	2	1	40 45	4	65 35	3
F. nigra										
F. pensylvanica										
Gleditsia triacanth.										
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				1						
Distance	21'	25'	13'	16 1/2'	26'	14 1/2'	20'	14'	35'	10'

no
sapling

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo										
A. saccharinum	210	3 45	1	1 35	12 4 90	2	2	1 95	100 3	1 60
A. saccharum										
Betula nigra										
Carya cordiformis										
Celtis occident.										
Crataegus sp.										
Fraxinus americ.	1	2 70	15 3		15	1 130	2 25		25	2
F. nigra						20	60			
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	40	1			1	3	1 50	1	2
Distance	27'	13'	15'	9'	11'	25'	22'	30'	21 1/2'	19'

Data Form No. 39
POINT RECORD TREES

Plant Ecology Research
FLOOD-PLAIN HARDWOODS

Univ. of Wisconsin
Stand No. 4072

STATION NO.	1	2	3	4	5	6	7	8	9	10	
Acer negundo											
A. saccharinum		25	2 ¹⁴ 45	2 ⁸⁵		85	1 ¹⁷⁰ 35	3 ²⁵ 65	2	1 ⁵⁰ 65	4
A. saccharum											
Betula nigra											
Carya cordiformis											
Celtis occident.											
Crataegus sp.											
Fraxinus americ.	45	2	1	130	2 ⁷⁵	1	90	1	20		
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	75	2 ¹⁸	1	1	1	40	3	1	1	30	
Crataegus			1								
Distance	21'	13	15	8'	10	10	16'	11'	13	14	

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo										
A. saccharinum	210	22 140	55 3			240	290		100 80	75
A. saccharum										
Betula nigra										
Carya cordiformis										
Celtis occident.										
Crataegus sp.										
Fraxinus americ.	20 3	4		55	80 45	25	1 14	20 40	1	40
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			35 1	40 4						4
U. rubra										
Distance	19'	18	12'	11'	13'	12'	10	9	15'	20

Presence or Frequency
(Common species only)

FLOOD-PLAIN HARDWOODS

Stand No. 4072
Quadrat No.

Presence

<i>Adiantum pedatum</i>	<i>Corylus americana</i>	<i>Polygonatum canaliculatum</i>
<i>Agrimonia gryposepala</i>	<i>Cryptotaenia canadensis</i>	<i>Prenanthes alba</i>
<i>Allium canadense</i>	<i>Desmodium glutinosum</i>	<i>Ranunculus abortivus</i>
<i>Allium tricoccum</i>	<i>Dioscorea villosa</i>	<i>Ranunculus septentrionalis</i>
<i>Amphicarpa bracteata</i>	<i>Echinocystis lobata</i>	<i>Rhus radicans</i>
<i>Anemone canadensis</i>	<i>Fragaria virginiana</i>	<i>Ribes americanum</i>
<i>Anemone virginiana</i>	<i>Galium aparine</i>	<i>Ribes cynosbati</i>
<i>Aralia nudicaulis</i>	<i>Galium concinnum</i>	<i>Ribes missouriense</i>
<i>Arenaria lateriflora</i>	<i>Galium obtusum</i>	<i>Rorippa islandica</i>
<i>Arisaema atrorubens</i>	<i>Galium triflorum</i>	<i>Rudbeckia laciniata</i>
<i>Arisaema dracontium</i>	<i>Geranium maculatum</i>	<i>Rumex verticillatus</i>
<i>Asarum canadense</i>	<i>Geum canadense</i>	<i>Sambucus canadensis</i>
<i>Aster lateriflorus</i>	<i>Glyceria striata</i>	<i>Sanguinaria canadensis</i>
<i>Aster simplex</i>	<i>Hydrophyllum virginianum</i>	<i>Sanicula gregaria</i>
<i>Athyrium filix-femina</i>	<i>Ilex verticillata</i>	<i>Smilacina racemosa</i>
<i>Athyrium thelypteroides</i>	<i>Impatiens capensis</i>	<i>Smilacina stellata</i>
<i>Boehmeria cylindrica</i>	<i>Iris virginica</i>	<i>Smilax ecirrhata</i>
<i>Brachyelytrum erectum</i>	<i>Lactuca biennis</i>	<i>Smilax herbacea</i>
<i>Caltha palustris</i>	<i>Laportea canadensis</i>	<i>Smilax tamnoides</i>
<i>Campanula americana</i>	<i>Leersia oryzoides</i>	<i>Solanum dulcamara</i>
<i>Carex crinita</i>	<i>Lobelia cardinalis</i>	<i>Stachys palustris</i>
<i>Carex grayii</i>	<i>Lycopus americanus</i>	<i>Teucrium canadense</i>
<i>Carex intumescens</i>	<i>Lycopus uniflorus</i>	<i>Thalictrum dasycarpum</i>
<i>Carex lupulina</i>	<i>Lysimachia ciliata</i>	<i>Thalictrum dioicum</i>
<i>Carex normalis</i>	<i>Lysimachia nummularia</i>	<i>Tovara virginiana</i>
<i>Carex vupinoidea</i>	<i>Menispermum canadense</i>	<i>Trillium flexipes</i>
<i>Cephalanthus occidentalis</i>	<i>Onoclea sensibilis</i>	<i>Uvularia sessilifolia</i>
<i>Cicuta maculata</i>	<i>Osmorhiza claytoni</i>	<i>Veronicastrum virginianum</i>
<i>Circaea quadrisulcata</i>	<i>Osmorhiza longistylis</i>	<i>Viburnum lentago</i>
<i>Cirsium altissimum</i>	<i>Parthenocissus inserta</i>	<i>Viola canadensis</i>
<i>Convolvulus sepium</i>	<i>Phlox divaricata</i>	<i>Viola conspersa</i>
<i>Cornus femina</i>	<i>Phryma leptostachya</i>	<i>Viola cucullata</i>
<i>Cornus obliqua</i>	<i>Physostegia virginiana</i>	<i>Viola pubescens</i>
<i>Cornus rugosa</i>	<i>Podophyllum peltatum</i>	<i>Vitis riparia</i>
<i>Cornus stolonifera</i>	<i>Polemonium reptans</i>	<i>Zanthoxylum americanum</i>

