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## Site 1128: Dane County, Belle Isle #2. 1950

[s.l.]: [s.n.], 1950

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IV

FOREST SURVEYSTATION RECORD

Stand No: Name: Belle Isle #2  
 County: Dane T: R: Sec: Locality: Belle Isle  
 Date: 5/20/50 Observers:  
 Size of Stand: 30 acres Size of Area Sampled:  
 Forest Type: Oak - Basswood Soil Type:  
 Topography: Gentle slope to S.E.  
 Condition of Stand: Good - no disturbance

Open Grown Trees: None  
 Stumps: None

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

## Soil

| Sample No:           | pH  | N   | P   | K   | Colloids | Vol/wt | WHC |
|----------------------|-----|-----|-----|-----|----------|--------|-----|
| A <sub>0</sub> _____ | --- | --- | --- | --- | _____    | ---    | --- |
| A <sub>1</sub> _____ | --- | --- | --- | --- | _____    | ---    | --- |
| A <sub>2</sub> _____ | --- | --- | --- | --- | _____    | ---    | --- |

Depth Characteristics (Color, texture, etc.)

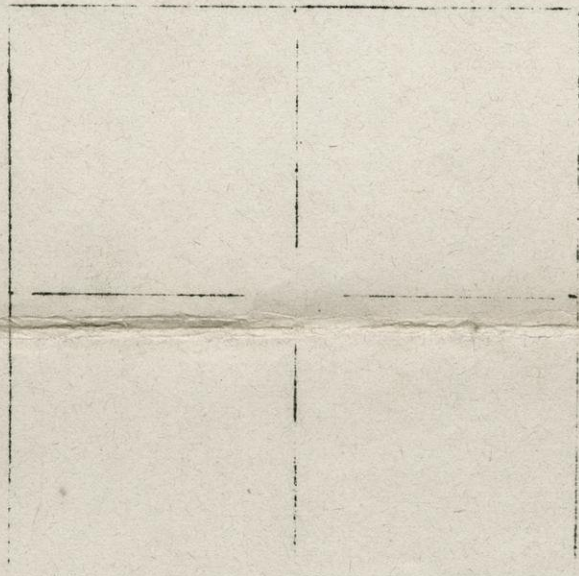
A<sub>0</sub>\_\_\_\_\_A<sub>1</sub>\_\_\_\_\_A<sub>2</sub>\_\_\_\_\_

B \_\_\_\_\_

Parent Material:

Remarks:

## Map





# TREE DATA SUMMARY SHEET

~~Northern Pine-Hardwoods~~

Station Number: 1128

Sapling  
D + F

| TREE                      | #<br>PTS | #<br>TRS | DOM. CLASSES |      |      | TOT.<br>DOM. | #<br>SAP | D.<br>SAP | F. %<br>SAP | F. %<br>TRS. | % SUM<br>F. TR. | D. %<br>TRS. | DOM%<br>TRS. | DFD<br>INDEX | C. I.  |
|---------------------------|----------|----------|--------------|------|------|--------------|----------|-----------|-------------|--------------|-----------------|--------------|--------------|--------------|--------|
|                           |          |          | -80          | -320 | 321  |              |          |           |             |              |                 |              |              |              |        |
| Abies bals                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| Acer rubru                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| A. sacchar                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| A. spicatu                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| Betula lut                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| B. papyrif                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| Carya cord.<br>Carpinus c | 1        | 1        | 25           | -    | -    | 25           | 29       | 34.5      | 66.7        | 4.8          | 2.9             | 2.4          | 0.5          | 5.8          | 493    |
| Frax am.<br>Fagus gran    | 1        | 1        | -            | 155  | -    | 155          | 6        | 7.1       | 14.3        | 4.8          | 2.9             | 2.4          | 3.4          | 8.7          | 56.5   |
| Frax penn<br>Ostrya vir   | -        | -        | -            | -    | -    | -            | 3        | 3.6       | 14.3        | -            |                 |              |              |              |        |
| Picea glau                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| Pinus Bank                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| J. cinerea<br>P. resinosa | 3        | 4        | 184          | 150  | -    | 334          |          |           |             | 14.3         | 8.6             | 9.5          | 7.3          | 25.4         | 165.0  |
| J. nigra<br>P. Strobus    | 3        | 3        | 158          | -    | -    | 158          |          |           |             | 14.3         | 8.6             | 7.1          | 3.5          | 19.2         | 105.5  |
| Populus ba                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| P. grandid                | 1        | 1        | 26           | -    | -    | 26           |          |           |             | 4.8          | 2.9             | 2.4          | 0.6          | 5.9          | 5.9    |
| P. velutina<br>P. tremulo | 2        | 2        | -            | 605  | -    | 605          |          |           |             | 9.5          | 5.7             | 4.8          | 13.2         | 23.7         | 23.7   |
| Prunus serot<br>pen       | 1        | 2        | 46           | -    | -    | 46           | 10       | 11.9      | 33.3        | 4.8          | 2.9             | 4.8          | 1.0          | 8.7          | 30.4   |
| Quercus alba<br>el        | 2        | 3        | -            | 570  | -    | 570          |          |           |             | 9.5          | 5.7             | 7.1          | 12.5         | 25.3         | 101.5  |
| Q. rubra                  | 3        | 3        | -            | -    | 1375 | 1375         | 1        | 1.2       | 4.8         | 14.3         | 8.6             | 7.1          | 30.1         | 45.8         | 275.0  |
| Tilia amer                | 4        | 4        | 75           | 224  | -    | 299          | 20       | 23.8      | 47.6        | 19.1         | 11.5            | 9.5          | 6.5          | 27.5         | 207.0  |
| Tsuga cana                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| Thuja occi                |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
| Ulmus amer                | 1        | 1        | 21           | -    | -    | 21           |          |           |             | 4.8          | 2.9             | 2.4          | 0.5          | 5.8          | 23.2   |
| U. fulva                  | 13       | 17       | 435          | 525  | -    | 960          | 12       | 14.3      | 38.1        | 61.9         | 37.1            | 40.5         | 21.0         | 98.6         | 691.0  |
| Prun. virgin              |          |          |              |      |      |              | 1        | 1.2       | 4.8         | -            |                 | 1.2          |              |              |        |
| Rhus typhina              |          |          |              |      |      |              | 2        | 2.4       | 4.8         | -            |                 |              |              |              |        |
|                           |          |          |              |      |      |              |          |           |             |              |                 |              |              |              |        |
|                           |          | 42       |              |      |      | 4574         | 84       |           |             | 166.9        |                 |              |              |              | 1734.0 |

AVE. DIST. BTW'N TREES:

AVE B.

A. :

# TREES/ACRE:

DOM. / ACRE :

# of trees

AVE B. A.: ↑

Tot. dom. of 42 trees

# of saplings

Ave

: ↑  
# of saplings.

$$\text{Ave } BA = 108.9$$



Belle Isle #2 5/20/50

21 graduates

*Ulmus fulva* ## H# III

(13)

28  
42  
50  
22  
45  
45  
21  
16  
65  
40  
32  
29  
435

100  
90  
120  
85  
130  
525  
435  
960

17

2, 2, 1, 2, 1, 2, 1, 1

8  
F

(12) D

*Q. rubra* III

(3)

3

495  
405  
480  
1375

1

(1)

1

*Q. alba* II

(2)

140  
240  
190

3

*Q. velutina* II

(2)

570

310  
295  
605

2

*Tilia* IIII

(4)

55  
20  
75

130  
94  
224  
75  
299

4

1, 1, 1, 1, 3, 1, 1, 4, 4, 3

(20)

10

*P. serotina* I

(1)

26  
20  
46

2

1, 2, 1, 1, 1, 2, 2

(10)

7

*Juglans cinerea* III

(3)

75  
39  
70  
184

150  
154  
334

4

*C. cordiformis* I

(1)

25

1

1, 4, 2, 1, 2, 1, 1, 4, 1, 1, 3, 3, 1, 4

(29)

14

*Frax. americana* I

(1)

155

1

2, 2, 2

(6)

3

*Frax. penn.*

1, 1, 1

(3)

3

*P. grandidentata* I

(1)

26

1

*U. americana* I

(1)

21

1

*J. nigra* III

(3)

65 63  
30  
158

3

*Rhus typhina*

2

1

*A. virginiana*

1

1



## I Hardwood Survey

## Presence &amp; Station Record

Stand No.:

| Tree            | BA | S | Tree            | BA | S | Tree            | DA | S |
|-----------------|----|---|-----------------|----|---|-----------------|----|---|
| ✓Acer negundo   |    |   | Fagus grandif.  |    |   | ✓Prunus virgin. |    |   |
| A. rubrum       |    |   | ✓Fraxinus amer. |    |   | ✓Quercus alba   |    |   |
| A. saccharinum  |    |   | F. nigra        |    |   | Q. bicolor      |    |   |
| A. saccharum    |    |   | ✓F. pennsylvan. |    |   | Q. ellipsoid.   |    |   |
| Amelanchier sp. |    |   | Juglans cinere  |    |   | Q. macrocarpa   |    |   |
| Betula lutea    |    |   | J. nigra        |    |   | ✓Q. rubra       |    |   |
| B. nigra        |    |   | Ostrya virgin.  |    |   | ✓Q. velutina    |    |   |
| B. papyrifera   |    |   | Populus deltoi  |    |   | Robinia pseudo  |    |   |
| Carpinus carol  |    |   | P. grandident.  |    |   | Sorbus americ.  |    |   |
| ✓Carya cordifor |    |   | P. tremuloides  |    |   | ✓Tilia american |    |   |
| C. ovata        |    |   | Prunus americ.  |    |   | ✓Ulmus american |    |   |
| Celtis occiden  |    |   | P. pennsylvan.  |    |   | ✓U. fulva       |    |   |
| Crataegus sp.   |    |   | ✓P. serotina    |    |   | ✓U. thomasi     |    |   |

Distance:

| Actaea sp.           |  |  | Shrubs & Herbs       |  |  |                        |  |  |
|----------------------|--|--|----------------------|--|--|------------------------|--|--|
| Adiantum pedat.      |  |  | Eupatorium purpur.   |  |  | ✓Polygonatum commut.   |  |  |
| Agrimonia gryp.      |  |  | Eupatorium rugosum   |  |  | ✓Polygonatum pubesc.   |  |  |
| ✓Allium tricocc.     |  |  | Festuca obtusa       |  |  | Polygonum virgin.      |  |  |
| Amphicarpa brac.     |  |  | ✓Fragaria virgin.    |  |  | Potentilla simpl.      |  |  |
| ✓Anemone quinque.    |  |  | ✓Galium aparine      |  |  | ✓Prenanthes alba       |  |  |
| A. virginiana        |  |  | G. circaeazans       |  |  | Pteridium aquil.       |  |  |
| Anemonella thal.     |  |  | ✓G. concinnum        |  |  | Pyrola elliptica       |  |  |
| Antennaria sp.       |  |  | G. lanceolatum       |  |  | ✓Ranunculus abort.     |  |  |
| Aplectrum hiem.      |  |  | ✓G. triflorum        |  |  | R. recurvatus          |  |  |
| Apocynum andros.     |  |  | ✓Geranium macul.     |  |  | ✓R. septentrion.       |  |  |
| Aquilegia canad.     |  |  | ✓Geum canadense      |  |  | ✓Rhus radicans         |  |  |
| ✓Aralia nudicaul.    |  |  | Goodyera pubesc.     |  |  | ✓Ribes americanum      |  |  |
| A. racemosa          |  |  | Habenaria bract.     |  |  | ✓R. cynosbati          |  |  |
| Arenaria later.      |  |  | Hamamelis virg.      |  |  | R. missouriense        |  |  |
| ✓Arisaema atrop.     |  |  | ✓Helianthus strum.   |  |  | Rosa sp.               |  |  |
| Asarum canad.        |  |  | Hepatica acutil.     |  |  | Rubus alleghen.        |  |  |
| Aster macrophyll.    |  |  | Heuchera richard.    |  |  | ✓R. occidentalis       |  |  |
| ✓A. sagittifolius    |  |  | Hydrastis canad.     |  |  | R. strigosus           |  |  |
| ✓A. shortii          |  |  | ✓Hydrophyllum virg.  |  |  | ✓Sambucus canad.       |  |  |
| ✓Athyrium angust.    |  |  | ✓Hystrix patula      |  |  | ✓Sanguinaria can.      |  |  |
| Aureolaria grandif.  |  |  | Impatiens biflora    |  |  | ✓Sanicula gregaria     |  |  |
| ✓Botrychium vir.     |  |  | I. pallida           |  |  | ✓S. marilandica        |  |  |
| Brachyelytrum        |  |  | Isopyrum bitern.     |  |  | ✓Smilacina racemosa    |  |  |
| Campanula amer.      |  |  | Lactuca spicata      |  |  | S. stellata            |  |  |
| ✓Carex albursina     |  |  | Laportea canad.      |  |  | ✓Smilax ecirrhata      |  |  |
| ✓C. pennsylvan.      |  |  | Lappula virgin.      |  |  | ✓S. herbacea           |  |  |
| Caulophyllum thal.   |  |  | Lathyrus ochrol.     |  |  | ✓S. hispida            |  |  |
| Celastrus scan.      |  |  | ✓Lonicera prolif.    |  |  | Solidago altissima     |  |  |
| ✓Circaea latif.      |  |  | Lysimachia quadr.    |  |  | S. latifolia           |  |  |
| Claytonia virg.      |  |  | Maianthemum can.     |  |  | ✓S. ulmifolia          |  |  |
| Cornus altern.       |  |  | Menispermum can.     |  |  | Thalictrum dioicum     |  |  |
| ✓C. femina           |  |  | Mitella diphylla     |  |  | Trillium cernuum       |  |  |
| ✓C. rugosa           |  |  | ✓Monarda fistulosa   |  |  | T. flexipes            |  |  |
| ✓Corylus americana   |  |  | Orchis spectab.      |  |  | T. grandiflorum        |  |  |
| ✓Cryptotaenia canad. |  |  | Oryzopsis racem.     |  |  | T. recurvatum          |  |  |
| Cypripedium pubesc.  |  |  | ✓Osmorhiza clayton.  |  |  | ✓Triosteum perfoliatum |  |  |
| Cystopteris frag.    |  |  | ✓O. longistylis      |  |  | ✓Uvularia grandiflora  |  |  |
| Dentaria laciniata   |  |  | Osmunda clayton.     |  |  | ✓Veronicastrum virg.   |  |  |
| ✓Desmodium acumin.   |  |  | Panax quinquef.      |  |  | Viburnum acerifolium   |  |  |
| D. nudiflorum        |  |  | Panicum latifolium   |  |  | V. affine              |  |  |
| Dicentra cucullaria  |  |  | Parietaria pennsylv. |  |  | ✓Viola cucullata       |  |  |
| Dodecatheon meadia   |  |  | ✓Parthenocissus vit. |  |  | V. pubescens           |  |  |
| Dryopteris spinulosa |  |  | ✓Phlox divaricata    |  |  | ✓Vitis aestivalis      |  |  |
| Erigeron pulchellus  |  |  | ✓Phryma leptostachya |  |  | V. riparia             |  |  |
| ✓Erythronium albidum |  |  | ✓Podophyllum pelt.   |  |  | Zanthoxylum americ.    |  |  |
|                      |  |  | Polemonium reptans   |  |  | Zizia aurea            |  |  |



✓ *Agastache scrophul.*  
*Allium canadense*  
*Amorpha canesc.*  
*Anaphalis marg.*  
*Anemone cylindrica*  
*Arabis canadensis*  
*A. laevigata*  
*A. lyrata*  
*A. perstellata*  
*Aralia hispida*  
*Arisaema dracont.*  
*Asclepias ovalif.*  
*A. phytolaccoides*  
*Aster azureus*  
*A. paniculatus*  
*A. prenanthoides*  
*Athyrium thelypter.*  
*Besseyia bullii*  
*Boehmeria cylindr.*  
*Botrychium multif.*  
*Bromus pургans*  
*Camptosorus rhizop.*  
*Carex convoluta*  
*Ceanothus americ.*  
*Chimaphila umbell.*  
 ✓ *Cirsium altissim.*  
*Clematis virgin.*  
*Clintonia boreal.*  
*Comandra umbellata*  
*Conopholis americ.*  
*Corallorrhiza mac.*  
*Corydalis semperv.*  
*Cynoglossum offic.*  
*Cystopteris bulbif.*  
*Desmodium bracteos.*  
*D. canadense*  
*Dicentra canad.*  
*Diervilla lonicera*  
*Dioscorea villosa*  
*Dirca palustris*  
*Elymus villosus*  
*Epifagus virgin.*

