



# LIBRARIES

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## **Site 4035: Black River - Trempeleau, La Crosse County, Township 18N, Range 8W, Section 21. 1951-07-22**

[s.l.]: [s.n.], 1951-07-22

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## STAND RECORD

## FORESTS

Stand No. 4035

Name:

Black River-Trempealeau

County:

La Crosse

Date:

July - 22 - 1957

Size of Stand:

Forest Type:

Topography:

Low Hardwoods

Locality:

T:

18N

R:

8W

Sec:

21

SW 1/4 of NE 1/4

Observers:

Bray, Lieberman, Anderson

Size of Area Sampled:

Soil Type:

Slope:

Directions

Condition of Stand:

dissected by wet spot. - open ditches, wet sedge meadows.  
cut - parts -

Open Grown Trees:

% Canopy:

Stumps:

1.

4.

7.

10.

2.

5.

8.

11.

3.

6.

9.

12.

blood pressure -  
38"  
30"  
40"

Soil Data:

|                | pH | N | P | K | Ca | Mg | Org. Mat. | Colloids | W.H.C. |
|----------------|----|---|---|---|----|----|-----------|----------|--------|
| A <sub>0</sub> |    |   |   |   |    |    |           |          |        |
| A <sub>1</sub> |    |   |   |   |    |    |           |          |        |
| A <sub>2</sub> |    |   |   |   |    |    |           |          |        |
| B              |    |   |   |   |    |    |           |          |        |

DEPTH

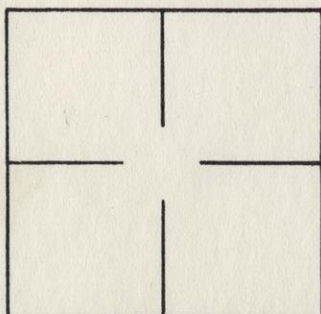
CHARACTERISTICS (Color, Texture, Structure, etc.)

|                |      |  |  |  |  |  |  |  |  |  |
|----------------|------|--|--|--|--|--|--|--|--|--|
| A <sub>0</sub> | 0    |  |  |  |  |  |  |  |  |  |
| A <sub>1</sub> | 1"   |  |  |  |  |  |  |  |  |  |
| A <sub>2</sub> | 0    |  |  |  |  |  |  |  |  |  |
| B              | sand |  |  |  |  |  |  |  |  |  |

sandy lower terrace

Parent Material:

Map:

a rattlesnake  
seen (I almost  
stepped on!)Thou extensive river terraces  
river, brick present -

Along X -

million mosquitoes / sq yard!



| STATION NO.        | 1          | 2  | 3     | 4    | 5    | 6     | 7    | 8    | 9         | 10         |
|--------------------|------------|----|-------|------|------|-------|------|------|-----------|------------|
| Acer negundo       |            |    |       |      |      |       |      |      |           |            |
| A. saccharinum     | 450<br>150 | 1  | 3 110 | 1 85 | 3    | 2 160 |      | 2 26 | 2         | 1          |
| A. saccharum       |            |    |       |      |      |       |      |      |           |            |
| Betula nigra       |            |    |       |      |      |       |      |      |           |            |
| Carya cordiformis  |            |    |       |      |      |       | 33   |      |           |            |
| Celtis occident.   |            |    |       |      |      |       |      |      |           |            |
| Crataegus sp.      | 1          |    |       |      |      |       |      |      |           |            |
| Fraxinus americ.   | 2 55       | 1  |       |      |      |       | 2    |      |           |            |
| F. nigra           |            |    |       | 40   | 1 23 | 1 50  | 2    | 30   |           |            |
| F. pensylvanica    |            |    |       |      |      |       |      |      |           |            |
| Gleditsia triacan. |            |    |       |      |      |       |      |      |           |            |
| Gymnocladus dioica |            |    |       |      |      |       |      |      |           |            |
| Juglans cinerea    |            |    |       |      |      |       |      |      |           |            |
| Platanus occident. |            |    |       |      |      |       |      |      |           |            |
| Populus deltoides  |            |    |       |      |      |       |      |      |           |            |
| P. tremuloides     |            | 20 |       |      |      |       |      |      |           |            |
| Prunus serotina    |            |    |       |      |      |       |      |      |           |            |
| Quercus bicolor    |            |    |       |      |      |       |      | 2    |           | 1          |
| Q. rubra           |            |    |       |      |      |       |      |      |           |            |
| Robinia pseudo.    |            |    |       |      |      |       |      |      |           |            |
| Salix nigra        |            |    |       |      |      |       |      |      |           |            |
| Tilia americana    |            |    |       |      |      |       |      |      |           |            |
| Ulmus americana    |            |    | 55    |      | 350  |       | 2 65 | 21   | 130<br>51 | 45<br>45 2 |
| U. rubra           |            |    |       |      |      |       |      |      |           |            |
|                    |            |    |       |      |      |       |      |      |           |            |
|                    |            |    |       |      |      |       |      |      |           |            |
|                    |            |    |       |      |      |       |      |      |           |            |
| Distance           | 370        | 20 | 140   | 190  | 230  | 350   | 220  | 42   | 200       | 15         |



