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Site 4087: Blue River Sandbar, Grant County, Township 8N, Range 2W, Section 2. 1953-08-05

[s.l.]: [s.n.], 1953-08-05

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STAND RECORD

FORESTS

Stand No. 4087

Name: Blue River Sandbar

Locality: NW:NE

County: Grant

T: 8N R: 2W Sec: 2

Date: Aug 5, 1953

Observers: Ware, Anderson

Size of Stand: 3A

Size of Area Sampled: 3A

Forest Type: Floodplain hardwood

Soil Type:

Topography: Braided Sloughs

Slope: Directions

Condition of Stand:

Fragmentary, trees small. Cottonwood grove along slough with many ^{small} dead willows. Herbs under water in much of stand at time of sampling.

Open Grown Trees:

60 % 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									

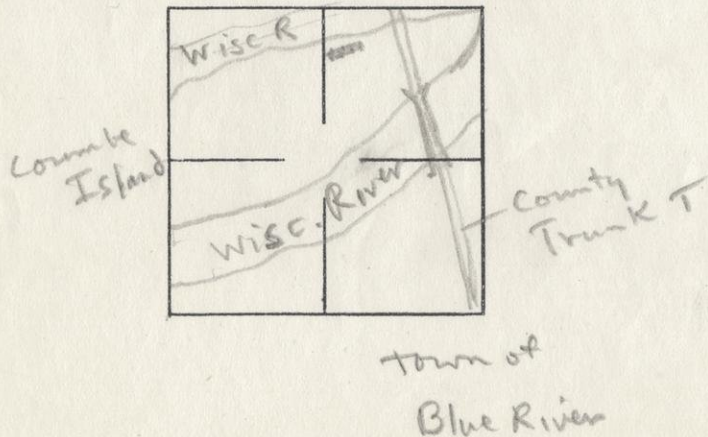
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀		Very little							
A ₁	-1"	Dark brown, sandy							
A ₂	-1"	Brown, sandy							
B		Sandy							

Parent Material: Sand

Map:



STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo										
A. saccharinum						25 20 15	20 15 15			1
A. saccharum	1									
Betula nigra										
Betula nigra Garya cordiformis					1		45 20 25	40 25	50 35 15	55
Celtis occidental.										
Crataegus sp.										
Fraxinus americ.										
F. nigra										
F. pensylvanica	1	12	3	3	2	2	2			
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides	80 90	90		65	1					
P. tremuloides										
Prunus serotina										
Quercus bicolor										
Q. rubra										
Robinia pseudo.										
Salix nigra			30	30	25	30		25		
Tilia americana										
Ulmus americana										
U. rubra amer?	2	10	1	1	12	1	2	3	3	4 25 3
Distance	8	9	35	12	13	18	17	17	20	16

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer negundo										
A. saccharinum	✓	1		30 12	12		20	1	1	3
A. saccharum										
Betula nigra			25	20	1	30	2	15	15 12 30	25
Carya cordiformis										
Celtis occidental.										
Crataegus sp.										
Fraxinus americ.										
F. nigra										
F. pensylvanica								2	1	
Gleditsia triacan.										
Gymnocladus dioica										
Juglans cinerea										
Platanus occident.										
Populus deltoides	70 20	60 20	15		20	25	55	100	130	35
P. tremuloides										
Prunus serotina										
Quercus bicolor										
Q. rubra										
Robinia pseudo.										
Salix nigra										
Tilia americana										
Ulmus americana										
U. ^{amer?} rubra					1	2			1	
Salix not.	2		3		1	2	1			
Distance	12	17	45	16	28	35	18	14	16	14

STATION NO.	1	2	3	4	5	6	7	8	9	10		
✓ Acer negundo		1										
A. saccharinum				3	1	1	60	2		[20] [18] 1		
A. saccharum												
Betula nigra			35			[25] [25]	[45] [20]	2		1		
Carya cordiformis												
Celtis occidental.												
Crataegus sp.												
Fraxinus americ.												
F. nigra												
F. pensylvanica	1		30	1		2	1		1	2		
Gleditsia triacan.												
Gymnocladus dioica												
Juglans cinerea												
Platanus occident.												
Populus deltoides		40		150 60	50 20	70		40 45	1	40 55	1	45
P. tremuloides												
Prunus serotina												
Quercus bicolor												
Q. rubra												
Robinia pseudo.												
Salix nigra												
Tilia americana												
Ulmus americana	20 16	2	12	3	3	1	1		2			
U. rubra												
Salix	1							2				3
Distance	12	14	10	15	8	12	5	21	11	29		

STATION NO.	1	2	3	4	5	6	7	8	9	10		
Acer negundo												
A. saccharinum	2	3	4	³⁰ 25	3	20	15	3	1	2	3	1
A. saccharum												
Betula nigra							20	3				
Carya cordiformis												
Celtis occident.												
Crataegus sp.												
Fraxinus americ.												
F. nigra												
F. pensylvanica							1			1		1
Gleditsia triacan.												
Gymnocladus dioica												
Juglans cinerea												
Platanus occident.												
Populus deltoides	²⁵ 40	1	²⁵ 25	22		25	35	40	70	²² 35		
P. tremuloides												
Prunus serotina												
Quercus bicolor												
Q. rubra												
Robinia pseudo.												
Salix nigra												
Tilia americana												
Ulmus americana								15				1
U. rubra												
Salix - ^{small} mix	1		20	1		4			2		²⁵ 15	1
Distance	7	10	11	13	26	10	12	8	17	14		

Presence or Frequency
(Common species only)

FLOOD-PLAIN HARDWOODS

Stand No. 4087
Quadrat No.

