



# LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

## **Site 4066: Sandy Creek, Grant County, Township 5N, Range 6W, Section 27. 1952-07-31**

[s.l.]: [s.n.], 1952-07-31

<https://digital.library.wisc.edu/1711.dl/LGUYD5FTUJ7HZ8V>

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. 4066

NW: SW

Name: Sandy Creek

County: Grant

Date: July 31, 1952

Size of Stand: 15A

Forest Type: Flood plain hardwood

Topography:

Locality:

T: 5N

R: 6W

Sec: 27

Observers: Ward, Ware, Bray

Size of Area Sampled: 10A

Soil Type:

Slope:

Directions

Condition of Stand:

Good only in patches. Several small areas of dense canopy, but some of sampled area some what open. Disturbance from both cutting and overflow.

Open Grown Trees:

80 % 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 <sub>0</sub> |    |   |   |   |    |    |           |          |        |
| A <sub>1</sub> |    |   |   |   |    |    |           |          |        |
| A <sub>2</sub> |    |   |   |   |    |    |           |          |        |
| B              |    |   |   |   |    |    |           |          |        |

DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A<sub>0</sub> none  
 A<sub>1</sub> little or no profile silty, clayey surface sandy deeper,  
 A<sub>2</sub>  
 B

Parent Material:

Map: Bagby, 2 mi.



## POINT RECORD TREES

Plant Ecology Research  
FLOOD-PLAIN HARDWOODS

① Saplings too sparse

| STATION NO.        | 1   | 2         | 3   | 4          | 5         | 6         | 7        | 8      | 9   | 10     |
|--------------------|-----|-----------|-----|------------|-----------|-----------|----------|--------|-----|--------|
| Acer negundo       |     |           | 1   | 1          | 1         |           | 1        |        |     | 119    |
| A. saccharinum     | 180 | 25<br>150 | 100 |            |           |           |          |        |     | 75     |
| A. saccharum       |     |           |     |            |           |           |          |        |     |        |
| Betula nigra       | 170 |           |     |            |           |           |          |        |     |        |
| Carya cordiformis  |     |           |     |            |           |           |          | 140    |     |        |
| Celtis occident.   |     |           |     |            |           |           |          |        |     |        |
| Crataegus sp.      |     |           |     |            |           |           |          |        |     |        |
| Fraxinus americ.   | 4   | 4         | 13  | 3          | 3         | 2         |          | 3      | 1   | 2      |
| F. nigra           |     |           |     |            |           |           |          |        |     |        |
| F. pensylvanica    |     |           |     |            |           |           |          |        |     |        |
| Gleditsia triacan. |     |           |     |            |           |           |          |        |     |        |
| Gymnocladus dioica |     |           |     |            |           |           |          |        |     |        |
| Juglans cinerea    |     |           |     |            |           |           |          |        |     |        |
| Platanus occident. |     |           |     |            |           |           |          |        |     |        |
| Populus deltoides  |     |           | 210 | 210<br>500 |           |           |          |        |     |        |
| P. tremuloides     |     |           |     |            |           |           |          |        |     |        |
| Prunus serotina    |     |           |     |            |           |           |          |        |     |        |
| Quercus bicolor    |     |           |     |            |           |           |          |        |     |        |
| Q. rubra           |     |           |     |            |           |           |          |        |     |        |
| Robinia pseudo.    |     |           |     |            |           |           |          |        |     |        |
| Salix nigra        |     |           |     |            |           |           |          |        | 200 |        |
| Tilia americana    |     |           |     |            |           |           |          |        |     |        |
| Ulmus americana    |     |           |     |            |           |           |          |        |     |        |
| U. rubra           |     |           |     |            | 150<br>70 | 290<br>33 | 50<br>55 | 115    | 170 |        |
|                    |     |           |     |            |           |           |          |        |     |        |
|                    |     |           |     |            |           |           |          |        |     |        |
|                    |     |           |     |            |           |           |          |        |     |        |
| Distance           | 20  | 9 1/2     | 13  | 27 1/2     | 16        | 13 1/2    | 18       | 17 1/2 | 19  | 25 1/2 |