| STATION NO.        | 1  | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
|--------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Acer negundo       |    |     |     |     |     |     |     |     |     |     |
| A. saccharinum     | 45 | 9   | 2   |     | 46  | 35  | 14  | 450 |     | 165 |
| A. saccharum       |    |     |     |     | 140 |     |     |     |     | 160 |
| Betula nigra       |    |     |     |     |     |     |     |     |     |     |
| Carya cordiformis  |    |     |     |     |     |     |     |     |     |     |
| Celtis occident.   |    |     |     |     |     |     |     |     |     |     |
| Crataegus sp.      |    |     |     |     |     |     |     |     |     |     |
| Fraxinus americ.   | 9  | 3   |     |     |     | 140 | 145 | 2   |     | 1   |
| F. nigra           |    |     |     | 14  | 1   |     |     |     |     |     |
| F. pensylvanica    |    |     |     |     |     |     |     |     |     |     |
| Gleditsia triacan. |    |     |     |     |     |     |     |     |     |     |
| Gymnocladus dioica |    |     |     |     |     |     |     |     |     |     |
| Juglans cinerea    |    |     |     |     |     |     |     |     |     |     |
| Platanus occident. |    |     |     |     |     |     |     |     |     |     |
| Populus deltoides  |    |     |     |     |     |     |     |     |     |     |
| P. tremuloides     |    | 18" |     |     |     |     |     |     |     |     |
| Prunus serotina    |    |     |     |     |     |     |     |     |     |     |
| ✓ Quercus bicolor  |    |     | 230 |     |     |     |     | 2   | 350 | 30  |
| Q. rubra           |    |     |     |     |     |     |     |     |     |     |
| Robinia pseudo.    |    |     |     |     |     |     |     |     |     |     |
| Salix nigra        |    |     |     |     |     |     |     |     |     |     |
| Tilia americana    |    |     |     |     |     |     |     |     |     |     |
| Ulmus americana    | 80 | 26  | 1   | 35  | 2   | 1   |     |     | 12  | 1   |
| U. rubra           |    |     |     |     |     |     |     |     |     |     |
| ✓ Ochelone         |    |     |     | 180 |     |     |     |     |     |     |
|                    |    |     |     |     |     |     |     |     |     |     |
|                    |    |     |     |     |     |     |     |     |     |     |
| Distance           | 34 | 22  | 18  | 16  | 21  | 14  | 27  | 30  | 25  | 23  |



| STATION NO.        | 1     | 2        | 3        | 4        | 5     | 6     | 7     | 8         | 9     | 10    |
|--------------------|-------|----------|----------|----------|-------|-------|-------|-----------|-------|-------|
| Acer negundo       |       |          |          |          |       |       |       |           |       |       |
| A. saccharinum     |       |          |          |          | 120   |       | 40    | 250<br>65 |       |       |
| A. saccharum       |       |          |          |          |       |       |       |           |       |       |
| Betula nigra       |       |          |          |          |       |       |       |           |       |       |
| Carya cordiformis  |       |          |          |          | 3     | 15    |       |           |       |       |
| Celtis occident.   |       |          |          |          |       |       |       |           |       |       |
| Crataegus sp.      |       |          |          |          |       |       |       |           |       |       |
| Fraxinus americ.   |       |          |          | 1        |       |       | 130   |           |       |       |
| F. nigra           |       | 18<br>45 |          |          |       |       | 2     |           |       |       |
| F. pensylvanica    |       |          |          |          |       |       |       |           |       |       |
| Gleditsia triacan. |       |          |          |          |       |       |       |           |       |       |
| Gymnocladus dioica |       |          |          |          |       |       |       |           |       |       |
| Juglans cinerea    |       |          |          |          |       |       |       |           |       |       |
| Platanus occident. |       |          |          |          |       |       |       |           |       |       |
| Populus deltoides  |       |          |          |          |       |       |       |           |       |       |
| P. tremuloides     |       |          |          |          |       |       |       |           |       |       |
| Prunus serotina    |       |          |          |          |       |       |       |           |       |       |
| Quercus bicolor    | 35    | 1        |          | 1        | 1     |       |       | 180<br>40 | 45    | 1     |
| Q. rubra           |       |          |          |          |       |       |       | 180<br>40 | 45    | 1     |
| Robinia pseudo.    |       |          |          |          |       |       |       |           |       |       |
| Salix nigra        |       |          |          |          |       |       |       |           |       |       |
| Tilia americana    |       |          |          |          |       |       |       |           |       |       |
| Ulmus americana    | 1     |          | 28<br>28 | 50<br>60 | 2     | 160   | 40    | 1         | 1     | 24    |
| U. rubra           |       |          |          |          |       |       |       |           |       |       |
| Quercus            | 30    | 1        |          |          |       |       |       |           |       |       |
|                    |       |          |          |          |       |       |       |           |       |       |
|                    |       |          |          |          |       |       |       |           |       |       |
| Distance           | 22 ft | 8 ft     | 20 ft    | 32 ft    | 46 ft | 18 ft | 30 ft | 16 ft     | 52 ft | 15 ft |