Adiantum pedatum
Agrimonia gryposepala
Allium canadense
Allium tricoccum
Amphicarpa tracteada
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 tannoides
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:

Presence or Frequency
(Common species only)

FLOOD-PLAIN HARDWOODS

Stand No. 4087
Quadrat No.

<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 tracteada</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 tannoides</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:

Presence or Frequency
(Common species only)

FLOOD-PLAIN HARDWOODS

Stand No. 4087
Quadrat No.

<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 tracteada</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 tannoides</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 rugose</i>	<i>Podophyllum peltatum</i>	<i>Vitis riparia</i>
<i>Cornus stolonifera</i>	<i>Polemonium reptans</i>	<i>Zanthoxylum americanum</i>

Additional species:

Presence or Frequency
(Common species only)

FLOOD-PLAIN HARDWOODS

Stand No. 4087
Quadrat No.

<i>Adiantum pedatum</i>	<i>Corylus americana</i>	<i>Polygonatum canaliculatum</i>
<i>Agrimonia grypsossepala</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 tracteada</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 tannoides</i>
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<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:

Presence or Frequency
(Common species only)

FLOOD-PLAIN HARDWOODS

Stand No. 4087
Quadrat No.

PRESENCE

<i>Adiantum pedatum</i>	<i>Corylus americana</i>	<i>Polygonatum canaliculatum</i>
<i>Agrimonia grypsossepala</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 tannoides</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:

Presence List
(Uncommon species)

FLOOD-PLAIN HARDWOODS

Stand No. 4087
Quadrat No.PRESENCE

Acorus calamus	Comandra umbellata	Mitella diphylla
Actaea pachypoda	Cornus alternifolia	Monarda fistulosa
Actaea rubra	Cuscuta sp.	Muhlenbergia sp.
Agastache scrophulariaefolia	Dentaria laciniata	Napaea dioica
Agropyron trachycaulum	Desmodium nudiflorum	Nepeta hederacea
Alisma subcordatum	Dicentra cucullaria	Oryzopsis racemosa
Alnus incana	Diervilla lonicera	Osmunda cinnamomea
Alnus rugosa	Dryopteris cristata	Osmunda regalis
Ambrosia trifida	Dryopteris spinulosa	Oxalis europaea
Amorpha fruticosa	Dryopteris thelypteris	Oxalis stricta
Anemone quinquefolia	Ellisia nyctelea	Parietaria pensylvanica
Anemonella thalictroides	Elymus virginicus	Phalaris arundinacea
Angelica atropurpurea	Epilobium palustris	Phlox pilosa
Apios americana	Equisetum arvense	Physocarpus opulifolius
Aralia hispida	Equisetum hyemale	Pilea pumila
Aralia racemosa	Erigeron philadelphicus	Poa palustris
Asclepias incarnata	Erigeron pulchellus	Polygonatum biflorum
Aster cordifolius	Erythronium albidum	Polygonatum pubescens
Aster sagittifolius	Eupatorium perfoliatum	Polygonum hydropiper
Aster shortii	Eupatorium purpureum	Polygonum sagittatum
Bidens connata	Eupatorium rugosum	Pteridium aquilinum
Bidens coronata	Euonymus atropurpureus	Ranunculus recurvatus
Bidens frondosa	Festuca obtusa	Ratibida pinnata
Bidens vulgata	Fragaria vesca	Rubus allegheniensis
Botrychium virginianum	Galium tinctorium	Rubus occidentalis
Bromus purgans	Gerardia gradiflora	Rumex altissimus
Calamagrostis canadensis	Geum strictum	Salix amygdaloides
Carex albursina	Hackelia virginica	Salix interior
Carex alopecoidea	Helenium autumnale	Sanicula marilandica
Carex convoluta	Helianthus strumosus	Saxifraga pensylvanica
Carex cristata	Hepatica acutiloba	Scutellaria lateriflora
Carex grisea	Heracleum maximum	Senecio aureus
Carex laxiflora	Hydrophyllum appendiculatum	Silphium perfoliatum
Carex molesta	Hypericum ascyron	Sium suave
Carex muskingumensis	Hypericum pyramidatum	Solidago gigantea
Carex pensylvanica	Hystrix patula	Solidago ulmifolia
Carex projecta	Impatiens pallida	Spiraea alba
Carex stipata	Iris versicolor	Staphylea trifolia
Carex tribuloides	Isopyrum biternatum	Stellaria longifolia
Carex typhina	Juncus tenuis	Symplocarpus foetida
Carex vesicaria	Lactuca canadensis	Trientalis borealis
Cassia marilandica	Lilium michiganense	Trillium grandiflorum
Caulophyllum thalictroides	Lilium philadelphicum	Trillium recurvatum
Galatstrus scandens	Lilium superbum	Triosteum perfoliatum
Chaerophyllum procumbens	Lippia lanceolata	Urtica dioica
Chelone glabra	Lonicera prolifera	Uvularia grandiflora
Cicuta bulbifera	Maianthemum canadense	Vernonia fasciculata
Circaea alpina	Mentha arvensis	Viola renifolia
Clematis virginiana	Mertensia virginica	Zizia aurea
Clintonia borealis	Mimulus ringens	

Additional Species: