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## **Site 4082: Stangelville, Kewaunee County, Township 22N, Range 23E, Section 22. 1953-07-30**

[s.l.]: [s.n.], 1953-07-30

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## STAND RECORD

## FORESTS

Stand No. 4082

Name: Stangelville

Locality:

SE: NE

County: Kewaunee

T: 22N R: 23E Sec: 22

Date: July 30, 1953

Observers: Ware, Anderson

Size of Stand: 20A

Size of Area Sampled: 20A

Forest Type: Swamp conifer + hardwood

Soil Type:

Topography: very flat + low although whole area is on a plateau-like feature

Slope:

Directions

Condition of Stand:

Apparently undisturbed by cutting for many years. Lots of fallen timber with roots attached. Tall slender black ashes account for lower canopy 70 in certain places.

Open Grown Trees:

85 % Canopy:

Stumps:

|    |    |    |     |
|----|----|----|-----|
| 1. | 4. | 7. | 10. |
| 2. | 5. | 8. | 11. |
| 3. | 6. | 9. | 12. |

Soil Data:

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

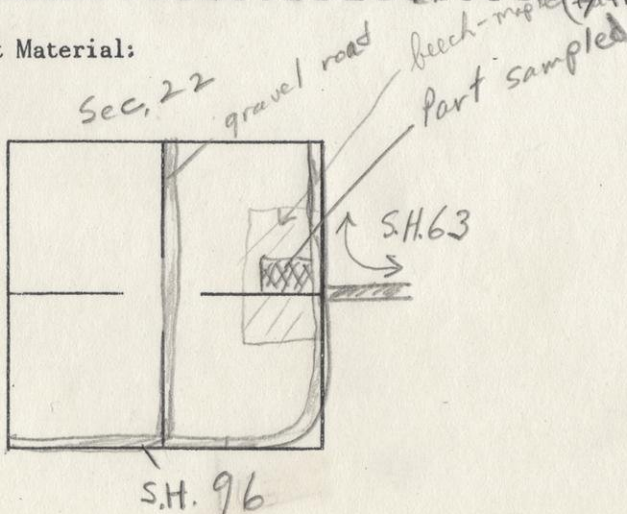
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

|                |             |                             |
|----------------|-------------|-----------------------------|
| A <sub>0</sub> | 1-2 inches  | Leaves, twigs               |
| A <sub>1</sub> | 6-12 inches | very black crumbly          |
| A <sub>2</sub> | 2-4         | grading into brownish silt  |
| B              |             | brownish silt + clay (thin) |

Parent Material:

Map:



| STATION NO.                           | 1   | 2   | 3         | 4  | 5    | 6   | 7  | 8   | 9         | 10  |
|---------------------------------------|-----|-----|-----------|----|------|-----|----|-----|-----------|-----|
| <i>enclosed</i><br>Acer negundo       |     | 2   | 1         | 2  |      |     |    |     | 1         |     |
| A. saccharinum                        |     |     |           |    |      |     |    |     |           |     |
| A. saccharum                          |     | 120 |           |    |      | 70  |    |     |           | 1   |
| <i>acer speciosum</i><br>Betula nigra |     |     |           |    |      |     | 1  |     | 2         |     |
| Carya cordiformis                     |     |     |           |    |      |     |    |     |           |     |
| Celtis occident.                      |     |     |           |    |      |     |    |     |           |     |
| Crataegus sp.                         |     |     |           |    |      |     |    |     |           |     |
| Fraxinus americ.                      |     |     |           |    |      |     |    |     |           |     |
| F. nigra                              | 140 |     |           |    |      |     | 35 | 1   |           | 36  |
| F. pensylvanica                       |     |     |           |    |      |     |    |     |           |     |
| Gleditsia triacan.                    |     |     |           |    |      |     |    |     |           |     |
| Gymnocladus dioica                    |     |     |           |    |      |     |    |     |           |     |
| <i>white cedar</i><br>Juglans cinerea |     |     |           |    |      | 2   |    | 1   |           | 1   |
| Platanus occident.                    |     |     |           |    |      |     |    |     |           |     |
| Populus deltoides                     |     |     |           |    |      |     |    |     |           |     |
| P. tremuloides                        |     |     |           |    |      |     |    |     |           |     |
| Prunus serotina                       |     |     |           |    |      |     |    |     |           |     |
| Quercus bicolor                       |     |     |           |    |      |     |    |     |           |     |
| Q. rubra                              |     |     |           |    |      |     |    |     |           |     |
| <i>balaram fir</i><br>Robinia pseudo. |     |     |           |    |      | 1   | 2  |     |           |     |
| Salix nigra                           |     |     |           |    |      |     |    |     |           |     |
| Tilia americana                       |     |     |           |    |      |     |    |     |           | 2   |
| Ulmus americana                       | 45  |     | 220<br>90 |    | 2200 | 120 | 1  | 35  |           | 130 |
| U. rubra                              |     |     |           |    |      |     |    |     |           |     |
| <i>whitespruce</i>                    | 1   |     | 1         |    |      |     |    |     |           |     |
| <i>hemlock</i>                        | 2   | 1   | 2         | 25 | 2    | 150 |    | 2   | 35<br>170 | 1   |
| <i>yellow birch</i>                   |     | 45  |           | 50 | 40   | 1   |    | 130 | 1         | 1   |
| Distance                              | 21  | 17  | 10        | 15 | 17   | 8   | 20 | 15  | 15        | 15  |