| STATION NO.               | 1    | 2    | 3     | 4    | 5    | 6    | 7    | 8         | 9    | 10   |
|---------------------------|------|------|-------|------|------|------|------|-----------|------|------|
| <i>Acer negundo</i>       |      |      |       |      |      |      |      |           |      |      |
| <i>A. saccharinum</i>     |      |      |       |      |      |      | 35   |           | 700  | 40   |
| <i>A. saccharum</i>       |      |      |       |      |      |      |      |           |      |      |
| <i>Betula nigra</i>       |      |      |       |      |      |      |      |           |      |      |
| <i>Carya cordiformis</i>  |      |      |       |      |      |      |      |           |      |      |
| <i>Celtis occident.</i>   |      |      |       |      |      |      |      |           |      |      |
| <i>Crataegus sp.</i>      |      |      |       |      |      |      |      |           |      |      |
| <i>Fraxinus americ.</i>   |      | 115  | 320   | 42   | 95   |      | 2    |           |      |      |
| <i>F. nigra</i>           |      |      |       |      |      |      |      |           |      | 1    |
| <i>F. pensylvanica</i>    |      |      |       |      |      |      |      |           |      |      |
| <i>Gleditsia triacan.</i> |      |      |       |      |      |      |      |           |      |      |
| <i>Gymnocladus dioica</i> |      |      |       |      |      |      |      |           |      |      |
| <i>Juglans cinerea</i>    |      |      |       |      |      |      |      |           |      |      |
| <i>Platanus occident.</i> |      |      |       |      |      |      |      |           |      |      |
| <i>Populus deltoides</i>  |      |      |       |      |      |      |      |           |      |      |
| <i>P. tremuloides</i>     |      |      |       |      |      |      |      |           |      |      |
| <i>Prunus serotina</i>    |      |      |       |      |      |      |      |           |      |      |
| <i>Quercus bicolor</i>    | 115  | 125  | 360   | 540  | 330  | 65   |      |           | 70   | 40   |
| <i>Q. rubra</i>           |      |      |       |      |      |      |      |           |      |      |
| <i>Robinia pseudo.</i>    |      |      |       |      |      |      |      |           |      |      |
| <i>Salix nigra</i>        |      |      |       |      |      |      |      |           |      |      |
| <i>Tilia americana</i>    | 55   |      |       |      |      |      |      |           |      |      |
| <i>Ulmus americana</i>    | 1    | 1    |       | 2    |      | 35   | 165  | 35<br>12" |      | 2    |
| <i>U. rubra</i>           |      |      |       |      |      |      |      |           |      |      |
|                           |      |      |       |      |      |      |      |           |      |      |
|                           |      |      |       |      |      |      |      |           |      |      |
|                           |      |      |       |      |      |      |      |           |      |      |
| Distance                  | 25ft | 24ft | 186ft | 21ft | 23ft | 10ft | 12ft | 10ft      | 20ft | 23ft |



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4035  
Quadrat No. 1

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

Additional species:

*Solidago sp?*

*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*

☒ *Dodder*  
☒ *Lupinus ciliatus*  
☒ *Johnstonia*



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4033  
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

Additional species:

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

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



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No.  
Quadrat No.

4033

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*

Additional species:

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

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



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4035

Quadrat No. 4

Sand - no plants

*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 palustre*  
*Galium aparine*  
*Galium concinnum*  
*Galium obtusum*  
*Galium tinctorium*  
*Geranium maculatum*  
*Geum canadense*  
*Glyceria nervata*  
*Helenium autumnale*  
*Hypericum pyramidatum*  
*Ilex verticillata*  
*Impatiens capensis*  
*Iris virginica*  
*Juncus tenuis*  
*Laportea canadensis*  
*Leersia oryzoides*  
*Lippia lanceolata*  
*Lobelia cardinalis*  
*Lycopus americana*  
*Lycopus uniflorus*  
*Lysimachia ciliata*  
*Menispermum canadense*  
*Mertensia virginica*  
*Mimulus ringens*  
*Muhlenbergia sp.*  
*Napaea dioica*  
*Onoclea sensibilis*

*Osmorhiza longistylis*  
*Osunda regalis*  
*Parthenocissus inserta*  
*Phlox divaricata*  
*Physostegia virginiana*  
*Poa palustris*  
*Polygonatum canaliculatum*  
*Polygonum sagittatum*  
*Ranunculus 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. 4035  
Quadrat No. 5Sandy - no plant  
excl. 1/2  
seed

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  
 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



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No.  
Quadrat No.

4035

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*

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



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No.

Quadrat No.

4035

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:



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 403  
Quadrat No. 8

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

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

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

Additional species:

solidago  
 lanc. c.  
 toothed  
 leaves



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No.

Quadrat No.

4035

9

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

Additional species:

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

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



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4035  
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  
 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  
 ✓ *pubescens*  
 Vitis riparia  
 Xanthoxylum americanum

Additional species:

Gross = Reed Canary



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No.  
Quadrat No.

4030

*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:



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4030  
Quadrat No. 12

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

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:

*Larix laricina*  
*Thuja occidentalis*



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4035  
Quadrat No. 13

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

Additional species:

Cornus stolonifera  
 ✓ Cryptotaenia canadensis  
 Echinocystis lobata  
 Ellisia nyctelea  
 Elymus virginicus  
 Epilobium palustris  
 Galium aparine  
 Galium concinnum  
 Galium obtusum  
 Galium tinctorium  
 Geranium maculatum  
 Geum canadense  
 Glyceria nervata  
 Helenium autumnale  
 Hypericum pyramidatum  
 Ilex verticillata  
 Impatiens capensis  
 Iris virginica  
 Juncus tenuis  
 ✓ Laportea canadensis  
 Leersia oryzoides  
 Lippia lanceolata  
 Lobelia cardinalis  
 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

✓ Cuscuta  
 ✓ Vicia  
 ✓ Peucedanum



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4035  
Quadrat No. 14

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

Additional species:

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

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

✓ *Solidago - larca*



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4035  
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*  
*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*  
*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*

*Asclepias*



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4035  
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*  
*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*  
*Toxaria virginiana*  
*Viburnum lentago*  
*Viola cucullata*  
*Vitis riparia*  
*Xanthoxylum americanum*

*Toxaria*



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 4035  
Quadrat No. 17

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

Additional species:

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

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



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No. 403  
Quadrat No. 18

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

*Urtica*



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No.  
Quadrat No.

4035

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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*  
*Cicuta maculata*  
*Clematis virginiana*  
*Cornus obliqua*

Additional species:

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

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

*Carex*  
*Large leaved*

*Sparganium angustifolium*



## HERB FREQUENCY

## FLOOD-PLAIN HARDWOODS

Stand No.  
Quadrat No.

4035

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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*  
*Cicuta maculata*  
*Clematis virginiana*  
*Cornus obliqua*

Additional species:

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

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

*Solidago verticillata*



## PRESENCE LIST

## SOUTHERN FLOODPLAIN FOREST

Stand No. 4035

- ✓Acer negundo
- Acer rubrum
- ✓Acer saccharinum
- Acer saccharum
- Betula lutea
- ✓Betula nigra
- ✓Carya cordiformis
- Carya ovata
- Celtis occidentalis
- ✓Crataegus
- ✓Fraxinus americana
- ✓Fraxinus nigra

- Fraxinus pennsylvanica
- Fraxinus lanceolata
- Fraxinus quadrangulata
- Gleditsia triacanthos
- Gymnocladus dioica
- Juglans cinerea
- Juglans nigra
- Ostrya virginiana
- Platanus occidentalis
- Populus deltoides
- ✓Populus tremuloides
- Prunus serotina

- ✓Prunus virginiana
- Quercus alba
- ✓Quercus bicolor
- Quercus ellipsoidalis
- Quercus macrocarpa
- Quercus rubra
- Robinia pseudoacacia
- Salix nigra
- ✓Tilia americana
- ✓Ulmus americana
- Ulmus fulva