| STATION NO.               | 1        | 2        | 3         | 4      | 5  | 6        | 7         | 8   | 9      | 10 |
|---------------------------|----------|----------|-----------|--------|----|----------|-----------|-----|--------|----|
| <i>Acer negundo</i>       |          |          |           |        | 95 | 1        | 2         | 14  | 4      | 3  |
| <i>A. saccharinum</i>     |          |          |           | 120    | 1  |          |           |     | 65     | 50 |
| <i>A. saccharum</i>       |          |          |           |        |    |          |           |     |        |    |
| <i>Betula nigra</i>       |          |          |           |        |    |          |           |     |        |    |
| <i>Carya cordiformis</i>  |          |          |           |        |    |          |           |     |        |    |
| <i>Celtis occident.</i>   |          |          |           |        |    |          |           |     |        |    |
| <i>Crataegus sp.</i>      |          |          |           |        |    |          |           |     |        |    |
| <i>Fraxinus americ.</i>   |          |          |           | 2      | 1  |          |           |     |        | 1  |
| <i>F. nigra</i>           |          |          |           |        |    |          |           |     |        |    |
| <i>F. pensylvanica</i>    |          |          |           |        |    |          |           |     |        |    |
| <i>Gleditsia triacan.</i> |          |          |           |        |    |          |           |     |        |    |
| <i>Gymnocladus dioica</i> |          |          |           |        |    |          |           |     |        |    |
| <i>Juglans cinerea</i>    |          |          |           |        |    |          |           |     |        |    |
| <i>Platanus occident.</i> |          |          | 1         | 2      |    |          |           |     |        |    |
| <i>Populus deltoides</i>  |          |          |           |        |    |          | 280       | 240 | 310    |    |
| <i>P. tremuloides</i>     |          |          |           |        |    |          |           |     |        |    |
| <i>Prunus serotina</i>    |          |          |           |        |    |          |           |     |        |    |
| <i>Quercus bicolor</i>    |          |          |           |        |    |          |           |     |        |    |
| <i>Q. rubra</i>           |          |          |           |        |    |          |           |     |        |    |
| <i>Robinia pseudo.</i>    |          |          |           |        |    |          |           |     |        |    |
| <i>Salix nigra</i>        |          |          |           |        |    |          |           |     |        |    |
| <i>Tilia americana</i>    |          |          |           |        |    |          |           |     |        |    |
| <i>Ulmus americana</i>    |          |          |           |        |    |          |           |     |        |    |
| <i>U. rubra</i>           | 60<br>25 | 50<br>35 | 145<br>20 | 45     | 90 | 60<br>45 | 120<br>45 |     |        |    |
|                           |          |          |           |        |    |          |           |     |        |    |
|                           |          |          |           |        |    |          |           |     |        |    |
|                           |          |          |           |        |    |          |           |     |        |    |
| Distance                  | 15       | 17       | 9 1/2     | 13 1/2 | 12 | 45       | 10 1/2    | 13  | 27 1/2 | 22 |

| STATION NO.        | 1               | 2                            | 3   | 4                            | 5   | 6        | 7                            | 8   | 9                            | 10  |
|--------------------|-----------------|------------------------------|-----|------------------------------|-----|----------|------------------------------|-----|------------------------------|-----|
| Acer negundo       | 25 <sup>4</sup> | ✓                            | 3   | 15                           | 3   | 3        | 75                           | 220 | ✓                            | 4   |
| A. saccharinum     | 210             | 150                          | 290 |                              | 260 |          |                              |     |                              |     |
| A. saccharum       |                 |                              |     |                              |     |          |                              |     |                              |     |
| Betula nigra       |                 |                              |     |                              |     |          |                              |     |                              |     |
| Carya cordiformis  |                 |                              |     |                              |     |          |                              |     |                              |     |
| Celtis occident.   |                 |                              |     |                              |     |          |                              |     |                              |     |
| Crataegus sp.      |                 |                              |     |                              |     |          |                              |     |                              |     |
| Fraxinus americ.   |                 |                              | 1   |                              | 1   |          | 1                            |     |                              |     |
| F. nigra           |                 |                              |     |                              |     |          |                              |     |                              |     |
| F. pensylvanica    |                 |                              |     |                              |     |          |                              |     |                              |     |
| Gleditsia triacan. |                 |                              |     |                              |     |          |                              |     |                              |     |
| Gymnocladus dioica |                 |                              |     |                              |     |          |                              |     |                              |     |
| Juglans cinerea    |                 |                              |     |                              |     |          |                              |     |                              |     |
| Platanus occident. |                 |                              |     |                              |     |          |                              |     |                              |     |
| Populus deltoides  |                 | 600                          |     |                              |     |          |                              |     |                              | 380 |
| P. tremuloides     |                 |                              |     |                              |     |          |                              |     |                              |     |
| Prunus serotina    |                 |                              |     |                              |     |          |                              |     |                              |     |
| Quercus bicolor    |                 |                              |     |                              |     |          |                              |     |                              |     |
| Q. rubra           |                 |                              |     |                              |     |          |                              |     |                              |     |
| Robinia pseudo.    |                 |                              |     |                              |     |          |                              |     |                              |     |
| Salix nigra        |                 |                              |     |                              |     |          |                              |     |                              |     |
| Tilia americana    |                 |                              |     |                              |     |          |                              |     |                              |     |
| Ulmus americana    |                 |                              |     |                              |     |          |                              |     |                              |     |
| U. rubra           |                 |                              | 85  | 80                           | 190 | 70<br>12 | 380<br>340                   |     | 130<br>200                   | 100 |
|                    |                 |                              |     |                              |     |          |                              |     |                              |     |
|                    |                 |                              |     |                              |     |          |                              |     |                              |     |
|                    |                 |                              |     |                              |     |          |                              |     |                              |     |
| Distance           | 18              | 26 <sup>1</sup> <sub>2</sub> | 30  | 21 <sup>1</sup> <sub>2</sub> | 21  | 7        | 21 <sup>1</sup> <sub>2</sub> | 18  | 12 <sup>1</sup> <sub>2</sub> | 18  |

Wetland  
2011/1/14

| STATION NO.        | 1         | 2         | 3          | 4         | 5      | 6      | 7   | 8          | 9   | 10     |
|--------------------|-----------|-----------|------------|-----------|--------|--------|-----|------------|-----|--------|
| Acer negundo       | 4         | 2         |            |           | 4      |        |     | 1          | 55  |        |
| A. saccharinum     |           |           |            |           | 100    | 170    | 150 |            | 150 | 190    |
| A. saccharum       |           |           |            |           |        |        |     |            |     |        |
| Betula nigra       |           |           |            |           |        |        |     |            |     |        |
| Carya cordiformis  |           |           |            |           |        |        |     |            |     |        |
| Celtis occident.   |           |           |            |           |        |        |     |            |     |        |
| Crataegus sp.      |           |           |            |           |        |        |     |            |     |        |
| Fraxinus americ.   |           |           |            |           |        |        |     |            | 2   |        |
| F. nigra           |           |           |            |           |        |        |     |            |     |        |
| F. pensylvanica    |           |           |            |           |        |        |     |            |     |        |
| Gleditsia triacan. |           |           |            |           |        |        |     |            |     |        |
| Gymnocladus dioica |           |           |            |           |        |        |     |            |     |        |
| Juglans cinerea    |           |           |            |           |        |        |     |            |     |        |
| Platanus occident. |           |           |            |           |        |        |     |            |     |        |
| Populus deltoides  |           |           |            |           |        |        |     | 290<br>140 |     | 760    |
| P. tremuloides     |           |           |            |           |        |        |     |            |     |        |
| Prunus serotina    |           |           |            |           |        |        |     |            |     |        |
| Quercus bicolor    |           |           |            |           |        |        |     |            |     |        |
| Q. rubra           |           |           |            |           |        |        |     |            |     |        |
| Robinia pseudo.    |           |           |            |           |        |        |     |            |     |        |
| Salix nigra        |           |           |            |           |        |        |     |            |     |        |
| Tilia americana    |           |           |            |           |        |        |     |            |     |        |
| Ulmus americana    |           |           |            |           |        |        |     |            |     |        |
| U. rubra           | 55<br>140 | 15<br>150 | 130<br>170 | 20<br>170 | 170    | 30     | 100 |            |     |        |
| Morus rubra        |           |           |            |           |        |        |     |            |     |        |
|                    |           |           |            |           |        |        |     |            |     |        |
|                    |           |           |            |           |        |        |     |            |     |        |
| Distance           | 30        | 7         | 16         | 15        | 15 1/2 | 27 1/2 | 16  | 15 1/2     | 26  | 26 1/2 |

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No.  
*Presence*

*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 tamnoides*  
*Solanum dulcamara*  
*Stachys palustris*  
*Teucrium canadense*  
*Thalictrum dasycarpum*  
*Thalictrum dioicum*  
*Tovara virginiana*  
*Trillium flexipes*  
*Uvularia sessilifolia*  
*Veronicastrum virginianum*  
*Viburnum lentago*  
*Viola canadensis*  
*Viola conspersa*  
*Viola cucullata*  
*Viola pubescens*  
*Vitis riparia*  
*Zanthoxylum americanum*

Additional species:

*Myosotis sylvatica*  
*Lobelia blue*

*Hackelia virginiana*

*Blechnum hederaceum (repens)*

Presence List  
(Uncommon species)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066

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 bitermum  
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:

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 1

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

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

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

Additional species:

*Apocynum androsaemifolium*  
*Equisetum hyemale*  
*Solidago gigantea*  
*Lactuca coll.*  
*Andel Comp aster simplex*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 2

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

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

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

Additional species:

*Opis rubra*

*elm seedling*  
*Aspetia hederacea*  
*Geckonia*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 3

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

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

Polygonatum canaliculatum  
Prenanthes alba  
Ranunculus abortivus  
Ranunculus septentrionalis  
Rhus radicans  
Ribes americanum  
Ribes cynosbati  
Ribes missouriense  
Rorippa islandica  
Rudbeckia laciniata  
Rumex verticillatus  
Sambucus canadensis  
Sanguinaria canadensis  
Sanicula gregaria  
Smilacina racemosa  
Smilacina stellata  
Smilax ecirrhata  
Smilax herbacea  
Smilax 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:

*Apocynum*  
~~*Asarum canadense*~~ *Eleocharis helodes*  
grass cell (bambusa-like) - *Muhlenbergia frondosa*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 4

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

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

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

Additional species:

*Solidago gigantea*  
*Glechoma hederacea*  
*Ambrosia artemisiifolia*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 5

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

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

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

Additional species:

*Heckonia hederacea*  
*Urtica dioica*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 6

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

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

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

Additional species:

*Agropyron*

*Urtica dioica*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 7

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

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

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

Additional species:

*Urtica dioica*  
*Opuntia americana*  
elm seedling  
*Helianthus strumosus*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 8

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

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

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

Additional species:

*Glechoma hederacea*  
*Vitis blanda*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 9

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

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

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

Additional species:

*Glechoma hederacea*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 10

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

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

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

Additional species:

*Hedera hederacea*  
*Urtica dioica*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 11

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

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

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

*Scutellaria lat*

Additional species

*Artisia dioica*  
*Geckonia hederacea*  
*Carex coll.*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 12

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

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

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

Additional species:

elm - silver maple seedling

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 13

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

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

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

Additional species:

Morus rubra seedling  
Glechoma hederacea  
dm seedling

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 14

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

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

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

Additional species:

*Beechnut*  
*Lederer*  
*-Circaea quadrisulcata*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 15

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

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

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

Additional species:

*Eleocharis acicularis*  
*Muhlenbergia frondosa*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 16

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

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

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

Additional species:

*Urtica dioica*  
*Solidago gigantea*  
*elm seedling*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 17

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

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

Polygonatum canaliculatum  
Prenanthes alba  
Ranunculus abortivus  
Ranunculus septentrionalis  
Rhus radicans  
Ribes americanum  
Ribes cynosbati  
Ribes missouriense  
Rorippa islandica  
Rudbeckia laciniata  
Rumex verticillatus  
Sambucus canadensis  
Sanguinaria canadensis  
Sanicula gregaria  
Smilacina racemosa  
Smilacina stellata  
Smilax ecirrhata  
Smilax herbacea  
Smilax 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:

elm - maple seedlings

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 18

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

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

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

Additional species:

*Glechoma hederacea*  
*maple seedling*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 19

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

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

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

Additional species:

*Solidago gigantea*

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4066  
Quadrat No. 20

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

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

Polygonatum canaliculatum  
Prenanthes alba  
Ranunculus abortivus  
Ranunculus septentrionalis  
Rhus radicans  
Ribes americanum  
Ribes cynosbati  
Ribes missouriense  
Rorippa islandica  
Rudbeckia laciniata  
Rumex verticillatus  
Sambucus canadensis  
Sanguinaria canadensis  
Sanicula gregaria  
Smilacina racemosa  
Smilacina stellata  
Smilax ecirrhata  
Smilax herbacea  
Smilax 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:

*Hedera hederacea*  
*Thu - maple seeds*  
*Muhlenbergia frondosa*