| STATION NO.                            | 1   | 2        | 3   | 4   | 5   | 6   | 7          | 8   | 9   | 10 |
|----------------------------------------|-----|----------|-----|-----|-----|-----|------------|-----|-----|----|
| Acer negundo                           |     |          |     |     |     |     |            |     |     |    |
| A. saccharinum                         |     |          |     |     |     |     |            |     |     |    |
| A. saccharum                           |     |          |     |     |     |     |            | 185 | 140 | 2  |
| <i>acer sp.</i><br>Betula nigra        |     |          | 1   |     | 2   |     |            |     | 1   |    |
| Carya cordiformis                      |     |          |     |     |     |     |            |     |     |    |
| Celtis occident.                       |     |          |     |     |     |     |            |     |     |    |
| Crataegus sp.                          |     |          |     |     |     |     |            |     |     |    |
| Fraxinus americ.                       |     |          |     |     |     |     |            |     |     |    |
| F. nigra                               |     |          | 90  |     |     | 60  |            | 110 | 2   |    |
| F. pensylvanica                        |     |          |     |     |     |     |            |     |     |    |
| Gleditsia triacan.                     |     |          |     |     |     |     |            |     |     |    |
| Gymnocladus dioica                     |     |          |     |     |     |     |            |     |     |    |
| <i>hwy</i><br>Juglans cinerea          | 2   |          | 310 | 130 | 1   | 2   |            |     | 50  |    |
| Platanus occident.                     |     |          |     |     |     |     |            |     |     |    |
| Populus deltoides                      |     |          |     |     |     |     |            |     |     |    |
| P. tremuloides                         |     |          |     |     |     |     |            |     |     |    |
| <i>white spruce</i><br>Prunus serotina |     | 1        |     |     |     | 1   |            | 1   |     |    |
| Quercus bicolor                        |     |          |     |     |     |     |            |     |     |    |
| Q. rubra                               |     |          |     |     |     |     |            |     |     |    |
| Robinia pseudo.                        |     |          |     |     |     |     |            |     |     |    |
| Salix nigra                            |     |          |     |     |     |     |            |     |     |    |
| Tilia americana                        |     |          |     |     |     |     |            |     |     |    |
| Ulmus americana                        | 110 | 1        |     | 60  | 120 |     | 110<br>180 | 170 | 100 |    |
| U. rubra                               |     |          |     |     |     |     |            |     |     |    |
| <i>yellow birch</i><br>Amelanchier     | 110 | 15<br>70 |     |     |     | 200 | 1          | 2   | 1   |    |
|                                        | 1   | 2        | 3   | 1   | 110 | 2   | 1          |     |     | 1  |
| Distance                               | 14  | 16       | 11  | 14  | 9   | 18  | 16         | 16  | 12  | 14 |

| STATION NO.                     | 1   | 2  | 3   | 4   | 5          | 6   | 7   | 8   | 9   | 10  |
|---------------------------------|-----|----|-----|-----|------------|-----|-----|-----|-----|-----|
| <i>subura</i><br>Acer negundo   |     |    |     |     |            |     | 60  |     |     | 45  |
| A. saccharinum                  |     |    |     |     |            |     |     |     |     |     |
| A. saccharum                    | 1   | 3  |     |     |            |     | 12  |     |     |     |
| <i>acer sp.</i><br>Betula nigra |     |    | 2   |     |            |     |     |     |     |     |
| Carya cordiformis               |     |    |     |     |            |     |     |     |     |     |
| Celtis occident.                |     |    |     |     |            |     |     |     |     |     |
| Crataegus sp.                   |     |    |     |     |            |     |     |     |     |     |
| Fraxinus americ.                |     |    |     |     |            |     |     |     |     |     |
| F. nigra                        | 75  |    |     | 1   | 1          |     | 65  | 2   |     |     |
| F. pensylvanica                 |     |    |     |     |            |     |     |     |     |     |
| Gleditsia triacan.              |     |    |     |     |            |     |     |     |     |     |
| Gymnocladus dioica              |     |    |     |     |            |     |     |     |     |     |
| <i>shya</i><br>Juglans cinerea  | 310 | 1  |     |     | 180<br>300 | 2   |     | 80  |     | 2   |
| Platanus occident.              |     |    |     |     |            |     |     |     |     |     |
| Populus deltoides               |     |    |     |     |            |     |     |     |     |     |
| P. tremuloides                  |     |    |     |     |            |     |     |     |     |     |
| Prunus serotina                 |     |    |     |     |            |     |     |     |     |     |
| Quercus bicolor                 |     |    |     |     |            |     |     |     |     |     |
| Q. rubra                        |     |    |     |     |            |     |     |     |     |     |
| Robinia pseudo.                 |     |    |     |     |            |     |     |     |     |     |
| Salix nigra                     |     |    |     |     |            |     |     |     |     |     |
| Tilia americana                 | 2   |    |     |     |            |     |     |     |     |     |
| Ulmus americana                 |     |    |     | 160 | 2          |     |     |     | 2   | 1   |
| U. rubra                        |     |    |     |     |            |     |     |     |     |     |
| <i>Hamlock</i>                  | 100 | 50 | 110 | 2   |            | 55  | 285 | 210 | 2   | 160 |
| <i>Yellow birch</i>             |     |    | 130 | 100 | 1          | 160 |     | 2   | 220 |     |
| <i>White pine</i>               |     |    |     |     |            |     | 11  |     |     |     |
| Distance                        | 15  | 16 | 14  | 25  | 16         | 9   | 12  | 19  | 18  | 20  |

(3)

| STATION NO.                          | 1   | 2   | 3  | 4  | 5  | 6   | 7  | 8   | 9   | 10         |
|--------------------------------------|-----|-----|----|----|----|-----|----|-----|-----|------------|
| <i>rubrum</i><br>Acer negundo        |     | 65  |    |    |    |     | 2  |     |     |            |
| A. saccharinum                       |     |     |    |    |    |     |    |     |     |            |
| A. saccharum                         |     |     |    |    |    |     |    |     |     |            |
| <i>acer spicatus</i><br>Betula nigra |     |     |    | 1  | 4  |     |    |     | 1   |            |
| Carya cordiformis                    |     |     |    |    |    |     |    |     |     |            |
| Celtis occident.                     |     |     |    |    |    |     |    |     |     |            |
| Crataegus sp.                        |     |     |    |    |    |     |    |     |     |            |
| Fraxinus americ.                     |     |     |    |    |    |     |    |     |     |            |
| F. nigra                             |     | 185 | 95 | 60 |    |     | 40 |     | 130 |            |
| F. pensylvanica                      |     |     |    |    |    |     |    |     |     |            |
| Gleditsia triacan.                   |     |     |    |    |    |     |    |     |     |            |
| Gymnocladus dioica                   |     |     |    |    |    |     |    |     |     |            |
| <i>Juglans</i><br>Juglans cinerea    | 110 | 265 | 45 | 1  | 1  |     | 2  | 3   | 1   | 2          |
| Platanus occident.                   |     |     |    |    |    |     |    |     |     |            |
| Populus deltoides                    |     |     |    |    |    |     |    |     |     |            |
| P. tremuloides                       |     |     |    |    |    |     |    |     |     |            |
| Prunus serotina                      |     |     |    |    |    |     |    |     |     |            |
| Quercus bicolor                      |     |     |    |    |    |     |    |     |     |            |
| Q. rubra                             |     |     |    |    |    |     |    |     |     |            |
| Robinia pseudo.                      |     |     |    |    |    |     |    |     |     |            |
| Salix nigra                          |     |     |    |    |    |     |    |     |     |            |
| Tilia americana                      |     |     |    | 2  | 90 | 160 | 1  |     |     |            |
| Ulmus americana                      |     |     |    |    |    |     | 50 | 170 |     | 300<br>190 |
| U. rubra                             |     |     |    |    |    |     |    |     |     |            |
| <i>hemlock</i><br>hemlock            | 160 | 2   | 2  | 1  | 40 |     |    | 50  | 80  | 2          |
| <i>yellow birch</i><br>yellow birch  |     |     |    | 1  |    | 230 | 1  | 1   |     | 2          |
| <i>white spruce</i><br>white spruce  |     |     |    |    |    |     |    | 1   |     |            |
| Distance                             | 12  | 14  | 14 | 15 | 9  | 13  | 15 | 21  | 16  | 19½        |

(4)

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4082  
Quadrat No.

PRESENCE

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 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:

*Clintonia borealis*  
*Tormentalis borealis*  
*Lonicera canadensis*

Presence List  
(Uncommon species)

## FLOOD-PLAIN HARDWOODS

Stand No. 4082  
Quadrat No.

PRESENCE

Acorus calamus  
Actaea pachypoda  
Actaea rubra  
Agastache scrophulariaefolia  
Agropyron trachycaulum  
Alisma subcordatum  
Alnus incana  
Alnus rugosa  
Ambrosia trifida  
Amorpha fruticosa  
Anemone quinquefolia  
Anemonella thalictroides  
Angelica atropurpurea  
Apios americana  
Aralia hispida  
Aralia racemosa  
Asclepias incarnata  
Aster cordifolius  
Aster sagittifolius  
Aster shortii  
Bidens connata  
Bidens coronata  
Bidens frondosa  
Bidens vulgata  
Botrychium virginianum  
Bromus purgans  
Calamagrostis canadensis  
Carex albursina  
Carex alopecoidea  
Carex convoluta  
Carex cristata  
Carex grisea  
Carex laxiflora  
Carex molesta  
Carex muskingumensis  
Carex pensylvanica  
Carex projecta  
Carex stipata  
Carex tribuloides  
Carex typhina  
Carex vesicaria  
Cassia marilandica  
Chaerophyllum 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 nycetelea  
Elymus virginicus  
Epilobium palustre  
Equisetum arvense  
Equisetum hyemale  
Erigeron philadelphicus  
Erigeron pulchellus  
Erythronium albidum  
Eupatorium perfoliatum  
Eupatorium purpureum  
Eupatorium rugosum  
Euonymus atropurpureus  
Festuca obtusa  
Fragaria vesca  
Galium tinctorium  
Gerardia gradiflora  
Geum strictum  
Hackelia virginica  
Helenium autumnale  
Helianthus strumosus  
Hepatica acutiloba  
Heracleum maximum  
Hydrophyllum appendiculatum  
Hypericum ascyron  
Hypericum pyramidatum  
Hystrix patula  
Impatiens pallida  
Iris versicolor  
Isopyrum 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. 4082  
Quadrat No.

1-5

Adiantum pedatum  
Agrimonia gryposepala  
Allium canadense  
Allium tricoccum  
Amphicarpa bracteata  
Anemone canadensis  
Anemone virginiana  
Aralia nudicaulis 45  
Arenaria lateriflora  
Arisaema atrorubens 4  
Arisaema dracontium  
Asarum canadense  
Aster lateriflorus  
Aster simplex  
Athyrium filix-femina  
Athyrium thelypteroides  
Boehmeria cylindrica  
Brachyelytrum erectum  
Caltha palustris 2  
Campanula americana  
Carex crinita  
Carex grayii  
Carex intumescens  
Carex lupulina  
Carex normalis  
Carex vupinoidea  
Cephalanthus occidentalis  
Cicuta maculata  
Circaea quadrisulcata 45  
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 4  
Geranium maculatum  
Geum canadense  
Glyceria striata  
Hydrophyllum virginianum  
Ilex verticillata  
Impatiens capensis 12345  
Iris virginica  
Lactuca biennis  
Laportea canadensis  
Leersia oryzoides  
Lobelia cardinalis  
Lycopus americanus  
Lycopus uniflorus 24  
Lysimachia ciliata  
Lysimachia nummularia  
Menispermum canadense  
Onoclea sensibilis  
Osmorhiza claytoni  
Osmorhiza longistylis  
Parthenocissus inserta 1  
Phlox divaricata  
Phryma leptostachya  
Physostegia virginiana  
Podophyllum peltatum  
Polemonium reptans

Polygonatum canaliculatum  
Prenanthes alba  
Ranunculus arbortivus  
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:

Dryopteris 124  
Hack ash 1234  
elm 12  
Rubus dew 1234  
Scutellaria lat 23  
Maianthemum 25  
Carex deweyana 3

Aster lat 3  
Dryopteris spin 124  
Dryopteris thelypteris x

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4082  
Quadrat No.  
6-10

Adiantum pedatum  
Agrimonia gryposepala  
Allium canadense  
Allium tricoccum  
Amphicarpa bracteata  
Anemone canadensis  
Anemone virginiana  
Aralia nudicaulis  
Arenaria lateriflora  
Arisaema atrorubens 3  
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 quadrifida 235  
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 3  
Geranium maculatum  
Geum canadense  
Glyceria striata  
Hydrophyllum virginianum  
Ilex verticillata  
Impatiens capensis 23  
Iris virginica  
Lactuca biennis  
Laportea canadensis  
Leersia oryzoides  
Lobelia cardinalis  
Lycopus americanus  
Lycopus uniflorus 25  
Lysimachia ciliata  
Lysimachia nummularia  
Menispermum canadense  
Onoclea sensibilis  
Osmorhiza claytoni  
Osmorhiza longistylis  
Parthenocissus inserta 34  
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:

Dryopteris sp. 235

Viola pubescens  
elm 24

Carex pedunculata - 2

Ash 24

Dryopteris thelypteris 135

Rumex crispus 2

Maianthemum 2  
Pilea 2

Mitchella 3

Acer spicatum 3  
Rubus dens 45

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4082  
Quadrat No.

11-15

Adiantum pedatum  
Agrimonia gryposepala  
Allium canadense  
Allium tricoccum  
Amphicarpa bracteata  
Anemone canadensis  
Anemone virginiana  
Aralia nudicaulis 45  
Arenaria lateriflora  
Arisaema atrorubens  
Arisaema dracontium  
Asarum canadense  
Aster lateriflorus  
Aster simplex  
Athyrium filix-femina  
Athyrium thelypteroides  
Boehmeria cylindrica  
Brachyelytrum erectum  
Caltha palustris 345  
Campanula americana  
Carex crinita  
Carex grayii  
Carex intumescens  
Carex lupulina  
Carex normalis  
Carex vupinoidea  
Cephalanthus occidentalis  
Cicuta maculata  
Circaea quadrangulata  
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 245  
Hydrophyllum virginianum  
Ilex verticillata  
Impatiens capensis 13  
Iris virginica  
Lactuca biennis  
Laportea canadensis  
Leersia oryzoides  
Lobelia cardinalis  
Lycopus americanus  
Lycopus uniflorus 1345  
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 14  
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:

Dryopteris sp. 14  
Scutellaria lat 15  
Rubus idaeus 14  
Scutellaria 3  
black ash 345  
elm 35  
Carex deweyana 4  
Viola pub. 5  
M. l. 5  
diphylla

Presence or Frequency  
(Common species only)

## FLOOD-PLAIN HARDWOODS

Stand No. 4082  
Quadrat No.

16-20

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 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:

Rubus dew 1 ✓ 34  
Viola pub 14  
ash 135  
Viola pub 1  
Dry oct spin 145  
Acer spicatum 1  
Aster lateriflorus 1

Aralia racemosa 2  
Scutellaria lat 2-4  
Athyrium angustum 2  
Acer spicatum 3  
Maianthemum 3  
Carex intumescens 3  
Mullein 3  
Lupinus

Uvularia grand 3  
elm 45