## HERBS &amp; SHRUBS

- Acorus calamus
- Actaea pachypoda
- Adiantum pedatum
- Agrimonia gryposepala
- Alisma plantago-aquatica
- Allium canadense
- Alnus incana
- Alnus rugosa
- Ambrosia trifida
- Amorpha fruticosa
- Amphicarpa bracteata
- Anemone canadensis
- Anemone quinquefolia
- Anemone virginiana
- Anemonella thalictroides
- Apios tuberosa
- Aralia nudicaulis
- Aralia racemosa
- Arenaria lateriflora
- Arisaema atrorubens
- Arisaema dracontium
- Asarum canadense
- Asclepias incarnata
- Aster lateriflorus
- Aster paniculatus
- Athyrium angustum
- Aureolaria grandiflora
- Bidens coronata
- Bidens vulgata
- Botrychium virginianum
- Brachyelytrum erectum
- Bromus pargans
- Caltha palustris
- Campanula americana
- Carex grayii
- Cassia marilandica
- Caulophyllum thalictroides
- Cephalanthus occidentalis
- Cheirophyllum procumbens
- Chelone glabra
- ✓Cicuta maculata

- Circaea latifolia
- Cirsium altissimum
- Clematis virginiana
- Comandra umbellata
- Convolvulus sepium
- Cornus alternifolia
- ✓Cornus femina
- Cornus obliqua
- Cornus rugosa
- Cornus stolonifera
- Corylus americana
- ✓Cryptotaenia canadensis
- Cuscuta sp.
- Dentaria laciniata
- Desmodium glutinosum
- Dicentra cucullaria
- ✓Dioscorea villosa
- Dryopteris thelypteris
- Echinocystis lobata
- Ellisia nyctelea
- Elymus virginicus
- Epilobium palustre
- Erythronium albidum
- Eupatorium purpureum
- Eupatorium rugosum
- Fragaria virginiana
- Galium aparine
- Galium concinnum
- Galium obtusum
- Galium triflorum
- Geranium maculatum
- ✓Geum canadense
- Geum strictum
- Glyceria nervata
- Helianthus strumosus
- Hepatica acutiloba
- Hydrophyllum appendiculatum
- Hydrophyllum virginianum
- Hypericum ascyron
- Hystrix patula
- ✓Ilex verticillata

- ✓Anemone
- ✓Toxaria
- ✓Impatiens biflora
- ✓Iris virginica
- Juncus tenuis
- Lactuca spicata
- ✓Laportea canadensis
- Leersia oryzoides
- Lilium philadelphicum
- Lippia lanceolata
- Lobelia cardinalis
- Lonicera prolifera
- Lycopus americana
- Lycopus uniflorus
- Menispermum canadense
- Muhlenbergia sp.
- Napaea dioica
- ✓Onoclea sensibilis
- Osmorhiza claytoni
- Osmorhiza longistylis
- ✓Osmunda regalis
- Parietaria pennsylvanica
- ✓Parthenocissus vitacea
- Phlox divaricata
- Phryma leptostachya
- Physocarpus opulifolius
- Physostegia virginiana
- Pilea pumila
- Podophyllum peltatum
- Polemonum reptans
- Polygonatum commutatum
- Polygonum sagittatum
- Polygonum virginianum
- Prenanthes alba
- Ranunculus abortivus
- Ranunculus recurvatus
- ✓Ranunculus septentrionalis
- Rhus radicans
- Ribes americanum
- Ribes cynosbati
- Ribes missouriense
- Rorippa palustris
- Rubus allegheniensis

✓Bohmeria

Munzberg

Carex grayii



✓ *Rudbeckia laciniata*  
*Rumex verticillatus*  
 ✓ *Sambucus canadensis*  
*Sanguinaria canadensis*  
*Sanicula gregaria*  
*Sanicula marilandica*  
*Scutellaria lateriflora*  
*Senecio aureus*  
*Silphium perfoliatum*  
*Sium suave*  
*Smilacina racemosa*  
*Smilacina stellata*

*Smilax ecirrhata*  
 ✓ *Smilax herbacea*  
 ✓ *Smilax hispida*  
*Solidago gigantea*  
 ✓ *Solidago ulmifolia*  
*Stachys palustris*  
*Staphylea trifolia*  
 ✓ *Steironema ciliata*  
*Stellaria longifolia*  
*Teucrium canadense*  
*Thalictrum dasycarpum*  
*Thalictrum dioicum*

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

## Additional species:

*Urtica vulgaris*  
*Oxalis* sp.  
 yellow - not  
 thick  
*perfoliatus*  
*Lilium - turks cap*  
 ✓ *Green Dragon*  
*Sambucus - canadensis*

✓ wild buckwheat