Additional species:

Solidago gigantea

Presence List
(Uncommon species)

FLOOD-PLAIN HARDWOODS

Stand No. 4072
 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 pennsylvanica
 Carex projecta
 Carex stipata
 Carex tribuloides
 Carex typhina
 Carex vesicaria
 Cassia marilandica
 Caulophyllum thalictroides
 Galatstrus 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 nyctelea
 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:

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
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

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:

Bromus latiglumis

Elm seedling

Aster simplex

Viola cucullata

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
Quadrat No. 2

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

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

Osmorhiza longistylis
 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:

Ulmus rubra seedling
Aster ~~sp.~~ simplex
Viola cucullata

Bromus latiglumis
Daleopsis tetralix
Crataegus seedling

Carex amphibola
var. virginica

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
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
 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
 Osunda 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:

Aster simplex
Rumex latifolius
Acer negundo seedling
Ulmus am. seedling

Viola cucullata
Ash (am) seedling

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072

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

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

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

Additional species:

Cornus rugosa
 Aster simplex
 Ash seedling am
 Elm (seedling)

Bromus latiglumis

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
Quadrat No. 5

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

Additional species:

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

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

ask seedling

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
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:

Ash (w) seedling

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
Quadrat No. 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
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:

Bromus - latifolius

Ash - Am

Vib. cucullata

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
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
 Cicutula maculata
 Clematis virginiana
 Cornus obliqua

Additional species:

Ash seedling

Bromus latifolius

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 grayii
Aster simplex

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. 4072
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
 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
 Tovara virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

Additional species:

Galopais tetrahit
Bromus latifolius
Aster simplex

Ash seedling

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
Quadrat No. 10

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

Ash seedling
 Carex alopecoidea
 Bromus latiglumis

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
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
Chaetophyllum procumbens
Chelone glabra
Cicuta maculata
Clematis virginiana
Cornus obliqua

Additional species:

Aster amplexifolius
Bromus - latiglumis
Leersia virg.

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

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. 4072
Quadrat No. 12

Acorus calamus
 Alisma subcordatum
 Amorpha fruticosa
 Anemone canadensis
 Anemone virginiana
 Angelica atropurpurea
 Arisaema atrorubens
 Arisaema dracontium
 Asarum canadense
 Asclepias incarnata
 Bidens coronata
 Bidens vulgata
 Caltha palustris
 Campanula americana
 Carex alopecoidea
 Carex crinita
 Carex grayii
 Carex intumescens
 Carex lupulina
 Carex muskingumensis
 Carex normalis
 Carex tribuloides
 Carex typhina
 Carex vesicaria
 Carex vulpinoidea
 Cassia marilandica
 Cephalanthus occidentalis
 Chaeiophyllum procumbens
 Chelone glabra
 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
 Tovara virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

Additional species:

Aster brongniartii
 Ash seedling
 Leersia virginica

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
Quadrat No. 13

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

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:

Aster simplex
Bromus
Leersia virginica

Ash seedling

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

 Stand No. 4072
 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:

Carex amphibia
Aster simplex
elm
Viola cucullata

Carex convoluta

Arenaria lateriflora

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
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

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

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

Additional species:

Baleopsis tetralix
Bromus latifolius
Viola cucullata
ash
dm

Aster simplex
Cornus rugosa

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
Quadrat No. 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

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

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

Additional species:

Carex convoluta
Viola cucullata
Aster simplex
Cornus rugosa

arenaria heterophylla

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
Quadrat No. 17

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
 Tovarua virginiana
 Viburnum lentago
 Viola cucullata
 Vitis riparia
 Xanthoxylum americanum

Additional species:

Ribes americana
 Aster multiflorus

Cornus rugosa
 Anemone latiflora

12/1

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

 Stand No. 4072
 Quadrat No. 18

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

Additional species:

Cornus rugosa
Quercus bicolor seedling
Bromus patiginus

Carex amphibia var. *virgida*
Viola cucullata
Boehmeria arifolia
 ash seedling
Arenaria latiflora
Ribes americana

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
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:

Daleopsis tetrahit
Vicia cucullata
 elm
 ash

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

Cornus rugosa
Oxalis
Aronia lat.

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

Geum strictum
Carex alopecoidea
Crataegus
Boehmeria cyl.

HERB FREQUENCY

FLOOD-PLAIN HARDWOODS

Stand No. 4072
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

Additional species:

Viola cucullata
Cornus rugosa
Aster simplex

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 amphibola
var. turgida
 Ash
 Pradagun

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

Arenaria latifolia
Bromus latifolius