*Erigeron philadel.*  
*Erythronium americ.*  
*Evonymus atropur.*  
*Floerkea prosperp.*  
*Fragaria vesca*  
*Galium boreale*  
*Gaultheria procumb.*  
*Gaylussacia baccata*  
*Gentiana quinquef.*  
*Geum virginianum*  
*Hedeoma hispida*  
*Hepatica americana*  
*Heracleum lanatum*  
*Hieracium canad.*  
*H. scabrum*  
*Hydrophyllum append.*  
*Hypoxis hirsuta*  
*Ilex verticillata*  
*Juncus tenuis*  
*Juniperus communis*  
*J. virginiana*  
*Krigia biflora*  
*Lathyrus venosus*  
*Lilium philadel.*  
*Liparis liliifolia*  
*Lobelia cardinalis*  
*Lonicera dioica*  
*L. hirsuta*  
*Luzula acuminata*  
*L. Multiflora*  
*Milium effusum*  
*Mitchella repens*  
*Monotropa uniflora*  
*Onoclea sensibilis*  
*Oryzopsis asperif.*  
*Osmunda cinnamomea*  
*Oxalis violacea*  
*Panax trifolium*  
*Paronychia canad.*  
*Pedicularis canad.*  
*Physocarpus opul.*  
*Phytolacca decand.*

*Pilea pumila*  
*Polymnia canad.*  
*Polypodium vulgare*  
*Prunella vulgaris*  
*Pteretis nodulosa*  
*Pyrus coronaria*  
*P. icensis*  
*Ranunculus fascicul.*  
*R. rhomboideus*  
*Rhus glabra*  
 ✓ *R. typhina*  
*Rubus hispidus*  
*R. pubescens*  
*Rudbeckia laciniata*  
*Salix sp.*  
*Sambucus pubens*  
*Saxifraga pennsylv.*  
*Scrophularia lan.*  
*S. marilandica*  
*Senecio balsamitae*  
*Silene stellata*  
*Solanum nigrum*  
*Solidago speciosa*  
*Staphylea trifolia*  
*Steironema ciliatum*  
*S. lanceolatum*  
*Streptopus roseus*  
*Symplocarpus foet.*  
*Taenidia integerr.*  
*Taxus canadensis*  
*Thalictrum dasycarp.*  
*Thaspium aureum*  
*Tradescantia ohio.*  
*Uvularia sessilif.*  
*Vaccinium canad.*  
*Veronica serpyllif.*  
 ✓ *Viburnum lentago*  
*V. trilobum*  
*Vicia americana*  
*Viola conspersa*  
*V. incognita*

Additional Species:



| Tree            | BA | S | Tree              | BA | S | Tree           | BA | S |
|-----------------|----|---|-------------------|----|---|----------------|----|---|
| Acer negundo    |    |   | Fagus grandif.    |    |   | Prunus virgin. |    |   |
| A. rubrum       |    |   | Fraxinus amer.    |    |   | Quercus alba   |    |   |
| A. saccharinum  |    |   | F. nigra          |    |   | Q. bicolor     |    |   |
| A. saccharum    |    |   | F. pennsylvan.    |    |   | Q. ellipsoid.  |    |   |
| Amelanchier sp. |    |   | Juglans cinere    |    |   | Q. macrocarpa  |    |   |
| Betula lutea    |    |   | J. nigra          |    |   | Q. rubra       |    |   |
| B. nigra        |    |   | Ostrya virgin.    |    |   | Q. velutina    |    |   |
| B. papyrifera   |    |   | Populus deltoi    |    |   | Robinia pseudo |    |   |
| Carpinus carol  |    |   | P. grandident.    |    |   | Sorbus americ. |    |   |
| Carya cordifor  |    | ① | P. tremuloides    |    |   | Tilia american |    |   |
| C. ovata        |    |   | Prunus americ.    |    |   | Ulmus american |    |   |
| Celtis occiden  |    |   | P. pennsylvan.    |    |   | U. fulva       |    |   |
| Crataegus sp.   |    |   | P. serotina 26.20 |    | ① |                |    |   |

Distance: 20'

| Tree                  | BA | S | Tree                 | BA | S | Tree                  | BA | S |
|-----------------------|----|---|----------------------|----|---|-----------------------|----|---|
| Actaea sp.            |    |   | Shrubs & Herbs       |    |   | Polygonatum commut.   |    |   |
| Adiantum pedat.       |    |   | Eupatorium purpur.   |    |   | Polygonatum pubesc.   |    |   |
| Agrimonia gryp.       |    |   | Eupatorium rugosum   |    |   | Polygonum virgin.     |    |   |
| ✓ Allium tricocc.     |    |   | Festuca obtusa       |    |   | Potentilla simpl.     |    |   |
| Amphicarpa brac.      |    |   | Fragaria virgin.     |    |   | Prenanthes alba       |    |   |
| Anemone quinque.      |    |   | ✓ Galium aparine     |    |   | Pteridium aquil.      |    |   |
| A. virginiana         |    |   | G. circaezans        |    |   | Pyrola elliptica      |    |   |
| Anemonella thal.      |    |   | ✓ G. concinnum       |    |   | Ranunculus abort.     |    |   |
| Antennaria sp.        |    |   | G. lanceolatum       |    |   | R. recurvatus         |    |   |
| Aplectrum hiem.       |    |   | ✓ G. triflorum       |    |   | R. septentrion.       |    |   |
| Apocynum andros.      |    |   | ✓ Geranium macul.    |    |   | Rhus radicans         |    |   |
| Aquilegia canad.      |    |   | Geum canadense       |    |   | Ribes americanum      |    |   |
| Aralia nudicaul.      |    |   | Goodyera pubesc.     |    |   | R. cynosbati          |    |   |
| A. racemosa           |    |   | Habenaria bract.     |    |   | R. missouriense       |    |   |
| Arenaria later.       |    |   | Hamamelis virg.      |    |   | Rosa sp.              |    |   |
| ✓ Arisaema atrop.     |    |   | Helianthus strum.    |    |   | Rubus alleghen.       |    |   |
| Asarum canad.         |    |   | Hepatica acutil.     |    |   | R. occidentalis       |    |   |
| Aster macrophyll.     |    |   | Heuchera richard.    |    |   | R. strigosus          |    |   |
| A. sagittifolius      |    |   | Hydrastis canad.     |    |   | Sambucus canad.       |    |   |
| A. shortii            |    |   | Hydrophyllum virg.   |    |   | ✓ Sanguinaria can.    |    |   |
| Athyrium angust.      |    |   | Hystrix patula       |    |   | ✓ Sanicula gregaria   |    |   |
| Aureolaria grandif.   |    |   | Impatiens biflora    |    |   | S. marilandica        |    |   |
| Botrychium vir.       |    |   | I. pallida           |    |   | Smilacina racemosa    |    |   |
| Brachyelytrum         |    |   | Isopyrum bitern.     |    |   | S. stellata           |    |   |
| Campanula amer.       |    |   | Lactuca spicata      |    |   | Smilax ecirrhata      |    |   |
| Carex albursina       |    |   | Laportea canad.      |    |   | S. herbacea           |    |   |
| C. pennsylvan.        |    |   | Lapoula virgin.      |    |   | S. hispida            |    |   |
| Caulophyllum thal.    |    |   | Lathyrus ochrol.     |    |   | Solidago altissima    |    |   |
| Celastrus scan.       |    |   | Lonicera prolif.     |    |   | S. latifolia          |    |   |
| ✓ Circaea latif.      |    |   | Lysimachia quadr.    |    |   | S. ulmifolia          |    |   |
| Claytonia virg.       |    |   | Maianthemum can.     |    |   | Thalictrum dioicum    |    |   |
| Cornus altern.        |    |   | Menispermum can.     |    |   | Trillium cernuum      |    |   |
| C. femina             |    |   | Mitella diphylla     |    |   | T. flexipes           |    |   |
| C. rugosa             |    |   | ✓ Monarda fistulosa  |    |   | T. grandiflorum       |    |   |
| Corylus americana     |    |   | Orchis spectab.      |    |   | T. recurvatum         |    |   |
| Cryptotaenia canad.   |    |   | Cryzopsis racem.     |    |   | Triosteum perfoliatum |    |   |
| Cypripedium pubesc.   |    |   | ✓ Osmorhiza clayton. |    |   | Uvularia grandiflora  |    |   |
| Cystopteris frag.     |    |   | O. longistylis       |    |   | Veronicastrum virg.   |    |   |
| Dentaria laciniata    |    |   | Osmunda clayton.     |    |   | Viburnum acerifolium  |    |   |
| Desmodium acumin.     |    |   | Panax quinquef.      |    |   | V. affine             |    |   |
| D. nudiflorum         |    |   | Panicum latifolium   |    |   | Viola cucullata       |    |   |
| Dicentra cucullaria   |    |   | Parietaria pennsylv. |    |   | ✓ V. pubescens        |    |   |
| Dodecatheon meadia    |    |   | Parthenocissus vit.  |    |   | Vitis aestivalis      |    |   |
| Dryopteris spinulosa  |    |   | Phlox divaricata     |    |   | V. riparia            |    |   |
| Erigeron pulchellus   |    |   | Phryma leptostachya  |    |   | Zanthoxylum americ.   |    |   |
| ✓ Erythronium albidum |    |   | ✓ Podophyllum pelt.  |    |   | Zizia aurea           |    |   |
|                       |    |   | Polemonium reptans   |    |   |                       |    |   |



| Tree                 | BA | S | Tree                      | BA | S | Tree                  | DA | S |
|----------------------|----|---|---------------------------|----|---|-----------------------|----|---|
| Acer negundo         |    |   | Fagus grandif.            |    |   | Prunus virgin.        |    |   |
| A. rubrum            |    |   | Fraxinus amer.            |    |   | Quercus alba          |    |   |
| A. saccharinum       |    |   | F. nigra                  |    |   | Q. bicolor            |    |   |
| A. saccharum         |    |   | F. pennsylvan.            |    |   | Q. ellipsoid.         |    |   |
| Amelanchier sp.      |    |   | Juglans cinere            | 75 |   | Q. macrocarpa         |    |   |
| Betula lutea         |    |   | J. nigra                  |    |   | Q. rubra              |    |   |
| B. nigra             |    |   | Ostrya virgin.            |    |   | Q. velutina           |    |   |
| B. papyrifera        |    |   | Populus deltoi            |    |   | Robinia pseudo        |    |   |
| Carpinus carol       |    |   | P. grandident.            |    |   | Sorbus americ.        |    |   |
| Carya cordifor       | 4  |   | P. tremuloides            |    |   | Tilia american        |    |   |
| C. ovata             |    |   | Prunus americ.            |    |   | Ulmus american        |    |   |
| Celtis occiden       |    |   | P. pennsylvan.            |    |   | U. fulva              | 28 |   |
| Crataegus sp.        |    |   | P. serotina               |    |   |                       |    |   |
|                      |    |   |                           |    |   | Distance:             | 20 |   |
| Actaea sp.           |    |   | <u>Shrubs &amp; Herbs</u> |    |   | Polygonatum commut.   |    |   |
| Adiantum pedat.      |    |   | Eupatorium purpur.        |    |   | Polygonatum pubesc.   |    |   |
| Agrimonia gryp.      |    |   | Eupatorium rugosum        |    |   | Polygonum virgin.     |    |   |
| Allium tricocc.      |    |   | Festuca obtusa            |    |   | Potentilla simpl.     |    |   |
| Amphicarpa brac.     |    |   | Fragaria virgin.          |    |   | Prenanthes alba       |    |   |
| X Anemone quinque.   |    |   | X Galium aparine          |    |   | Pteridium aquil.      |    |   |
| A. virginiana        |    |   | G. circaezans             |    |   | Pyrola elliptica      |    |   |
| Anemonella thal.     |    |   | X G. concinnum            |    |   | Ranunculus abort.     |    |   |
| Antennaria sp.       |    |   | G. lanceolatum            |    |   | R. recurvatus         |    |   |
| Aplectrum hiem.      |    |   | G. triflorum              |    |   | R. septentrion.       |    |   |
| Apocynum andros.     |    |   | Geranium macul.           |    |   | Rhus radicans         |    |   |
| Aquilegia canad.     |    |   | Geum canadense            |    |   | Ribes americanum      |    |   |
| Aralia nudicaul.     |    |   | Goodyera pubesc.          |    |   | R. cynosbati          |    |   |
| A. racemosa          |    |   | Habenaria bract.          |    |   | R. missouriense       |    |   |
| Arenaria later.      |    |   | Hamamelis virg.           |    |   | Rosa sp.              |    |   |
| X Arisaema atrop.    |    |   | Helianthus strum.         |    |   | Rubus alleghen.       |    |   |
| Asarum canad.        |    |   | Hepatica acutil.          |    |   | R. occidentalis       |    |   |
| Aster macrophyll.    |    |   | Heuchera richard.         |    |   | R. strigosus          |    |   |
| A. sagittifolius     |    |   | Hydrastis canad.          |    |   | Sambucus canad.       |    |   |
| A. shortii           |    |   | Hydrophyllum virg.        |    |   | X Sanguinaria can.    |    |   |
| Athyrium angust.     |    |   | Hystrix patula            |    |   | X Sanicula gregaria   |    |   |
| Aureolaria grandif.  |    |   | Impatiens biflora         |    |   | S. marilandica        |    |   |
| Botrychium vir.      |    |   | I. pallida                |    |   | X Smilacina racemosa  |    |   |
| Brachyelytrum        |    |   | Isopyrum bitern.          |    |   | S. stellata           |    |   |
| Campanula amer.      |    |   | Lactuca spicata           |    |   | Smilax ecirrhata      |    |   |
| Carex albursina      |    |   | Laportea canad.           |    |   | S. herbacea           |    |   |
| C. pennsylvan.       |    |   | Lappula virgin.           |    |   | S. hispida            |    |   |
| Caulophyllum thal.   |    |   | Lathyrus ochrol.          |    |   | Solidago altissima    |    |   |
| Celastrus scan.      |    |   | Lonicera prolif.          |    |   | S. latifolia          |    |   |
| Circaea latif.       |    |   | Lysimachia quadr.         |    |   | S. ulmifolia          |    |   |
| Claytonia virg.      |    |   | Maianthemum can.          |    |   | Thalictrum dioicum    |    |   |
| Cornus altern.       |    |   | Menispermum can.          |    |   | Trillium cernuum      |    |   |
| C. femina            |    |   | Nitella diphylla          |    |   | T. flexipes           |    |   |
| C. rugosa            |    |   | Monarda fistulosa         |    |   | T. grandiflorum       |    |   |
| Corylus americana    |    |   | Orchis spectab.           |    |   | T. recurvatum         |    |   |
| Cryptotaenia canad.  |    |   | Oryzopsis racem.          |    |   | Triosteum perfoliatum |    |   |
| Cypripedium pubesc.  |    |   | X Osmorhiza clayton.      |    |   | Uvularia grandiflora  |    |   |
| Cystopteris frag.    |    |   | O. longistylis            |    |   | Veronicastrum virg.   |    |   |
| Dentaria laciniata   |    |   | Osmunda clayton.          |    |   | Viburnum acerifolium  |    |   |
| Desmodium acumin.    |    |   | Panax quinquef.           |    |   | V. affine             |    |   |
| D. nudiflorum        |    |   | Panicum latifolium        |    |   | Viola cucullata       |    |   |
| Dicentra cucullaria  |    |   | Parietaria pennsylv.      |    |   | X V. pubescens        |    |   |
| Dodecatheon meadia   |    |   | X Parthenocissus vit.     |    |   | Vitis aestivalis      |    |   |
| Dryopteris spinulosa |    |   | Phlox divaricata          |    |   | V. riparia            |    |   |
| Erigeron pulchellus  |    |   | Phryma leptostachya       |    |   | Zanthoxylum americ.   |    |   |
| Erythronium albidum  |    |   | Podophyllum pelt.         |    |   | Zizia aurea           |    |   |
|                      |    |   | Polemonium reptans        |    |   |                       |    |   |



| Tree            | BA  | S | Tree            | BA  | S | Tree           | BA  | S |
|-----------------|-----|---|-----------------|-----|---|----------------|-----|---|
| Acer negundo    |     |   | Fagus grandif.  |     |   | Prunus virgin. |     |   |
| A. rubrum       |     |   | Fraxinus amer.  |     |   | Quercus alba   |     |   |
| A. saccharinum  |     |   | F. nigra        |     |   | Q. bicolor     |     |   |
| A. saccharum    |     |   | F. pennsylvan.  |     |   | Q. ellipsoid.  |     |   |
| Amelanchier sp. |     |   | Juglans cinere  |     |   | Q. macrocarpa  |     |   |
| Betula lutea    |     |   | J. nigra        |     |   | Q. rubra       | 495 |   |
| B. nigra        |     |   | Ostrya virgin.  |     |   | Q. velutina    | 310 |   |
| B. papyrifera   |     |   | Populus deltoei |     |   | Robinia pseudo |     |   |
| Carpinus carol  |     |   | P. grandident.  |     |   | Sorbus americ. |     |   |
| Carya cordifor  | (2) |   | P. tremuloides  |     |   | Tilia american |     |   |
| C. ovata        |     |   | Prunus americ.  |     |   | Ulmus american |     |   |
| Celtis occiden  |     |   | P. pennsylvan.  |     |   | U. fulva       |     |   |
| Crataegus sp.   |     |   | P. serotina     | (2) |   |                |     |   |

Distance: 36

|                       |  |  | Shrubs & Herbs        |   |  |                       |  |  |
|-----------------------|--|--|-----------------------|---|--|-----------------------|--|--|
| Actaea sp.            |  |  | Eupatorium purpur.    |   |  | Polygonatum commut.   |  |  |
| Adiantum pedat.       |  |  | Eupatorium rugosum    |   |  | Polygonatum pubesc.   |  |  |
| Agrimonia gryp.       |  |  | Festuca obtusa        |   |  | Polygonum virgin.     |  |  |
| Allium tricocc.       |  |  | Fragaria virgin.      |   |  | Potentilla simpl.     |  |  |
| Amphicarpa brac.      |  |  | Galium aparine        | X |  | Prenanthes alba       |  |  |
| X Anemone quinque.    |  |  | G. circaeazans        |   |  | Pteridium aquil.      |  |  |
| A. virginiana         |  |  | X G. cinereum         |   |  | Pyrola elliptica      |  |  |
| Anemonella thal.      |  |  | G. lanceolatum        |   |  | Ranunculus abort.     |  |  |
| Antennaria sp.        |  |  | G. triflorum          |   |  | R. recurvatus         |  |  |
| Aplectrum hiem.       |  |  | X Geranium macul.     |   |  | R. septentrion.       |  |  |
| Apocynum andros.      |  |  | Geum canadense        |   |  | Rhus radicans         |  |  |
| Aquilegia canad.      |  |  | Goodyera pubesc.      |   |  | Ribes americanum      |  |  |
| Aralia nudicaul.      |  |  | Habenaria bract.      |   |  | R. cynosbati          |  |  |
| A. racemosa           |  |  | Hamamelis virg.       |   |  | R. missouriense       |  |  |
| Arenaria later.       |  |  | Helianthus strum.     |   |  | Rosa sp.              |  |  |
| Arisaema atror.       |  |  | Hepatica acutil.      |   |  | Rubus alleghen.       |  |  |
| Asarum canad.         |  |  | Heuchera richard.     |   |  | X R. occidentalis     |  |  |
| Aster macrophyll.     |  |  | Hydrastis canad.      |   |  | R. strigosus          |  |  |
| A. sagittifolius      |  |  | X Hydrophyllum virg.  |   |  | Sambucus canad.       |  |  |
| A. shortii            |  |  | Hystrix patula        |   |  | Sanguinaria can.      |  |  |
| Athyrium angust.      |  |  | Impatiens biflora     |   |  | X Sanicula gregaria   |  |  |
| Aureolaria grandif.   |  |  | I. pallida            |   |  | S. marilandica        |  |  |
| Botrychium vir.       |  |  | Isopyrum bitern.      |   |  | Smilacina racemosa    |  |  |
| Brachyelytrum         |  |  | Lactuca spicata       |   |  | S. stellata           |  |  |
| Campanula amer.       |  |  | Laportea canad.       |   |  | Smilax ecirrhata      |  |  |
| Carex albursina       |  |  | Lappula virgin.       |   |  | S. herbacea           |  |  |
| C. pennsylvan.        |  |  | Lathyrus ochrol.      |   |  | S. hispida            |  |  |
| Caulophyllum thal.    |  |  | Lonicera prolif.      |   |  | Solidago altissima    |  |  |
| Celastrus scan.       |  |  | Lysimachia quadr.     |   |  | S. latifolia          |  |  |
| Circaea latif.        |  |  | Maianthemum can.      |   |  | S. ulmifolia          |  |  |
| Claytonia virg.       |  |  | Menispermum can.      |   |  | Thalictrum dioicum    |  |  |
| Cornus altern.        |  |  | Mitella diphylla      |   |  | Trillium cernuum      |  |  |
| C. femina             |  |  | Monarda fistulosa     |   |  | T. flexipes           |  |  |
| C. rugosa             |  |  | Orchis spectab.       |   |  | T. grandiflorum       |  |  |
| Corylus americana     |  |  | Oryzopsis racem.      |   |  | T. recurvatum         |  |  |
| Cryptotaenia canad.   |  |  | X Osmorhiza clayton.  |   |  | Triosteum perfoliatum |  |  |
| Cypripedium pubesc.   |  |  | O. longistylis        |   |  | Uvularia grandiflora  |  |  |
| Cystopteris frag.     |  |  | Osmunda clayton.      |   |  | Veronicastrum virg.   |  |  |
| Dentaria laciniata    |  |  | Panax quinquef.       |   |  | Viburnum acerifolium  |  |  |
| Desmodium acumin.     |  |  | Panicum latifolium    |   |  | V. affine             |  |  |
| D. nudiflorum         |  |  | Parietaria pennsylv.  |   |  | Viola cucullata       |  |  |
| Dicentra cucullaria   |  |  | X Parthenocissus vit. |   |  | X V. pubescens        |  |  |
| Dodecatheon meadia    |  |  | Phlox divaricata      |   |  | Vitis aestivalis      |  |  |
| Dryopteris spinulosa  |  |  | Phryma leptostachya   |   |  | V. riparia            |  |  |
| Erigeron pulchellus   |  |  | Podophyllum pelt.     |   |  | Zanthoxylum americ.   |  |  |
| X Erythronium albidum |  |  | Polemonium reptans    |   |  | Zizia aurea           |  |  |



| Tree            | : BA | : S | Tree           | : BA | : S | Tree           | : BA   | : S |
|-----------------|------|-----|----------------|------|-----|----------------|--------|-----|
| Acer negundo    |      |     | Fagus grandif. |      |     | Prunus virgin. |        |     |
| A. rubrum       |      |     | Fraxinus amer. |      |     | Quercus alba   |        |     |
| A. saccharinum  |      |     | F. nigra       |      |     | Q. bicolor     |        |     |
| A. saccharum    |      |     | F. pennsylvan. |      |     | Q. ellipsoid.  |        |     |
| Amelanchier sp. |      |     | Juglans cinere |      |     | Q. macrocarpa  |        |     |
| Betula lutea    |      |     | J. nigra       |      |     | Q. rubra       | ①      |     |
| B. nigra        |      |     | Ostrya virgin. |      |     | Q. velutina    |        |     |
| B. papyrifera   |      |     | Populus deltoi |      |     | Robinia pseudo |        |     |
| Carpinus carol  |      |     | P. grandident. |      |     | Sorbus americ. |        |     |
| Carya cordifor  | ①    |     | P. tremuloides |      |     | Tilia american |        | ①   |
| C. ovata        |      |     | Prunus americ. |      |     | Ulmus american |        |     |
| Celtis occiden  |      |     | P. pennsylvan. |      |     | U. fulva       | 42, 50 |     |
| Crataegus sp.   |      |     | P. serotina    | ①    |     |                |        |     |

Distance: 18

|                       |  |  | Shrubs & Herbs       |  |  |                       |
|-----------------------|--|--|----------------------|--|--|-----------------------|
| Actaea sp.            |  |  | Eupatorium purpur.   |  |  | Polygonatum commut.   |
| Adiantum pedat.       |  |  | Eupatorium rugosum   |  |  | × Polygonatum pubesc. |
| Agrimonia gryp.       |  |  | Festuca obtusa       |  |  | Polygonum virgin.     |
| Allium tricocc.       |  |  | × Fragaria virgin.   |  |  | Potentilla simpl.     |
| Amphicarpa brac.      |  |  | × Galium aparine     |  |  | Prenanthes alba       |
| Anemone quinque.      |  |  | G. circaezans        |  |  | Pteridium aquil.      |
| A. virginiana         |  |  | G. concinnum         |  |  | Pyrola elliptica      |
| Anomonella thal.      |  |  | G. lanceolatum       |  |  | × Ranunculus abort.   |
| Antennaria sp.        |  |  | G. triflorum         |  |  | R. recurvatus         |
| Aplectrum hiem.       |  |  | × Geranium macul.    |  |  | R. septentrion.       |
| Apocynum andros.      |  |  | Geum canadense       |  |  | Rhus radicans         |
| Aquilegia canad.      |  |  | Goodyera pubesc.     |  |  | Ribes americanum      |
| Aralia nudicaul.      |  |  | Habenaria bract.     |  |  | R. cynosbati          |
| A. racemosa           |  |  | Hamamelis virg.      |  |  | R. missouriense       |
| Arenaria later.       |  |  | × Helianthus strum.  |  |  | Rosa sp.              |
| Arisaema atrov.       |  |  | Hepatica acutil.     |  |  | Rubus alleghen.       |
| Asarum canad.         |  |  | Heuchera richard.    |  |  | R. occidentalis       |
| Aster macrophyll.     |  |  | Hydrastis canad.     |  |  | R. strigosus          |
| A. sagittifolius      |  |  | Hydrophyllum virg.   |  |  | Sambucus canad.       |
| × A. shortii          |  |  | Hystrix patula       |  |  | Sanguinaria can.      |
| Athyrium angust.      |  |  | Impatiens biflora    |  |  | × Sanicula gregaria   |
| Aureolaria grandif.   |  |  | I. pallida           |  |  | S. marilandica        |
| Botrychium vir.       |  |  | Isopyrum bitern.     |  |  | Smilacina racemosa    |
| Brachyelytrum         |  |  | Lactuca spicata      |  |  | S. stellata           |
| Campanula amer.       |  |  | Laportea canad.      |  |  | Smilax ecirrhata      |
| Carex albursina       |  |  | Lappula virgin.      |  |  | S. herbacea           |
| C. pennsylvan.        |  |  | Lathyrus ochrol.     |  |  | S. hispida            |
| Caulophyllum thal.    |  |  | Lonicera prolif.     |  |  | Solidago altissima    |
| Celastrus scan.       |  |  | Lysimachia quadr.    |  |  | S. latifolia          |
| Circaea latif.        |  |  | Maianthemum can.     |  |  | S. ulmifolia          |
| Claytonia virg.       |  |  | Menispermum can.     |  |  | Thalictrum dioicum    |
| Cornus altern.        |  |  | Mitella diphylla     |  |  | Trillium cernuum      |
| C. femina             |  |  | Monarda fistulosa    |  |  | T. flexipes           |
| C. rugosa             |  |  | Orchis spectab.      |  |  | T. grandiflorum       |
| Corylus americana     |  |  | Cryzopsis racem.     |  |  | T. recurvatum         |
| Cryptotaenia canad.   |  |  | × Osmorhiza clayton. |  |  | Triosteum perfoliatum |
| Cypripedium pubesc.   |  |  | O. longistylis       |  |  | Uvularia grandiflora  |
| Cystopteris frag.     |  |  | Osmunda clayton.     |  |  | Veronicastrum virg.   |
| Dentaria laciniata    |  |  | Panax quinquef.      |  |  | Viburnum acerifolium  |
| × Desmodium acumin.   |  |  | Panicum latifolium   |  |  | V. affine             |
| D. nudiflorum         |  |  | Parietaria pennsylv. |  |  | × Viola cucullata     |
| Dicentra cucullaria   |  |  | Parthenocissus vit.  |  |  | V. pubescens          |
| Dodecatheon meadia    |  |  | Phlox divaricata     |  |  | Vitis aestivalis      |
| Dryopteris spinulosa  |  |  | Phryma leptostachya  |  |  | V. riparia            |
| Erigeron pulchellus   |  |  | Podophyllum pelt.    |  |  | Zanthoxylum americ.   |
| × Erythronium albidum |  |  | Polemonium reptans   |  |  | Zizia aurea           |



| Tree            | BA  | S | Tree            | BA | S | Tree           | BA  | S   |
|-----------------|-----|---|-----------------|----|---|----------------|-----|-----|
| Acer negundo    |     |   | Fagus grandif.  |    |   | Prunus virgin. |     |     |
| A. rubrum       |     |   | Fraxinus amer.  |    |   | Quercus alba   |     |     |
| A. saccharinum  |     |   | F. nigra        |    |   | Q. bicolor     |     |     |
| A. saccharum    |     |   | F. pennsylvan.  |    |   | Q. ellipsoid.  |     |     |
| Amelanchier sp. |     |   | Juglans cinere  |    |   | Q. macrocarpa  |     |     |
| Betula lutea    |     |   | J. nigra        |    |   | Q. rubra       |     |     |
| B. nigra        |     |   | Ostrya virgin.  |    |   | Q. velutina    |     |     |
| B. papyrifera   |     |   | Populus deltoid |    |   | Robinia pseudo |     |     |
| Carpinus carol  |     |   | P. grandident.  |    |   | Sorbus americ. |     |     |
| Carya cordifor  | (2) |   | P. tremuloides  |    |   | Tilia american | 55  |     |
| C. ovata        |     |   | Prunus americ.  |    |   | Ulmus american |     |     |
| Celtis occiden  |     |   | P. pennsylvan.  |    |   | X U. fulva     | 100 | (2) |
| Crataegus sp.   |     |   | P. serotina     |    |   |                |     |     |

Distance: 15' 9"

|                       |  |  | Shrubs & Herbs       |  |  |                       |  |  |
|-----------------------|--|--|----------------------|--|--|-----------------------|--|--|
| Actaea sp.            |  |  | Eupatorium purpur.   |  |  | Polygonatum commut.   |  |  |
| Adiantum pedat.       |  |  | X Eupatorium rugosum |  |  | Polygonatum pubesc.   |  |  |
| Agrimonia gryp.       |  |  | Festuca obtusa       |  |  | Polygonum virgin.     |  |  |
| Allium tricocc.       |  |  | X Fragaria virgin.   |  |  | Potentilla simpl.     |  |  |
| Amphicarpa brac.      |  |  | Galium aparine       |  |  | Prenanthes alba       |  |  |
| Anemone quinque.      |  |  | G. circaeazans       |  |  | Pteridium aquil.      |  |  |
| A. virginiana         |  |  | G. concinnum         |  |  | Pyrola elliptica      |  |  |
| Anemonella thal.      |  |  | G. lanceolatum       |  |  | X Ranunculus abort.   |  |  |
| Antennaria sp.        |  |  | G. triflorum         |  |  | R. recurvatus         |  |  |
| Aplectrum hiem.       |  |  | X Geranium macul.    |  |  | R. septentrion.       |  |  |
| Apocynum andros.      |  |  | X Geum canadense     |  |  | Rhus radicans         |  |  |
| Aquilegia canad.      |  |  | Goodyera pubesc.     |  |  | Ribes americanum      |  |  |
| Aralia nudicaul.      |  |  | Habenaria bract.     |  |  | R. cynosbati          |  |  |
| A. racemosa           |  |  | Hamamelis virg.      |  |  | R. missouriense       |  |  |
| Arenaria later.       |  |  | Helianthus strum.    |  |  | Rosa sp.              |  |  |
| X Arisaema atrov.     |  |  | Hepatica acutil.     |  |  | Rubus alleghen.       |  |  |
| Asarum canad.         |  |  | Heuchera richard.    |  |  | R. occidentalis       |  |  |
| Aster macrophyll.     |  |  | Hydrastis canad.     |  |  | R. strigosus          |  |  |
| A. sagittifolius      |  |  | Hydrophyllum virg.   |  |  | Sambucus canad.       |  |  |
| A. shortii            |  |  | Hystrix patula       |  |  | Sanguinaria can.      |  |  |
| Athyrium angust.      |  |  | Impatiens biflora    |  |  | Sanicula gregaria     |  |  |
| Aureolaria grandif.   |  |  | I. pallida           |  |  | S. marilandica        |  |  |
| Botrychium vir.       |  |  | Isopyrum bitern.     |  |  | Smilacina racemosa    |  |  |
| Brachyelytrum         |  |  | Lactuca spicata      |  |  | S. stellata           |  |  |
| Campanula amer.       |  |  | Laportea canad.      |  |  | Smilax ecirrhata      |  |  |
| Carex albursina       |  |  | Lapula virgin.       |  |  | S. herbacea           |  |  |
| X C. pennsylvan.      |  |  | Lathyrus ochrol.     |  |  | S. hispida            |  |  |
| Caulophyllum thal.    |  |  | Lonicera prolif.     |  |  | Solidago altissima    |  |  |
| Celastrus scan.       |  |  | Lysimachia quadr.    |  |  | S. latifolia          |  |  |
| Circaea latif.        |  |  | Maianthemum can.     |  |  | S. ulmifolia          |  |  |
| Claytonia virg.       |  |  | Menispermum can.     |  |  | Thalictrum dioicum    |  |  |
| Cornus altern.        |  |  | Mitella diphylla     |  |  | Trillium cernuum      |  |  |
| C. femina             |  |  | Monarda fistulosa    |  |  | T. flexipes           |  |  |
| C. rugosa             |  |  | Orchis spectab.      |  |  | T. grandiflorum       |  |  |
| Corylus americana     |  |  | Cryzopsis racem.     |  |  | T. recurvatum         |  |  |
| Cryptotaenia canad.   |  |  | Osmorhiza clayton.   |  |  | Triosteum perfoliatum |  |  |
| Cypripedium pubesc.   |  |  | X O. longistylis     |  |  | Uvularia grandiflora  |  |  |
| Cystopteris frag.     |  |  | Osmunda clayton.     |  |  | Veronicastrum virg.   |  |  |
| Dentaria laciniata    |  |  | Panax quinquef.      |  |  | Viburnum acerifolium  |  |  |
| Desmodium acumin.     |  |  | Panicum latifolium   |  |  | V. affine             |  |  |
| D. nudiflorum         |  |  | Parietaria pennsylv. |  |  | X Viola cucullata     |  |  |
| Dicentra cucullaria   |  |  | Parthenocissus vit.  |  |  | X V. pubescens        |  |  |
| Dodecatheon meadia    |  |  | Phlox divaricata     |  |  | Vitis aestivalis      |  |  |
| Dryopteris spinulosa  |  |  | Phryma leptostachya  |  |  | V. riparia            |  |  |
| Erigeron pulchellus   |  |  | Podophyllum pelt.    |  |  | Zanthoxylum americ.   |  |  |
| X Erythronium albidum |  |  | Polemonium reptans   |  |  | Zizia aurea           |  |  |



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 Tree : BA : S : Tree : BA : S : Tree : BA : S  
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Acer negundo  
 A. rubrum  
 A. saccharinum  
 A. saccharum  
 Amelanchier sp.  
 Betula lutea  
 B. nigra  
 B. papyrifera  
 Carpinus carol  
 Carya cordifor  
 C. ovata  
 Celtis occiden  
 Crataegus sp.

Fagus grandif.  
 Fraxinus amer. 155  
 F. nigra  
 F. pennsylvan.  
 Juglans cinere  
 J. nigra  
 Ostrya virgin.  
 Populus deltoi  
 P. grandident.  
 P. tremuloides  
 Prunus americ.  
 P. pennsylvan.  
 P. serotina

Prunus virgin.  
 Quercus alba  
 Q. bicolor  
 Q. ellipsoid.  
 Q. macrocarpa  
 Q. rubra  
 Q. velutina  
 Robinia pseudo  
 Sorbus americ.  
 Tilia american  
 Ulmus american  
 U. fulva 22

Distance: 5' 8"

Actaea sp.  
 Adiantum pedat.  
 Agrimonia gryp.  
 Allium tricocc.  
 Amphicarpa brac.  
 Anemone quinque.  
 A. virginiana  
 Anemonella thal.  
 Antennaria sp.  
 Aplectrum hiem.  
 Apocynum andros.  
 Aquilegia canad.  
 Aralia nudicaul.  
 A. racemosa  
 Arenaria later.  
 X Arisaema atrop.  
 Asarum canad.  
 Aster macrophyll.  
 A. sagittifolius  
 X A. shortii  
 Athyrium angust.  
 Aureolaria grandif.  
 Botrychium vir.  
 Brachyelytrum  
 Campanula amer.  
 X Carex albursina  
 C. pennsylvan.  
 Caulophyllum thal.  
 Celastrus scan.  
 Circaea latif.  
 Claytonia virg.  
 Cornus altern.  
 C. femina  
 C. rugosa  
 Corylus americana  
 Cryptotaenia canad.  
 Cypripedium pubesc.  
 Cystopteris frag.  
 Dentaria laciniata  
 Desmodium acumin.  
 D. nudiflorum  
 Dicentra cucullaria  
 Dodecatheon meadia  
 Dryopteris spinulosa  
 Erigeron pulchellus  
 X Erythronium albidum

# Shrubs & Herbs

Eupatorium purpur.  
 Eupatorium rugosum  
 Festuca obtusa  
 Fragaria virgin.  
 Galium aparine  
 G. circaezans  
 X G. concinnum  
 G. lanceolatum  
 G. triflorum  
 Geranium macul.  
 Geum canadense  
 Goodyera pubesc.  
 Habenaria bract.  
 Hamamelis virg.  
 X Helianthus strum.  
 Hepatica acutil.  
 Heuchera richard.  
 Hydrastis canad.  
 X Hydrophyllum virg.  
 X Hystrix patula  
 Impatiens biflora  
 I. pallida  
 Isopyrum bitern.  
 Lactuca spicata  
 Laportea canad.  
 Lappula virgin.  
 Lathyrus ochrol.  
 X Lonicera prolif.  
 Lysimachia quadr.  
 Maianthemum can.  
 Menispermum can.  
 Mitella diphylla  
 Monarda fistulosa  
 Orchis spectab.  
 Gryzopsis racem.  
 Osmorhiza clayton.  
 O. longistylis  
 Osmunda clayton.  
 Panax quinquef.  
 Panicum latifolium  
 Parietaria pennsylv.  
 Parthenocissus vit.  
 Phlox divaricata  
 Phryma leptostachya  
 Podophyllum pelt.  
 Polemonium reptans

Polygonatum commut.  
 Polygonatum pubesc.  
 Polygonum virgin.  
 Potentilla simpl.  
 Prenanthes alba  
 Pteridium aquil.  
 Pyrola elliptica  
 Ranunculus abort.  
 R. recurvatus  
 R. septentrion.  
 Rhus radicans  
 Ribes americanum  
 R. cynosbati  
 R. missouriense  
 Rosa sp.  
 Rubus alleghen.  
 R. occidentalis  
 R. strigosus  
 Sambucus canad.  
 Sanguinaria can.  
 X Sanicula gregaria  
 X S. marilandica  
 X Smilacina racemosa  
 S. stellata  
 Smilax ecirrhata  
 S. herbacea  
 S. hispida  
 Solidago altissima  
 S. latifolia  
 S. ulmifolia  
 Thalictrum dioicum  
 Trillium cernuum  
 T. flexipes  
 T. grandiflorum  
 T. recurvatum  
 Triosteum perfoliatum  
 Uvularia grandiflora  
 Veronicastrum virg.  
 Viburnum acerifolium  
 V. affine  
 Viola cucullata  
 X V. pubescens  
 Vitis aestivalis  
 V. riparia  
 Zanthoxylum americ.  
 Zizia aurea



| Tree            | : BA | : S | Tree           | : BA | : S | Tree           | : BA   | : S |
|-----------------|------|-----|----------------|------|-----|----------------|--------|-----|
| Acer negundo    |      |     | Fagus grandif. |      |     | Prunus virgin. |        | ①   |
| A. rubrum       |      |     | Fraxinus amer. |      |     | Quercus alba   |        |     |
| A. saccharinum  |      |     | F. nigra       |      |     | Q. bicolor     |        |     |
| A. saccharum    |      |     | F. pennsylvan. |      |     | Q. ellipsoid.  |        |     |
| Amelanchier sp. |      |     | Juglans cinere |      |     | Q. macrocarpa  |        |     |
| Betula lutea    |      |     | J. nigra       |      |     | Q. rubra       |        |     |
| B. nigra        |      |     | Ostrya virgin. |      |     | Q. velutina    |        |     |
| B. papyrifera   |      |     | Populus deltoi |      |     | Robinia pseudo |        |     |
| Carpinus carol  |      |     | P. grandident. |      |     | Sorbus americ. |        |     |
| Carya cordifor  | ①    |     | P. tremuloides |      |     | Tilia american |        |     |
| C. ovata        |      |     | Prunus americ. |      |     | Ulmus american |        |     |
| Celtis occiden  |      |     | P. pennsylvan. |      |     | U. fulva       | 90, 45 | ①   |
| Crataegus sp.   |      |     | P. serotina    | ①    |     |                |        |     |

Distance: 18' 7"

|                       |  |  | Shrubs & Herbs        |  |  |                       |  |  |
|-----------------------|--|--|-----------------------|--|--|-----------------------|--|--|
| Actaea sp.            |  |  | Eupatorium purpur.    |  |  | Polygonatum commut.   |  |  |
| Adiantum pedat.       |  |  | Eupatorium rugosum    |  |  | Polygonatum pubesc.   |  |  |
| Agrimonia gryp.       |  |  | Festuca obtusa        |  |  | Polygonum virgin.     |  |  |
| Allium tricocc.       |  |  | Fragaria virgin.      |  |  | Potentilla simpl.     |  |  |
| Amphicarpa brac.      |  |  | X Galium aparine      |  |  | Prenanthes alba       |  |  |
| Anemone quinque.      |  |  | G. circaezans         |  |  | Pteridium aquil.      |  |  |
| A. virginiana         |  |  | X G. concinnum        |  |  | Pyrola elliptica      |  |  |
| Anemonella thal.      |  |  | G. lanceolatum        |  |  | Ranunculus abort.     |  |  |
| Antennaria sp.        |  |  | G. triflorum          |  |  | R. recurvatus         |  |  |
| Aplectrum hiem.       |  |  | X Geranium macul.     |  |  | R. septentrion.       |  |  |
| Apocynum andros.      |  |  | X Geum canadense      |  |  | Rhus radicans         |  |  |
| Aquilegia canad.      |  |  | Goodyera pubesc.      |  |  | Ribes americanum      |  |  |
| Aralia nudicaul.      |  |  | Habenaria bract.      |  |  | R. cynosbati          |  |  |
| A. racemosa           |  |  | Hamamelis virg.       |  |  | R. missouriense       |  |  |
| Arenaria later.       |  |  | Helianthus strum.     |  |  | Rosa sp.              |  |  |
| X Arisaema atrov.     |  |  | Hepatica acutil.      |  |  | Rubus alleghen.       |  |  |
| Asarum canad.         |  |  | Heuchera richard.     |  |  | R. occidentalis       |  |  |
| Aster macrophyll.     |  |  | Hydrastis canad.      |  |  | R. strigosus          |  |  |
| A. sagittifolius      |  |  | Hydrophyllum virg.    |  |  | Sambucus canad.       |  |  |
| X A. shortii          |  |  | Hystrix patula        |  |  | Sanguinaria can.      |  |  |
| Athyrium angust.      |  |  | Impatiens biflora     |  |  | X Sanicula gregaria   |  |  |
| Aureolaria grandif.   |  |  | I. pallida            |  |  | X S. marilandica      |  |  |
| Botrychium vir.       |  |  | Isopyrum bitern.      |  |  | X Smilacina racemosa  |  |  |
| Brachyelytrum         |  |  | Lactuca spicata       |  |  | S. stellata           |  |  |
| Campanula amer.       |  |  | Laportea canad.       |  |  | Smilax ecirrhata      |  |  |
| Carex albursina       |  |  | Lappula virgin.       |  |  | S. herbacea           |  |  |
| X C. pennsylvan.      |  |  | Lathyrus ochrol.      |  |  | S. hispida            |  |  |
| Caulophyllum thal.    |  |  | Lonicera prolif.      |  |  | Solidago altissima    |  |  |
| Celastrus scan.       |  |  | Lysimachia quadr.     |  |  | S. latifolia          |  |  |
| X Circaea latif.      |  |  | Maianthemum can.      |  |  | S. ulmifolia          |  |  |
| Claytonia virg.       |  |  | Menispermum can.      |  |  | Thalictrum dioicum    |  |  |
| Cornus altern.        |  |  | Mitella diphylla      |  |  | Trillium cernuum      |  |  |
| C. femina             |  |  | Monarda fistulosa     |  |  | T. flexipes           |  |  |
| C. rugosa             |  |  | Orchis spectab.       |  |  | T. grandiflorum       |  |  |
| Corylus americana     |  |  | Oryzopsis racem.      |  |  | T. recurvatum         |  |  |
| Cryptotaenia canad.   |  |  | Osmorhiza clayton.    |  |  | Triosteum perfoliatum |  |  |
| Cypripedium pubesc.   |  |  | O. longistylis        |  |  | Uvularia grandiflora  |  |  |
| Cystopteris frag.     |  |  | Osmunda clayton.      |  |  | X Veronicastrum virg. |  |  |
| Dentaria laciniata    |  |  | Panax quinquef.       |  |  | Viburnum acerifolium  |  |  |
| Desmodium acumin.     |  |  | Panicum latifolium    |  |  | V. affine             |  |  |
| D. nudiflorum         |  |  | Parietaria pennsylv.  |  |  | X Viola cucullata     |  |  |
| Dicentra cucullaria   |  |  | X Parthenocissus vit. |  |  | V. pubescens          |  |  |
| Dodecatheon meadia    |  |  | Phlox divaricata      |  |  | Vitis aestivalis      |  |  |
| Dryopteris spinulosa  |  |  | Phryma leptostachya   |  |  | V. riparia            |  |  |
| Erigeron pulchellus   |  |  | X Podophyllum pelt.   |  |  | Zanthoxylum americ.   |  |  |
| X Erythronium albidum |  |  | Polemonium reptans    |  |  | Zizia aurea           |  |  |



| Tree                  | BA  | S | Tree                  | BA | S | Tree                  | BA  | S  |
|-----------------------|-----|---|-----------------------|----|---|-----------------------|-----|----|
| Acer negundo          |     |   | Fagus grandif.        |    |   | X Prunus virgin.      |     |    |
| A. rubrum             |     |   | Fraxinus amer.        |    |   | Quercus alba          |     |    |
| A. saccharinum        |     |   | F. nigra              |    |   | Q. bicolor            |     |    |
| A. saccharum          |     |   | F. pennsylvan.        |    |   | Q. ellipsoid.         |     |    |
| Amelanchier sp.       |     |   | Juglans cinere        |    |   | Q. macrocarpa         |     |    |
| Betula lutea          |     |   | J. nigra              |    |   | Q. rubra              |     |    |
| B. nigra              |     |   | Ostrya virgin.        |    |   | Q. velutina           |     |    |
| B. papyrifera         |     |   | Populus deltoi        |    |   | Robinia pseudo        |     |    |
| Carpinus carol        |     |   | P. grandident.        |    |   | Sorbus americ.        |     |    |
| X Carya cordifor      | (4) |   | P. tremuloides        |    |   | X Tilia american      |     |    |
| C. ovata              |     |   | Prunus americ.        |    |   | Ulmus american        |     |    |
| Celtis occiden        |     |   | P. pennsylvan.        |    |   | U. fulva              | 120 | 45 |
| Crataegus sp.         |     |   | P. serotina           |    |   |                       |     |    |
|                       |     |   |                       |    |   | Distance:             | 19  |    |
| Actaea sp.            |     |   | Shrubs & Herbs        |    |   |                       |     |    |
| Adiantum pedat.       |     |   | Eupatorium purpur.    |    |   | Polygonatum commut.   |     |    |
| Agrimonia gryp.       |     |   | Eupatorium rugosum    |    |   | X Polygonatum pubesc. |     |    |
| Allium tricocc.       |     |   | Festuca obtusa        |    |   | Polygonum virgin.     |     |    |
| Amphicarpa brac.      |     |   | Fragaria virgin.      |    |   | Potentilla simpl.     |     |    |
| Anemone quinque.      |     |   | Galium aparine        |    |   | Prenanthes alba       |     |    |
| A. virginiana         |     |   | G. circaezans         |    |   | Pteridium aquil.      |     |    |
| Anemonella thal.      |     |   | X G. concinnum        |    |   | Pyrola elliptica      |     |    |
| Antennaria sp.        |     |   | G. lanceolatum        |    |   | Ranunculus abort.     |     |    |
| Aplectrum hiem.       |     |   | G. triflorum          |    |   | R. recurvatus         |     |    |
| Apocynum andros.      |     |   | X Geranium macul.     |    |   | X R. septentrion.     |     |    |
| Aquilegia canad.      |     |   | X Geum canadense      |    |   | Rhus radicans         |     |    |
| Aralia nudicaul.      |     |   | Goodyera pubesc.      |    |   | Ribes americanum      |     |    |
| A. racemosa           |     |   | Habenaria bract.      |    |   | R. cynosbati          |     |    |
| Arenaria later.       |     |   | Hamamelis virg.       |    |   | R. missouriense       |     |    |
| X Arisaema atrov.     |     |   | Helianthus strum.     |    |   | Rosa sp.              |     |    |
| Asarum canad.         |     |   | Hepatica acutil.      |    |   | Rubus alleghen.       |     |    |
| Aster macrophyll.     |     |   | Heuchera richard.     |    |   | R. occidentalis       |     |    |
| A. sagittifolius      |     |   | Hydrastis canad.      |    |   | R. strigosus          |     |    |
| X A. shortii          |     |   | Hydrophyllum virg.    |    |   | Sambucus canad.       |     |    |
| Athyrium angust.      |     |   | Hystrix patula        |    |   | Sanguinaria can.      |     |    |
| Aureolaria grandif.   |     |   | Impatiens biflora     |    |   | Sanicula gregaria     |     |    |
| Botrychium vir.       |     |   | I. pallida            |    |   | S. marilandica        |     |    |
| Brachyelytrum         |     |   | Isopyrum bitern.      |    |   | Smilacina racemosa    |     |    |
| Campanula amer.       |     |   | Lactuca spicata       |    |   | S. stellata           |     |    |
| Carex albursina       |     |   | Laportea canad.       |    |   | Smilax ecirrhata      |     |    |
| C. pennsylvan.        |     |   | Lappula virgin.       |    |   | S. herbacea           |     |    |
| Caulophyllum thal.    |     |   | Lathyrus ochrol.      |    |   | S. hispida            |     |    |
| Celastrus scan.       |     |   | Lonicera prolif.      |    |   | Solidago altissima    |     |    |
| X Circaea latif.      |     |   | Lysimachia quadr.     |    |   | S. latifolia          |     |    |
| Claytonia virg.       |     |   | Maianthemum can.      |    |   | S. ulmifolia          |     |    |
| Cornus altern.        |     |   | Menispermum can.      |    |   | Thalictrum dioicum    |     |    |
| C. femina             |     |   | Mitella diphylla      |    |   | Trillium cernuum      |     |    |
| C. rugosa             |     |   | Monarda fistulosa     |    |   | T. flexipes           |     |    |
| Corylus americana     |     |   | Orchis spectab.       |    |   | T. grandiflorum       |     |    |
| Cryptotaenia canad.   |     |   | Cryzopsis racem.      |    |   | T. recurvatum         |     |    |
| Cypripedium pubesc.   |     |   | Osmorhiza clayton.    |    |   | Triosteum perfoliatum |     |    |
| Cystopteris frag.     |     |   | O. longistylis        |    |   | Uvularia grandiflora  |     |    |
| Dentaria laciniata    |     |   | Osmunda clayton.      |    |   | Veronicastrum virg.   |     |    |
| Desmodium acumin.     |     |   | Panax quinquef.       |    |   | Viburnum acerifolium  |     |    |
| D. nudiflorum         |     |   | Panicum latifolium    |    |   | V. affine             |     |    |
| Dicentra cucullaria   |     |   | Parietaria pennsylv.  |    |   | X Viola cucullata     |     |    |
| Dodecatheon meadia    |     |   | X Parthenocissus vit. |    |   | V. pubescens          |     |    |
| Dryopteris spinulosa  |     |   | Phlox divaricata      |    |   | Vitis aestivalis      |     |    |
| Erigeron pulchellus   |     |   | X Phryma leptostachya |    |   | V. riparia            |     |    |
| X Erythronium albidum |     |   | Podophyllum pelt.     |    |   | Zanthoxylum americ.   |     |    |
|                       |     |   | Polemonium reptans    |    |   | Zizia aurea           |     |    |



| Tree                  | BA | S | Tree                 | BA | S | Tree                  | BA | S |
|-----------------------|----|---|----------------------|----|---|-----------------------|----|---|
| Acer negundo          |    |   | Fagus grandif.       |    |   | Prunus virgin.        |    |   |
| A. rubrum             |    |   | Fraxinus amer.       |    |   | Quercus alba          |    |   |
| A. saccharinum        |    |   | F. nigra             |    |   | Q. bicolor            |    |   |
| A. saccharum          |    |   | F. pennsylvan.       |    |   | Q. ellipsoid.         |    |   |
| Amelanchier sp.       |    |   | Juglans cinere       |    |   | Q. macrocarpa         |    |   |
| Betula lutea          |    |   | J. nigra             |    |   | Q. rubra              |    |   |
| B. nigra              |    |   | Ostrya virgin.       |    |   | Q. velutina           |    |   |
| B. papyrifera         |    |   | Populus deltoii      |    |   | Robinia pseudo        |    |   |
| Carpinus carol        |    |   | P. grandident.       | 26 |   | Sorbus americ.        |    |   |
| Carya cordifor        | ①  |   | P. tremuloides       |    |   | Tilia american        | 20 | ① |
| C. ovata              |    |   | Prunus americ.       |    |   | Ulmus american        |    |   |
| Celtis occiden        |    |   | P. pennsylvan.       |    |   | XU. fulva             | ②  |   |
| Crataegus sp.         |    |   | P. serotina          |    |   |                       |    |   |
|                       |    |   |                      |    |   | Distance:             | 16 |   |
| Actaea sp.            |    |   | Shrubs & Herbs       |    |   | Polygonatum commut.   |    |   |
| Adiantum pedat.       |    |   | Eupatorium purpur.   |    |   | X Polygonatum pubesc. |    |   |
| Agrimonia gryp.       |    |   | Eupatorium rugosum   |    |   | Polygonum virgin.     |    |   |
| Allium tricocc.       |    |   | Festuca obtusa       |    |   | Potentilla simpl.     |    |   |
| Amphicarpa brac.      |    |   | Fragaria virgin.     |    |   | Prenanthes alba       |    |   |
| Anemone quinque.      |    |   | Galium aparine       |    |   | Pteridium aquil.      |    |   |
| A. virginiana         |    |   | G. circaeazans       |    |   | Pyrola elliptica      |    |   |
| Anemonella thal.      |    |   | G. concinnum         |    |   | Ranunculus abort.     |    |   |
| Antennaria sp.        |    |   | G. lanceolatum       |    |   | R. recurvatus         |    |   |
| Aplectrum hiem.       |    |   | X G. triflorum       |    |   | R. septentrion.       |    |   |
| Apocynum andros.      |    |   | X Geranium macul.    |    |   | Rhus radicans         |    |   |
| Aquilegia canad.      |    |   | Geum canadense       |    |   | Ribes americanum      |    |   |
| Aralia nudicaul.      |    |   | Goodyera pubesc.     |    |   | R. cynosbati          |    |   |
| A. racemosa           |    |   | Habenaria bract.     |    |   | R. missouriense       |    |   |
| Arenaria later.       |    |   | Hamamelis virg.      |    |   | Rosa sp.              |    |   |
| X Arisaema atror.     |    |   | Helianthus strum.    |    |   | Rubus alleghen.       |    |   |
| Asarum canad.         |    |   | Hepatica acutil.     |    |   | X R. occidentalis     |    |   |
| Aster macrophyll.     |    |   | Heuchera richard.    |    |   | R. strigosus          |    |   |
| A. sagittifolius      |    |   | Hydrastis canad.     |    |   | Sambucus canad.       |    |   |
| A. shortii            |    |   | Hydrophyllum virg.   |    |   | Sanguinaria can.      |    |   |
| Athyrium angust.      |    |   | Hystrix patula       |    |   | X Sanicula gregaria   |    |   |
| Aureolaria grandif.   |    |   | Impatiens biflora    |    |   | S. marilandica        |    |   |
| Botrychium vir.       |    |   | I. pallida           |    |   | Smilacina racemosa    |    |   |
| Brachyelytrum         |    |   | Isopyrum bitern.     |    |   | S. stellata           |    |   |
| Campanula amer.       |    |   | Lactuca spicata      |    |   | Smilax ecirrhata      |    |   |
| Carex albursina       |    |   | Laportea canad.      |    |   | S. herbacea           |    |   |
| C. pennsylvan.        |    |   | Lapoula virgin.      |    |   | S. hispida            |    |   |
| Caulophyllum thal.    |    |   | Lathyrus ochrol.     |    |   | Solidago altissima    |    |   |
| Celastrus scan.       |    |   | Lonicera prolif.     |    |   | S. latifolia          |    |   |
| X Circaea latif.      |    |   | Lysimachia quadr.    |    |   | S. ulmifolia          |    |   |
| Claytonia virg.       |    |   | Maianthemum can.     |    |   | Thalictrum dioicum    |    |   |
| Cornus altern.        |    |   | Menispermum can.     |    |   | Trillium cernuum      |    |   |
| C. femina             |    |   | Mitella diphylla     |    |   | T. flexipes           |    |   |
| C. rugosa             |    |   | Monarda fistulosa    |    |   | T. grandiflorum       |    |   |
| Corylus americana     |    |   | Orchis spectab.      |    |   | T. recurvatum         |    |   |
| X Cryptotaenia canad. |    |   | Cryzopsis racem.     |    |   | Triosteum perfoliatum |    |   |
| Cypripedium pubesc.   |    |   | X Osmorhiza clayton. |    |   | Uvularia grandiflora  |    |   |
| Cystopteris frag.     |    |   | O. longistylis       |    |   | Veronicastrum virg.   |    |   |
| Dentaria laciniata    |    |   | Osmunda clayton.     |    |   | Viburnum acerifolium  |    |   |
| Desmodium acumin.     |    |   | Panax quinquef.      |    |   | V. affine             |    |   |
| D. nudiflorum         |    |   | Panicum latifolium   |    |   | X Viola cucullata     |    |   |
| Dicentra cucullaria   |    |   | Parietaria pennsylv. |    |   | X V. pubescens        |    |   |
| Dodecatheon meadia    |    |   | Parthenocissus vit.  |    |   | Vitis aestivalis      |    |   |
| Dryopteris spinulosa  |    |   | Phlox divaricata     |    |   | V. riparia            |    |   |
| Erigeron pulchellus   |    |   | Phryma leptostachya  |    |   | Zanthoxylum americ.   |    |   |
| X Erythronium albidum |    |   | Podophyllum pelt.    |    |   | Zizia aurea           |    |   |
|                       |    |   | Polemonium reptans   |    |   |                       |    |   |



| Tree                 | : BA | : S | Tree                 | : BA | : S | Tree                  | : BA   | : S |
|----------------------|------|-----|----------------------|------|-----|-----------------------|--------|-----|
| Acer negundo         |      |     | Fagus grandif.       |      |     | Prunus virgin.        |        |     |
| A. rubrum            |      |     | Fraxinus amer.       |      |     | Quercus alba          |        |     |
| A. saccharinum       |      |     | F. nigra             |      |     | Q. bicolor            |        |     |
| A. saccharum         |      |     | F. pennsylvan.       |      |     | Q. ellipsoid.         |        |     |
| Amelanchier sp.      |      |     | Juglans cinere       |      |     | Q. macrocarpa         |        |     |
| Betula lutea         |      |     | J. nigra             |      |     | Q. rubra              |        |     |
| B. nigra             |      |     | Ostrya virgin.       |      |     | Q. velutina           |        |     |
| B. papyrifera        |      |     | Populus deltoi       |      |     | Robinia pseudo        |        |     |
| Carpinus carol       |      |     | P. grandident.       |      |     | Sorbus americ.        |        |     |
| Carya cordifor       |      |     | P. tremuloides       |      |     | Tilia american        |        |     |
| C. ovata             |      |     | Prunus americ.       |      |     | Ulmus american        | 16     |     |
| Celtis occiden       |      |     | P. pennsylvan.       |      |     | U. fulva              | 21     |     |
| Crataegus sp.        |      |     | P. serotina          |      |     |                       |        |     |
|                      |      |     |                      |      |     | Distance:             | 11' 4" |     |
|                      |      |     | Shrubs & Herbs       |      |     |                       |        |     |
| Actaea sp.           |      |     | Eupatorium purpur.   |      |     | Polygonatum commut.   |        |     |
| Adiantum pedat.      |      |     | Eupatorium rugosum   |      |     | Polygonatum pubesc.   |        |     |
| Agrimonia gryp.      |      |     | Festuca obtusa       |      |     | Polygonum virgin.     |        |     |
| Allium tricocc.      |      |     | Fragaria virgin.     |      |     | Potentilla simpl.     |        |     |
| Amphicarpa brac.     |      |     | Galium aparine       |      |     | Prenanthes alba       |        |     |
| Anemone quinque.     |      |     | G. circaezans        |      |     | Pteridium aquil.      |        |     |
| A. virginiana        |      |     | G. concinnum         |      |     | Pyrola elliptica      |        |     |
| Anemonella thal.     |      |     | G. lanceolatum       |      |     | Ranunculus abort.     |        |     |
| Antennaria sp.       |      |     | G. triflorum         |      |     | R. recurvatus         |        |     |
| Aplectrum hiem.      |      |     | Geranium macul.      |      |     | R. septentrion.       |        |     |
| Apocynum andros.     |      |     | Geum canadense       |      |     | Rhus radicans         |        |     |
| Aquilegia canad.     |      |     | Goodyera pubesc.     |      |     | Ribes americanum      |        |     |
| Aralia nudicaul.     |      |     | Habenaria bract.     |      |     | R. cynosbati          |        |     |
| A. racemosa          |      |     | Hamamelis virg.      |      |     | R. missouriense       |        |     |
| Arenaria later.      |      |     | Helianthus strum.    |      |     | Rosa sp.              |        |     |
| Arisaema atror.      |      |     | Hepatica acutil.     |      |     | Rubus alleghen.       |        |     |
| Asarum canad.        |      |     | Heuchera richard.    |      |     | R. occidentalis       |        |     |
| Aster macrophyll.    |      |     | Hydrastis canad.     |      |     | R. strigosus          |        |     |
| A. sagittifolius     |      |     | Hydrophyllum virg.   |      |     | Sambucus canad.       |        |     |
| A. shortii           |      |     | Hystrix patula       |      |     | Sanguinaria can.      |        |     |
| Athyrium angust.     |      |     | Impatiens biflora    |      |     | Sanicula gregaria     |        |     |
| Aureolaria grandif.  |      |     | I. pallida           |      |     | S. marilandica        |        |     |
| Botrychium vir.      |      |     | Isopyrum bitern.     |      |     | Smilacina racemosa    |        |     |
| Brachyelytrum        |      |     | Lactuca spicata      |      |     | S. stellata           |        |     |
| Campanula amer.      |      |     | Laportea canad.      |      |     | Smilax ecirrhata      |        |     |
| Carex albursina      |      |     | Lapula virgin.       |      |     | S. herbacea           |        |     |
| C. pennsylvan.       |      |     | Lathyrus ochrol.     |      |     | S. hispida            |        |     |
| Caulophyllum thal.   |      |     | Lonicera prolif.     |      |     | Solidago altissima    |        |     |
| Celastrus scan.      |      |     | Lysimachia quadr.    |      |     | S. latifolia          |        |     |
| Circaea latif.       |      |     | Maianthemum can.     |      |     | S. ulmifolia          |        |     |
| Claytonia virg.      |      |     | Menispermum can.     |      |     | Thalictrum dioicum    |        |     |
| Cornus altern.       |      |     | Mitella diphylla     |      |     | Trillium cernuum      |        |     |
| C. femina            |      |     | Monarda fistulosa    |      |     | T. flexipes           |        |     |
| C. rugosa            |      |     | Orchis spectab.      |      |     | T. grandiflorum       |        |     |
| Corylus americana    |      |     | Gryzopsis racem.     |      |     | T. recurvatum         |        |     |
| Cryptotaenia canad.  |      |     | Osmorhiza clayton.   |      |     | Triosteum perfoliatum |        |     |
| Cypripedium pubesc.  |      |     | O. longistylis       |      |     | Uvularia grandiflora  |        |     |
| Cystopteris frag.    |      |     | Osmunda clayton.     |      |     | Veronicastrum virg.   |        |     |
| Dentaria laciniata   |      |     | Panax quinquef.      |      |     | Viburnum acerifolium  |        |     |
| Desmodium acumin.    |      |     | Panicum latifolium   |      |     | V. affine             |        |     |
| D. nudiflorum        |      |     | Parietaria pennsylv. |      |     | Viola cucullata       |        |     |
| Dicentra cucullaria  |      |     | Parthenocissus vit.  |      |     | V. pubescens          |        |     |
| Dodecatheon meadia   |      |     | Phlox divaricata     |      |     | Vitis aestivalis      |        |     |
| Dryopteris spinulosa |      |     | Phryma leptostachya  |      |     | V. riparia            |        |     |
| Erigeron pulchellus  |      |     | Podophyllum pelt.    |      |     | Zanthoxylum americ.   |        |     |
| Erythronium albidum  |      |     | Polemonium reptans   |      |     | Zizia aurea           |        |     |



## I Hardwood Survey

## Presence &amp; Station Record

Stand No.:

| Tree                           | BA | S | Tree                           | BA | S | Tree                         | BA | S |
|--------------------------------|----|---|--------------------------------|----|---|------------------------------|----|---|
| Acer negundo                   |    |   | Fagus grandif.                 |    |   | Prunus virgin.               |    |   |
| A. rubrum                      |    |   | Fraxinus amer.                 |    |   | Quercus alba                 |    |   |
| A. saccharinum                 |    |   | F. nigra                       |    |   | Q. bicolor                   |    |   |
| A. saccharum                   |    |   | F. pennsylvan.                 |    |   | Q. ellipsoid.                |    |   |
| Amelanchier sp.                |    |   | Juglans cinere                 |    |   | Q. macrocarpa                |    |   |
| Betula lutea                   |    |   | J. nigra 65                    |    |   | Q. rubra                     |    |   |
| B. nigra                       |    |   | Ostrya virgin.                 |    |   | Q. velutina 295              |    |   |
| B. papyrifera                  |    |   | Populus deltoei                |    |   | Robinia pseudo               |    |   |
| Carpinus carol                 |    |   | P. grandident.                 |    |   | Sorbus americ.               |    |   |
| Carya cordifor                 | ①  |   | P. tremuloides                 |    |   | Tilia american               |    | ③ |
| C. ovata                       |    |   | Prunus americ.                 |    |   | Ulmus american               |    |   |
| Celtis occiden                 |    |   | P. pennsylvan.                 |    |   | U. fulva                     |    |   |
| Crataegus sp.                  |    |   | P. serotina                    |    |   |                              |    |   |
|                                |    |   |                                |    |   | Distance: 24'4"              |    |   |
| Actaea sp.                     |    |   | Shrubs & Herbs                 |    |   | Polygonatum commut.          |    |   |
| Adiantum pedat.                |    |   | Eupatorium purpur.             |    |   | Polygonatum pubesc.          |    |   |
| Agrimonia gryp.                |    |   | Eupatorium rugosum             |    |   | Polygonum virgin.            |    |   |
| Allium tricocc.                |    |   | Festuca obtusa                 |    |   | Potentilla simpl.            |    |   |
| Amphicarpa brac.               |    |   | Fragaria virgin.               |    |   | Prenanthes alba              |    |   |
| Anemone quinque.               |    |   | Galium aparine                 |    |   | Pteridium aquil.             |    |   |
| A. virginiana                  |    |   | G. circaezans                  |    |   | Pyrola elliptica             |    |   |
| Anemonella thal.               |    |   | <del>G. concinnum</del>        |    |   | Ranunculus abort.            |    |   |
| Antennaria sp.                 |    |   | G. lanceolatum                 |    |   | R. recurvatus                |    |   |
| Aplectrum hiem.                |    |   | <del>G. triflorum</del>        |    |   | R. septentrion.              |    |   |
| Apocynum andros.               |    |   | Geranium macul.                |    |   | Rhus radicans                |    |   |
| Aquilegia canad.               |    |   | Geum canadense                 |    |   | Ribes americanum             |    |   |
| Aralia nudicaul.               |    |   | Goodyera pubesc.               |    |   | R. cynosbati                 |    |   |
| A. racemosa                    |    |   | Habenaria bract.               |    |   | R. missouriense              |    |   |
| Arenaria later.                |    |   | Hamamelis virg.                |    |   | Rosa sp.                     |    |   |
| <del>Arisaema atror.</del>     |    |   | Helianthus strum.              |    |   | Rubus alleghen.              |    |   |
| Asarum canad.                  |    |   | Hepatica acutil.               |    |   | R. occidentalis              |    |   |
| Aster macrophyll.              |    |   | Heuchera richard.              |    |   | R. strigosus                 |    |   |
| A. sagittifolius               |    |   | Hydrastis canad.               |    |   | Sambucus canad.              |    |   |
| <del>A. shortii</del>          |    |   | <del>Hydrophyllum virg.</del>  |    |   | <del>Sanguinaria can.</del>  |    |   |
| Athyrium angust.               |    |   | Hystrix patula                 |    |   | <del>Sanicula gregaria</del> |    |   |
| Aureolaria grandif.            |    |   | Impatiens biflora              |    |   | S. marilandica               |    |   |
| Botrychium vir.                |    |   | I. pallida                     |    |   | Smilacina racemosa           |    |   |
| Brachyelytrum                  |    |   | Isopyrum bitern.               |    |   | S. stellata                  |    |   |
| Campanula amer.                |    |   | Lactuca spicata                |    |   | Smilax ecirrhata             |    |   |
| Carex albursina                |    |   | Laportea canad.                |    |   | S. herbacea                  |    |   |
| <del>C. pennsylvan.</del>      |    |   | Lappula virgin.                |    |   | S. hispida                   |    |   |
| Caulophyllum thal.             |    |   | Lathyrus ochrol.               |    |   | Solidago altissima           |    |   |
| Celastrus scan.                |    |   | Lonicera prolif.               |    |   | S. latifolia                 |    |   |
| Circaea latif.                 |    |   | Lysimachia quadr.              |    |   | S. ulmifolia                 |    |   |
| Claytonia virg.                |    |   | Maianthemum can.               |    |   | Thalictrum dioicum           |    |   |
| Cornus altern.                 |    |   | Menispermum can.               |    |   | Trillium cernuum             |    |   |
| C. femina                      |    |   | Mitella diphylla               |    |   | T. flexipes                  |    |   |
| C. rugosa                      |    |   | Monarda fistulosa              |    |   | T. grandiflorum              |    |   |
| Corylus americana              |    |   | Orchis spectab.                |    |   | T. recurvatum                |    |   |
| Cryptotaenia canad.            |    |   | Cryzopsis racem.               |    |   | Triosteum perfoliatum        |    |   |
| Cypripedium pubesc.            |    |   | Osmorhiza clayton.             |    |   | Uvularia grandiflora         |    |   |
| Cystopteris frag.              |    |   | C. longistylis                 |    |   | Veronicastrum virg.          |    |   |
| Dentaria laciniata             |    |   | <del>Osmunda clayton.</del>    |    |   | Viburnum acerifolium         |    |   |
| Desmodium acumin.              |    |   | Panax quinquef.                |    |   | V. affine                    |    |   |
| D. nudiflorum                  |    |   | Panicum latifolium             |    |   | <del>Viola cucullata</del>   |    |   |
| Dicentra cucullaria            |    |   | Parietaria pennsylv.           |    |   | V. pubescens                 |    |   |
| Dodecatheon meadia             |    |   | <del>Parthenocissus vit.</del> |    |   | Vitis aestivalis             |    |   |
| Dryopteris spinulosa           |    |   | Phlox divaricata               |    |   | V. riparia                   |    |   |
| Erigeron pulchellus            |    |   | Phryma leptostachya            |    |   | Zanthoxylum americ.          |    |   |
| <del>Erythronium albidum</del> |    |   | Podophyllum pelt.              |    |   | Zizia aurea                  |    |   |
|                                |    |   | Polemonium reptans             |    |   |                              |    |   |



## I Hardwood Survey

## Presence &amp; Station Record

Stand No.:

| Tree                 | BA | S | Tree                 | BA | S | Tree                  | BA     | S |
|----------------------|----|---|----------------------|----|---|-----------------------|--------|---|
| Acer negundo         |    |   | Fagus grandif.       |    |   | Prunus virgin.        |        |   |
| A. rubrum            |    |   | Fraxinus amer.       |    |   | Quercus alba          |        |   |
| A. saccharinum       |    |   | F. nigra             |    |   | Q. bicolor            |        |   |
| A. saccharum         |    |   | F. pennsylvan.       |    | ① | Q. ellipsoid.         |        |   |
| Amelanchier sp.      |    |   | Juglans cinere       | 39 |   | Q. macrocarpa         |        |   |
| Betula lutea         |    |   | J. nigra             |    |   | Q. rubra              |        |   |
| B. nigra             |    |   | Ostrya virgin.       |    |   | Q. velutina           |        |   |
| B. papyrifera        |    |   | Populus deltoid      |    |   | Robinia pseudo        |        |   |
| Carpinus carol       |    |   | P. grandident.       |    |   | Sorbus americ.        |        |   |
| Carya cordifor       | ③  |   | P. tremuloides       |    |   | Tilia american        |        |   |
| C. ovata             |    |   | Prunus americ.       |    |   | Ulmus american        |        |   |
| Celtis occiden       |    |   | P. pennsylvan.       |    |   | U. fulva              | 16     |   |
| Crataegus sp.        |    |   | P. serotina          |    |   |                       |        |   |
|                      |    |   |                      |    |   | Distance:             | 13' 9" |   |
| Actaea sp.           |    |   | Shrubs & Herbs       |    |   | Polygonatum commut.   |        |   |
| Adiantum pedat.      |    |   | Eupatorium purpur.   |    |   | Polygonatum pubesc.   |        |   |
| Agrimonia gryp.      |    |   | Eupatorium rugosum   |    |   | Polygonum virgin.     |        |   |
| Allium tricocc.      |    |   | Festuca obtusa       |    |   | Potentilla simpl.     |        |   |
| Amphicarpa brac.     |    |   | Fragaria virgin.     |    |   | Prenanthes alba       |        |   |
| Anemone quinque.     |    |   | Galium aparine       |    |   | Pteridium aquil.      |        |   |
| A. virginiana        |    |   | G. circaeazans       |    |   | Pyrola elliptica      |        |   |
| Anemonella thal.     |    |   | ✓G. concinnum        |    |   | Ranunculus abort.     |        |   |
| Antennaria sp.       |    |   | G. lanceolatum       |    |   | R. recurvatus         |        |   |
| Aplectrum hiem.      |    |   | ✓G. triflorum        |    |   | ✓R. septentrion.      |        |   |
| Apocynum andros.     |    |   | ✓Geranium macul.     |    |   | Rhus radicans         |        |   |
| Aquilegia canad.     |    |   | Geum canadense       |    |   | Ribes americanum      |        |   |
| Aralia nudicaul.     |    |   | Goodyera pubesc.     |    |   | R. cynosbati          |        |   |
| A. racemosa          |    |   | Habenaria bract.     |    |   | R. missouriense       |        |   |
| Arenaria later.      |    |   | Hamamelis virg.      |    |   | Rosa sp.              |        |   |
| Arisaema atrov.      |    |   | Helianthus strum.    |    |   | Rubus alleghen.       |        |   |
| Asarum canad.        |    |   | Hepatica acutil.     |    |   | R. occidentalis       |        |   |
| Aster macrophyll.    |    |   | Heuchera richard.    |    |   | R. strigosus          |        |   |
| A. sagittifolius     |    |   | Hydrastis canad.     |    |   | Sambucus canad.       |        |   |
| A. shortii           |    |   | ✓Hydrophyllum virg.  |    |   | ✓Sanguinaria can.     |        |   |
| Athyrium angust.     |    |   | ✓Hystrix patula      |    |   | ✓Sanicula gregaria    |        |   |
| Aureolaria grandif.  |    |   | Impatiens biflora    |    |   | S. marilandica        |        |   |
| Botrychium vir.      |    |   | I. pallida           |    |   | Smilacina racemosa    |        |   |
| Brachyelytrum        |    |   | Isopyrum bitern.     |    |   | S. stellata           |        |   |
| Campanula amer.      |    |   | Lactuca spicata      |    |   | Smilax ecirrhata      |        |   |
| Carex albursina      |    |   | Laportea canad.      |    |   | S. herbacea           |        |   |
| C. pennsylvan.       |    |   | Lappula virgin.      |    |   | S. hispida            |        |   |
| Caulophyllum thal.   |    |   | Lathyrus ochrol.     |    |   | Solidago altissima    |        |   |
| Celastrus scan.      |    |   | Lonicera prolif.     |    |   | S. latifolia          |        |   |
| ✓Circaea latif.      |    |   | Lysimachia quadr.    |    |   | S. ulmifolia          |        |   |
| Claytonia virg.      |    |   | Maianthemum can.     |    |   | Thalictrum dioicum    |        |   |
| Cornus altern.       |    |   | Menispermum can.     |    |   | Trillium cernuum      |        |   |
| C. femina            |    |   | Mitella diphylla     |    |   | T. flexipes           |        |   |
| C. rugosa            |    |   | Monarda fistulosa    |    |   | T. grandiflorum       |        |   |
| Corylus americana    |    |   | Orchis spectab.      |    |   | T. recurvatum         |        |   |
| Cryptotaenia canad.  |    |   | Oryzopsis racem.     |    |   | Triosteum perfoliatum |        |   |
| Cypripedium pubesc.  |    |   | ✓Osmorhiza clayton.  |    |   | Uvularia grandiflora  |        |   |
| Cystopteris frag.    |    |   | O. longistylis       |    |   | ✓Veronicastrum virg.  |        |   |
| Dentaria laciniata   |    |   | Osmunda clayton.     |    |   | Viburnum acerifolium  |        |   |
| Desmodium acumin.    |    |   | Panax quinquef.      |    |   | V. affine             |        |   |
| D. nudiflorum        |    |   | Panicum latifolium   |    |   | ✓Viola cucullata      |        |   |
| Dicentra cucullaria  |    |   | Parietaria pennsylv. |    |   | ✓V. pubescens         |        |   |
| Dodecatheon meadia   |    |   | ✓Parthenocissus vit. |    |   | Vitis aestivalis      |        |   |
| Dryopteris spinulosa |    |   | Phlox divaricata     |    |   | V. riparia            |        |   |
| Erigeron pulchellus  |    |   | Phryma leptostachya  |    |   | Zanthoxylum americ.   |        |   |
| ✓Erythronium albidum |    |   | Podophyllum pelt.    |    |   | Zizia aurea           |        |   |
|                      |    |   | Polemonium reptans   |    |   |                       |        |   |



## I Hardwood Survey

## Presence &amp; Station Record

Stand No.:

| Tree            | BA | S | Tree            | BA | S | Tree           | BA  | S |
|-----------------|----|---|-----------------|----|---|----------------|-----|---|
| Acer negundo    |    |   | Fagus grandif.  |    |   | Prunus virgin. |     |   |
| A. rubrum       |    |   | Fraxinus amer.  |    |   | Quercus alba   |     |   |
| A. saccharinum  |    |   | F. nigra        |    |   | Q. bicolor     |     |   |
| A. saccharum    |    |   | F. pennsylvan.  |    |   | Q. ellipsoid.  |     |   |
| Amelanchier sp. |    |   | Juglans cinere  |    |   | Q. macrocarpa  |     |   |
| Betula lutea    |    |   | J. nigra        |    |   | Q. rubra       |     |   |
| B. nigra        |    |   | Ostrya virgin.  |    |   | Q. velutina    |     |   |
| B. papyrifera   |    |   | Populus deltoii |    |   | Robinia pseudo |     |   |
| Carpinus carol  |    |   | P. grandident.  |    |   | Sorbus americ. |     |   |
| Carya cordifor  | 9  |   | P. tremuloides  |    |   | Tilia american | 130 |   |
| C. ovata        |    |   | Prunus americ.  |    |   | Ulmus american | 40  |   |
| Celtis occiden  |    |   | P. pennsylvan.  |    |   | U. fulva       |     |   |
| Crataegus sp.   |    |   | P. serotina     |    |   |                |     |   |

Distance: 290

Actaea sp.  
 Adiantum pedat.  
 Agrimonia gryp.  
 Allium tricocc.  
 Amphicarpa brac.  
 Anemone quinque.  
 A. virginiana  
 Anemone thal.  
 Antennaria sp.  
 Aplectrum hiem.  
 Apocynum andros.  
 Aquilegia canad.  
 Aralia nudicaul.  
 A. racemosa  
 Arenaria later.  
 Arisaema atrov.  
 Asarum canad.  
 Aster macrophyll.  
 A. sagittifolius  
 A. shortii  
 Athyrium angust.  
 Aureolaria grandif.  
 Botrychium vir.  
 Brachyelytrum  
 Campanula amer.  
 Carex albursina  
 C. pennsylvan.  
 Caulophyllum thal.  
 Celastrus scan.  
 Circaea latif.  
 Claytonia virg.  
 Cornus altern.  
 C. femina  
 C. rugosa  
 Corylus americana  
 Cryptotaenia canad.  
 Cypridium pubesc.  
 Cystopteris frag.  
 Dentaria laciniata  
 Desmodium acumin.  
 D. nudiflorum  
 Dicentra cucullaria  
 Dodecatheon meadia  
 Dryopteris spinulosa  
 Erigeron pulchellus  
 Erythronium albidum

## Shrubs &amp; Herbs

Eupatorium purpur.  
 Eupatorium rugosum  
 Festuca obtusa  
 Fragaria virgin.  
 Galium aparine  
 G. circaezans  
 G. coccineum  
 G. lanceolatum  
 G. triflorum  
 Geranium macul.  
 Geum canadense  
 Goodyera pubesc.  
 Habenaria bract.  
 Hamamelis virg.  
 Helianthus strum.  
 Hepatica acutil.  
 Heuchera richard.  
 Hydrastis canad.  
 Hydrophyllum virg.  
 Hystrix patula  
 Impatiens biflora  
 I. pallida  
 Isopyrum bitern.  
 Lactuca spicata  
 Laportea canad.  
 Lapula virgin.  
 Lathyrus ochrol.  
 Lonicera prolif.  
 Lysimachia quadr.  
 Maianthemum can.  
 Menispermum can.  
 Mitella diphylla  
 Monarda fistulosa  
 Orchis spectab.  
 Oryzopsis racem.  
 Osmorhiza clayton.  
 O. longistylis  
 Osmunda clayton.  
 Panax quinquef.  
 Panicum latifolium  
 Parietaria pennsylv.  
 Parthenocissus vit.  
 Phlox divaricata  
 Phryma leptostachya  
 Podophyllum pelt.  
 Polemonium reptans

Polygonatum commut.  
 Polygonatum pubesc.  
 Polygonum virgin.  
 Potentilla simpl.  
 Prenanthes alba  
 Pteridium aquil.  
 Pyrola elliptica  
 Ranunculus abort.  
 R. recurvatus  
 R. septentrion.  
 Rhus radicans  
 Ribes americanum  
 R. cynosbati  
 R. missouriense  
 Rosa sp.  
 Rubus alleghen.  
 R. occidentalis  
 R. strigosus  
 Sambucus canad.  
 Sanguinaria can.  
 Sanicula gregaria  
 S. marilandica  
 Smilacina racemosa  
 S. stellata  
 Smilax ecirrhata  
 S. herbacea  
 S. hispida  
 Solidago altissima  
 S. latifolia  
 S. ulmifolia  
 Thalictrum dioicum  
 Trillium cernuum  
 T. flexipes  
 T. grandiflorum  
 T. recurvatum  
 Triosteum perfoliatum  
 Uvularia grandiflora  
 Veronicastrum virg.  
 Viburnum acerifolium  
 V. affine  
 Viola cucullata  
 V. pubescens  
 Vitis aestivalis  
 V. riparia  
 Zanthoxylum americ.  
 Zizia aurea

Carex M



| Tree            | : BA | : S | Tree           | : BA | : S | Tree           | : BA | : S |
|-----------------|------|-----|----------------|------|-----|----------------|------|-----|
| Acer negundo    |      |     | Fagus grandif. |      |     | Prunus virgin. |      |     |
| A. rubrum       |      |     | Fraxinus amer. |      |     | Quercus alba   |      |     |
| A. saccharinum  |      |     | F. nigra       |      |     | Q. bicolor     |      |     |
| A. saccharum    |      |     | F. pennsylvan. |      |     | Q. ellipsoid.  |      |     |
| Amelanchier sp. |      |     | Juglans cinere |      |     | Q. macrocarpa  |      |     |
| Betula lutea    |      |     | J. nigra       |      |     | Q. rubra       |      | 405 |
| B. nigra        |      |     | Ostrya virgin. |      |     | Q. velutina    |      |     |
| B. papyrifera   |      |     | Populus deltoi |      |     | Robinia pseudo |      |     |
| Carpinus carol  |      |     | P. grandident. |      |     | Sorbus americ. |      |     |
| Carya cordifor  |      |     | P. tremuloides |      |     | Tilia american |      |     |
| C. ovata        |      |     | Prunus americ. |      |     | Ulmus american |      | 65  |
| Celtis occiden  |      |     | P. pennsylvan. |      |     | U. fulva       |      |     |
| Crataegus sp.   |      |     | P. serotina    |      |     |                |      |     |

Distance: 24'

Actaea sp.  
 Adiantum pedat.  
 Agrimonia gryp.  
 Allium tricocc.  
 Amphicarpa brac.  
 Anemone quinque.  
 A. virginiana  
 Anemonella thal.  
 Antennaria sp.  
 Aplectrum hiem.  
 Apocynum andros.  
 Aquilegia canad.  
 Aralia nudicaul.  
 A. racemosa  
 Arenaria later.  
 Arisaema atror.  
 Asarum canad.  
 Aster macrophyll.  
 A. sagittifolius  
 A. shortii  
 Athyrium angust.  
 Aureolaria grandif.  
 Botrychium vir.  
 Brachyelytrum  
 Campanula amer.  
 Carex albursina  
 C. pennsylvan.  
 Caulophyllum thal.  
 Celastrus scan.  
 Circaea latif.  
 Claytonia virg.  
 Cornus altern.  
 C. femina  
 C. rugosa  
 Corylus americana  
 Cryptotaenia canad.  
 Cypripedium pubesc.  
 Cystopteris frag.  
 Dentaria laciniata  
 Desmodium acumin.  
 D. nudiflorum  
 Dicentra cucullaria  
 Dodecatheon meadia  
 Dryopteris spinulosa  
 Erigeron pulchellus  
 Erythronium albidum

## Shrubs &amp; Herbs

Eupatorium purpur.  
 Eupatorium rugosum  
 Festuca obtusa  
 Fragaria virgin.  
 Galium aparine  
 G. circaezans  
 G. concinnum  
 G. lanceolatum  
 G. triflorum  
 Geranium macul.  
 Geum canadense  
 Goodyera pubesc.  
 Habenaria bract.  
 Hamamelis virg.  
 Helianthus strum.  
 Hepatica acutil.  
 Heuchera richard.  
 Hydrastis canad.  
 Hydrophyllum virg.  
 Hystrix patula  
 Impatiens biflora  
 I. pallida  
 Isopyrum bitern.  
 Lactuca spicata  
 Laportea canad.  
 Lappula virgin.  
 Lathyrus ochrol.  
 Lonicera prolif.  
 Lysimachia quadr.  
 Maianthemum can.  
 Menispermum can.  
 Mitella diphylla  
 Monarda fistulosa  
 Orchis spectab.  
 Oryzopsis racem.  
 Osmorhiza clayton.  
 O. longistylis  
 Osmunda clayton.  
 Panax quinquef.  
 Panicum latifolium  
 Parietaria pennsylv.  
 Parthenocissus vit.  
 Phlox divaricata  
 Phryma leptostachya  
 Podophyllum pelt.  
 Polemonium reptans

Polygonatum commut.  
 Polygonatum pubesc.  
 Polygonum virgin.  
 Potentilla simpl.  
 Prenanthes alba  
 Pteridium aquil.  
 Pyrola elliptica  
 Ranunculus abort.  
 R. recurvatus  
 R. septentrion.  
 Rhus radicans  
 Ribes americanum  
 R. cynosbati  
 R. missouriense  
 Rosa sp.  
 Rubus alleghen.  
 R. occidentalis  
 R. strigosus  
 Sambucus canad.  
 Sanguinaria can.  
 Sanicula gregaria  
 S. marilandica  
 Smilacina racemosa  
 S. stellata  
 Smilax ecirrhata  
 S. herbacea  
 S. hispida  
 Solidago altissima  
 S. latifolia  
 S. ulmifolia  
 Thalictrum dioicum  
 Trillium cernuum  
 T. flexipes  
 T. grandiflorum  
 T. recurvatum  
 Triosteum perfoliatum  
 Uvularia grandiflora  
 Veronicastrum virg.  
 Viburnum acerifolium  
 V. affine  
 Viola cucullata  
 V. pubescens  
 Vitis aestivalis  
 V. riparia  
 Zanthoxylum americ.  
 Zizia aurea

Cary M L



| Tree            | BA | S | Tree            | BA | S | Tree           | BA | S |
|-----------------|----|---|-----------------|----|---|----------------|----|---|
| Acer negundo    |    |   | Fagus grandif.  |    |   | Prunus virgin. |    |   |
| A. rubrum       |    |   | Fraxinus amer.  |    |   | Quercus alba   |    |   |
| A. saccharinum  |    |   | F. nigra        |    |   | Q. bicolor     |    |   |
| A. saccharum    |    |   | F. pennsylvan.  |    |   | Q. ellipsoid.  |    |   |
| Amelanchier sp. |    |   | Juglans cinere  |    |   | Q. macrocarpa  |    |   |
| Betula lutea    |    |   | J. nigra        |    |   | Q. rubra       |    |   |
| B. nigra        |    |   | Ostrya virgin.  |    |   | Q. velutina    |    |   |
| B. papyrifera   |    |   | Populus deltoii |    |   | Robinia pseudo |    |   |
| Carpinus carol  |    |   | P. grandident.  |    |   | Sorbus americ. |    |   |
| Carya cordifor  |    |   | P. tremuloides  |    |   | Tilia american |    |   |
| C. ovata        |    |   | Prunus americ.  |    |   | Ulmus american |    |   |
| Celtis occiden  |    |   | P. pennsylvan.  |    |   | U. fulva       |    |   |
| Crataegus sp.   |    |   | P. serotina     |    |   |                |    |   |

Distance: 35.0

Actaea sp.  
 Adiantum pedat.  
 Agrimonia gryp.  
 Allium tricocc.  
 Amphicarpa brac.  
 Anemone quinque.  
 A. virginiana  
 Anemonella thal.  
 Antennaria sp.  
 Aplectrum hiem.  
 Apocynum andros.  
 Aquilegia canad.  
 Aralia nudicaul.  
 A. racemosa  
 Arenaria later.  
 Arisaema atrov.  
 Asarum canad.  
 Aster macrophyll.  
 A. sagittifolius  
 A. shortii  
 Athyrium angust.  
 Aureolaria grandif.  
 Botrychium vir.  
 Brachyelytrum  
 Campanula amer.  
 Carex albursina  
 C. pennsylvan.  
 Caulophyllum thal.  
 Celastrus scan.  
 Circaea latif.  
 Claytonia virg.  
 Cornus altern.  
 C. femina  
 C. rugosa  
 Corylus americana  
 Cryptotaenia canad.  
 Cypripedium pubesc.  
 Cystopteris frag.  
 Dentaria laciniata  
 Desmodium acumin.  
 D. nudiflorum  
 Dicentra cucullaria  
 Dodecatheon meadia  
 Dryopteris spinulosa  
 Erigeron pulchellus  
 Erythronium albidum

## Shrubs &amp; Herbs

Eupatorium purpur.  
 Eupatorium rugosum  
 Festuca obtusa  
 Fragaria virgin.  
 Galium aparine  
 G. circaezans  
 G. concinnum  
 G. lanceolatum  
 G. triflorum  
 Geranium macul.  
 Geum canadense  
 Goodyera pubesc.  
 Habenaria bract.  
 Hamamelis virg.  
 Helianthus strum.  
 Hepatica acutil.  
 Heuchera richard.  
 Hydrastis canad.  
 Hydrophyllum virg.  
 Hystrix patula  
 Impatiens biflora  
 I. pallida  
 Isopyrum bitern.  
 Lactuca spicata  
 Laportea canad.  
 Lappula virgin.  
 Lathyrus ochrol.  
 Lonicera prolif.  
 Lysimachia quadr.  
 Maianthemum can.  
 Menispermum can.  
 Mitella diphylla  
 Monarda fistulosa  
 Orchis spectab.  
 Oryzopsis racem.  
 Osmorhiza clayton.  
 O. longistylis  
 Osmunda clayton.  
 Panax quinquef.  
 Panicum latifolium  
 Parietaria pennsylv.  
 Parthenocissus vit.  
 Phlox divaricata  
 Phryma leptostachya  
 Podophyllum pelt.  
 Polemonium reptans

Polygonatum commut.  
 Polygonatum pubesc.  
 Polygonum virgin.  
 Potentilla simpl.  
 Prenanthes alba  
 Pteridium aquil.  
 Pyrola elliptica  
 Ranunculus abort.  
 R. recurvatus  
 R. septentrion.  
 Rhus radicans  
 Ribes americanum  
 R. cynosbati  
 R. missouriense  
 Rosa sp.  
 Rubus alleghen.  
 R. occidentalis  
 R. strigosus  
 Sambucus canad.  
 Sanguinaria can.  
 Sanicula gregaria  
 S. marilandica  
 Smilacina racemosa  
 S. stellata  
 Smilax ecirrhata  
 S. herbacea  
 S. hispida  
 Solidago altissima  
 S. latifolia  
 S. ulmifolia  
 Thalictrum dioicum  
 Trillium cernuum  
 T. flexipes  
 T. grandiflorum  
 T. recurvatum  
 Triosteum perfoliatum  
 Uvularia grandiflora  
 Veronicastrum virg.  
 Viburnum acerifolium  
 V. affine  
 Viola cucullata  
 V. pubescens  
 Vitis aestivalis  
 V. riparia  
 Zanthoxylum americ.  
 Zizia aurea







## I Hardwood Survey

## Presence &amp; Station Record

Stand No.:

| Tree            | BA | S | Tree           | BA | S | Tree           | BA | S |
|-----------------|----|---|----------------|----|---|----------------|----|---|
| Acer negundo    |    |   | Fagus grandif. |    |   | Prunus virgin. |    |   |
| A. rubrum       |    |   | Fraxinus amer. |    |   | Quercus alba   |    |   |
| A. saccharinum  |    |   | F. nigra       |    |   | Q. bicolor     |    |   |
| A. saccharum    |    |   | F. pennsylvan. |    |   | Q. ellipsoid.  |    |   |
| Amelanchier sp. |    |   | Juglans cinere |    |   | Q. macrocarpa  |    |   |
| Betula lutea    |    |   | J. nigra       |    |   | Q. rubra       |    |   |
| B. nigra        |    |   | Ostrya virgin. |    |   | Q. velutina    |    |   |
| B. papyrifera   |    |   | Populus deltoi |    |   | Robinia pseudo |    |   |
| Carpinus carol  |    |   | P. grandident. |    |   | Sorbus americ. |    |   |
| Carya cordifor  |    |   | P. tremuloides |    |   | Tilia american |    |   |
| C. ovata        |    |   | Prunus americ. |    |   | Ulmus american |    |   |
| Celtis occiden  |    |   | P. pennsylvan. |    |   | U. fulva       |    |   |
| Crataegus sp.   |    |   | P. serotina    |    |   |                |    |   |

Distance: 14.5

| Shrubs & Herbs       |                      |                       |
|----------------------|----------------------|-----------------------|
| Actaea sp.           | Eupatorium purpur.   | Polygonatum commut.   |
| Adiantum pedat.      | Eupatorium rugosum   | Polygonatum pubesc.   |
| Agrimonia gryp.      | Festuca obtusa       | Polygonum virgin.     |
| Allium tricocc.      | Fragaria virgin.     | Potentilla simpl.     |
| Amphicarpa brac.     | Galium aparine       | Prenanthes alba       |
| Anemone quinque.     | G. circaezans        | Pteridium aquil.      |
| A. virginiana        | G. concinnum         | Pyrola elliptica      |
| Anemonella thal.     | G. lanceolatum       | Ranunculus abort.     |
| Antennaria sp.       | G. triflorum         | R. recurvatus         |
| Aplectrum hiem.      | Geranium macul.      | R. septentrion.       |
| Apocynum andros.     | Geum canadense       | Rhus radicans         |
| Aquilegia canad.     | Goodyera pubesc.     | Ribes americanum      |
| Aralia nudicaul.     | Habenaria bract.     | R. cynosbati          |
| A. racemosa          | Hamamelis virg.      | R. missouriense       |
| Arenaria later.      | Helianthus strum.    | Rosa sp.              |
| Arisaema atrop.      | Hepatica acutil.     | Rubus alleghen.       |
| Asarum canad.        | Heuchera richard.    | R. occidentalis       |
| Aster macrophyll.    | Hydrastis canad.     | R. strigosus          |
| A. sagittifolius     | Hydrophyllum virg.   | Sambucus canad.       |
| A. shortii           | Hystrix patula       | Sanguinaria can.      |
| Athyrium angust.     | Impatiens biflora    | Sanicula gregaria     |
| Aureolaria grandif.  | I. pallida           | S. marilandica        |
| Botrychium vir.      | Isopyrum bitern.     | Smilacina racemosa    |
| Brachyelytrum        | Lactuca spicata      | S. stellata           |
| Campanula amer.      | Laportea canad.      | Smilax ecirrhata      |
| Carex albursina      | Lappula virgin.      | S. herbacea           |
| C. pennsylvan.       | Lathyrus ochrol.     | S. hispida            |
| Caulophyllum thal.   | Lonicera proclif.    | Solidago altissima    |
| Celastrus scan.      | Lysimachia quadr.    | S. latifolia          |
| Circaea latif.       | Maianthemum can.     | S. ulmifolia          |
| Claytonia virg.      | Menispermum can.     | Thalictrum dioicum    |
| Cornus altern.       | Mitella diphylla     | Trillium cernuum      |
| C. femina            | Monarda fistulosa    | T. flexipes           |
| C. rugosa            | Orchis spectab.      | T. grandiflorum       |
| Corylus americana    | Cryzopsis racem.     | T. recurvatum         |
| Cryptotaenia canad.  | Osmorhiza clayton.   | Triosteum perfoliatum |
| Cypripedium pubesc.  | O. longistylis       | Uvularia grandiflora  |
| Cystopteris frag.    | Osmunda clayton.     | Veronicastrum virg.   |
| Dentaria laciniata   | Panax quinquef.      | Viburnum acerifolium  |
| Desmodium acumin.    | Panicum latifolium   | V. affine             |
| D. nudiflorum        | Parietaria pennsylv. | Viola cucullata       |
| Dicentra cucullaria  | Parthenocissus vit.  | V. pubescens          |
| Dodecatheon meadia   | Phlox divaricata     | Vitis aestivalis      |
| Dryopteris spinulosa | Phryma leptostachya  | V. riparia            |
| Erigeron pulchellus  | Podophyllum pelt.    | Zanthoxylum americ.   |
| Erythronium albidum  | Polemonium reptans   | Zizia aurea           |

Casey m



## I Hardwood Survey

## Presence &amp; Station Record

Stand No.:

| Tree            | BA | S | Tree                      | BA | S | Tree           | BA | S |
|-----------------|----|---|---------------------------|----|---|----------------|----|---|
| Acer negundo    |    |   | Fagus grandif.            |    |   | Prunus virgin. |    |   |
| A. rubrum       |    |   | <del>Fraxinus amer.</del> |    |   | Quercus alba   |    |   |
| A. saccharinum  |    |   | F. nigra                  |    |   | Q. bicolor     |    |   |
| A. saccharum    |    |   | F. pennsylvan.            |    |   | Q. ellipsoid.  |    |   |
| Amelanchier sp. |    |   | Juglans cinere            |    |   | Q. macrocarpa  |    |   |
| Betula lutea    |    |   | J. nigra                  |    |   | Q. rubra       |    |   |
| B. nigra        |    |   | Ostrya virgin.            |    |   | Q. velutina    |    |   |
| B. papyrifera   |    |   | Populus deltoii           |    |   | Robinia pseudo |    |   |
| Carpinus carol  |    |   | P. grandident.            |    |   | Sorbus americ. |    |   |
| Carya cordifor  | 25 | 4 | P. tremuloides            |    |   | Tilia american |    |   |
| C. ovata        |    |   | Prunus americ.            |    |   | Ulmus american |    |   |
| Celtis occiden  |    |   | P. pennsylvan.            |    |   | U. fulva       | 85 |   |
| Crataegus sp.   |    |   | P. serotina               |    |   |                |    |   |

Distance:

| Actaea sp.                     | Shrubs & Herbs              | Polygonatum commut.           |
|--------------------------------|-----------------------------|-------------------------------|
| Adiantum pedat.                | Eupatorium purpur.          | Polygonatum pubesc.           |
| Agrimonia gryp.                | Eupatorium rugosum          | Polygonum virgin.             |
| Allium tricocc.                | Festuca obtusa              | Potentilla simpl.             |
| Amphicarpa brac.               | Fragaria virgin.            | Prenanthes alba               |
| Anemone quinque.               | Galium aparine              | Pteridium aquil.              |
| A. virginiana                  | G. circaezans               | Pyrola elliptica              |
| Anemonella thal.               | G. concinnum                | Ranunculus abort.             |
| Antennaria sp.                 | G. lanceolatum              | R. recurvatus                 |
| Aplectrum hiem.                | G. triflorum                | R. septentrion.               |
| Apocynum andros.               | <del>Ceranium macul.</del>  | Rhus radicans                 |
| Aquilegia canad.               | Geum canadense              | Ribes americanum              |
| Aralia nudicaul.               | Goodyera pubesc.            | R. cynosbati                  |
| A. racemosa                    | Habenaria bract.            | R. missouriense               |
| Arenaria later.                | Hamamelis virg.             | Rosa sp.                      |
| <del>Arisaema atrop.</del>     | Helianthus strum.           | Rubus alleghen.               |
| Asarum canad.                  | Hepatica acutil.            | R. occidentalis               |
| Aster macrophyll.              | Heuchera richard.           | R. strigosus                  |
| A. sagittifolius               | Hydrastis canad.            | Sambucus canad.               |
| <del>A. shortii</del>          | Hydrophyllum virg.          | Sanguinaria can.              |
| Athyrium angust.               | Hystrix patula              | Sanicula gregaria             |
| Aureolaria grandif.            | Impatiens biflora           | S. marilandica                |
| Botrychium vir.                | I. pallida                  | <del>Smilacina racemosa</del> |
| Brachyelytrum                  | Isopyrum bitern.            | S. stellata                   |
| Campanula amer.                | Lactuca spicata             | Smilax ecirrhata              |
| Carex albursina                | Laportea canad.             | S. herbacea                   |
| C. pennsylvan.                 | Lappula virgin.             | S. hispida                    |
| Caulophyllum thal.             | Lathyrus ochrol.            | Solidago altissima            |
| Celastrus scan.                | Lonicera prolif.            | S. latifolia                  |
| <del>Circaea latif.</del>      | Lysimachia quadr.           | S. ulmifolia                  |
| Claytonia virg.                | Maianthemum can.            | Thalictrum dioicum            |
| Cornus altern.                 | Menispermum can.            | Trillium cernuum              |
| C. femina                      | Nitella diphylla            | T. flexipes                   |
| C. rugosa                      | Monarda fistulosa           | T. grandiflorum               |
| Corylus americana              | Orchis spectab.             | T. recurvatum                 |
| <del>Cryptotaenia canad.</del> | <del>Gryzopsis racem.</del> | Triosteum perfoliatum         |
| Cypripedium pubesc.            | Osmorhiza clayton.          | Uvularia grandiflora          |
| Cystopteris frag.              | O. longistylis              | Veronicastrum virg.           |
| Dentaria laciniata             | Osmunda clayton.            | Viburnum acerifolium          |
| Desmodium acumin.              | Panax quinquef.             | V. affine                     |
| D. nudiflorum                  | Panicum latifolium          | Viola cucullata               |
| Dicentra cucullaria            | Parietaria pennsylv.        | V. pubescens                  |
| Dodecatheon meadia             | Parthenocissus vit.         | Vitis aestivalis              |
| Dryopteris spinulosa           | Phlox divaricata            | V. riparia                    |
| Erigeron pulchellus            | Phryma leptostachya         | Zanthoxylum americ.           |
| Erythronium albidum            | Podophyllum pelt.           | Zizia aurea                   |
|                                | Polemonium reptans          |                               |



# I Hardwood Survey

### Presence & Station Record

Stand No.:

| Tree                 | : BA | : S | Tree                 | : BA | : S | Tree                  | : BA | : S |
|----------------------|------|-----|----------------------|------|-----|-----------------------|------|-----|
| Acer negundo         |      |     | Fagus grandif.       |      |     | Prunus virgin.        |      |     |
| A. rubrum            |      |     | Fraxinus amer.       |      |     | Quercus alba          |      |     |
| A. saccharinum       |      |     | F. nigra             |      |     | Q. bicolor            |      |     |
| A. saccharum         |      |     | F. pennsylvan.       |      |     | Q. ellipsoid.         |      |     |
| Amelanchier sp.      |      |     | Juglans cinere       | 150- |     | Q. macrocarpa         |      |     |
| Betula lutea         |      |     | J. nigra             | 70   |     | Q. rubra              |      |     |
| B. nigra             |      |     | Ostrya virgin.       |      |     | Q. velutina           |      |     |
| B. papyrifera        |      |     | Populus deltoei      |      |     | Robinia pseudo        |      |     |
| Carpinus carol       |      |     | P. grandident.       |      |     | Sorbus americ.        |      |     |
| Carya cordifor       |      |     | P. tremuloides       |      |     | Tilia american        |      |     |
| C. ovata             |      |     | Prunus americ.       |      |     | Ulmus american        |      |     |
| Celtis occiden       |      |     | P. pennsylvan.       |      |     | U. fulva              |      |     |
| Crataegus sp.        |      |     | P. serotina          |      |     |                       |      |     |
|                      |      |     |                      |      |     | Distance: 9           |      |     |
|                      |      |     | Shrubs & Herbs       |      |     |                       |      |     |
| Actaea sp.           |      |     | Eupatorium purpur.   |      |     | Polygonatum commut.   |      |     |
| Adiantum pedat.      |      |     | Eupatorium rugosum   |      |     | Polygonatum pubesc.   |      |     |
| Agrimonia gryp.      |      |     | Festuca obtusa       |      |     | Polygonum virgin.     |      |     |
| Allium tricocc.      |      |     | Fragaria virgin.     |      |     | Potentilla simpl.     |      |     |
| Amphicarpa brac.     |      |     | Galium aparine       |      |     | Prenanthes alba       |      |     |
| Anemone quinque.     |      |     | G. circaezans        |      |     | Pteridium aquil.      |      |     |
| A. virginiana        |      |     | G. eoccinnum         |      |     | Pyrola elliptica      |      |     |
| Anemonella thal.     |      |     | G. lanceolatum       |      |     | Ranunculus abort.     |      |     |
| Antennaria sp.       |      |     | G. triflorum         |      |     | R. recurvatus         |      |     |
| Aplectrum hiem.      |      |     | Geranium macul.      |      |     | R. septentrion.       |      |     |
| Apocynum andros.     |      |     | Geum canadense       |      |     | Rhus radicans         |      |     |
| Aquilegia canad.     |      |     | Goodyera pubesc.     |      |     | Ribes americanum      |      |     |
| Aralia nudicaul.     |      |     | Habenaria bract.     |      |     | R. cynosbati          |      |     |
| A. racemosa          |      |     | Hamamelis virg.      |      |     | R. missouriense       |      |     |
| Arenaria later.      |      |     | Helianthus strum.    |      |     | Rosa sp.              |      |     |
| Arisaema atrov.      |      |     | Hepatica acutil.     |      |     | Rubus alleghen.       |      |     |
| Asarum canad.        |      |     | Heuchera richard.    |      |     | R. occidentalis       |      |     |
| Aster macrophyll.    |      |     | Hydrastis canad.     |      |     | R. strigosus          |      |     |
| A. sagittifolius     |      |     | Hydrophyllum virg.   |      |     | Sambucus canad.       |      |     |
| A. shortii           |      |     | Hystrix patula       |      |     | Sanguinaria can.      |      |     |
| Athyrium angust.     |      |     | Impatiens biflora    |      |     | Sanicula gregaria     |      |     |
| Aureolaria grandif.  |      |     | I. pallida           |      |     | S. marilandica        |      |     |
| Botrychium vir.      |      |     | Isopyrum bitern.     |      |     | Smilacina racemosa    |      |     |
| Brachyelytrum        |      |     | Lactuca spicata      |      |     | S. stellata           |      |     |
| Campanula amer.      |      |     | Laportea canad.      |      |     | Smilax ecirrhata      |      |     |
| Carex albursina      |      |     | Lappula virgin.      |      |     | S. herbacea           |      |     |
| C. pennsylvan.       |      |     | Lathyrus ochrol.     |      |     | S. hispida            |      |     |
| Caulophyllum thal.   |      |     | Lonicera prolif.     |      |     | Solidago altissima    |      |     |
| Celastrus scan.      |      |     | Lysimachia quadr.    |      |     | S. latifolia          |      |     |
| Circaea latif.       |      |     | Maianthemum can.     |      |     | S. ulmifolia          |      |     |
| Claytonia virg.      |      |     | Menispermum can.     |      |     | Thalictrum dioicum    |      |     |
| Cornus altern.       |      |     | Mitella diphylla     |      |     | Trillium cernuum      |      |     |
| C. femina            |      |     | Monarda fistulosa    |      |     | T. flexipes           |      |     |
| C. rugosa            |      |     | Orchis spectab.      |      |     | T. grandiflorum       |      |     |
| Corylus americana    |      |     | Oryzopsis racem.     |      |     | T. recurvatum         |      |     |
| Cryptotaenia canad.  |      |     | Osmorhiza clayton.   |      |     | Triosteum perfoliatum |      |     |
| Cypripedium pubesc.  |      |     | O. longistylis       |      |     | Uvularia grandiflora  |      |     |
| Cystopteris frag.    |      |     | Osmunda clayton.     |      |     | Veronicastrum virg.   |      |     |
| Dentaria laciniata   |      |     | Panax quinquef.      |      |     | Viburnum acerifolium  |      |     |
| Desmodium acumin.    |      |     | Panicum latifolium   |      |     | V. affine             |      |     |
| D. nudiflorum        |      |     | Parietaria pennsylv. |      |     | Viola cucullata       |      |     |
| Dicentra cucullaria  |      |     | Parthenocissus vit.  |      |     | V. pubescens          |      |     |
| Dodecatheon meadia   |      |     | Phlox divaricata     |      |     | Vitis aestivalis      |      |     |
| Dryopteris spinulosa |      |     | Phryma leptostachya  |      |     | V. riparia            |      |     |
| Erigeron pulchellus  |      |     | Podophyllum pelt.    |      |     | Zanthoxylum americ.   |      |     |
| Erythronium albidum  |      |     | Polemonium reptans   |      |     | Zizia aurea           |      |     |



| Tree            | BA | S | Tree           | BA | S | Tree           | BA | S |
|-----------------|----|---|----------------|----|---|----------------|----|---|
| Acer negundo    |    |   | Fagus grandif. |    |   | Prunus virgin. |    |   |
| A. rubrum       |    |   | Fraxinus amer. |    |   | Quercus alba   |    |   |
| A. saccharinum  |    |   | F. nigra       |    |   | Q. bicolor     |    |   |
| A. saccharum    |    |   | F. pennsylvan. |    |   | Q. ellipsoid.  |    |   |
| Amelanchier sp. |    |   | Juglans cinere |    |   | Q. macrocarpa  |    |   |
| Betula lutea    |    |   | J. nigra       | 30 |   | Q. rubra       |    |   |
| B. nigra        |    |   | Ostrya virgin. |    |   | Q. velutina    |    |   |
| B. papyrifera   |    |   | Populus deltoi |    |   | Robinia pseudo |    |   |
| Carpinus carol  |    |   | P. grandident. |    |   | Sorbus americ. |    |   |
| Carya cordifor  |    |   | P. tremuloides |    |   | Tilia american | 94 | 4 |
| C. ovata        |    |   | Prunus americ. |    |   | Ulmus american |    |   |
| Celtis occiden  |    |   | P. pennsylvan. |    |   | U. fulva       |    |   |
| Crataegus sp.   |    |   | P. serotina    |    |   |                |    |   |

Distance: 14

|                      |  |  | Shrubs & Herbs       |  |  |                       |
|----------------------|--|--|----------------------|--|--|-----------------------|
| Actaea sp.           |  |  | Eupatorium purpur.   |  |  | Polygonatum commut.   |
| Adiantum pedat.      |  |  | Eupatorium rugosum   |  |  | Polygonatum pubesc.   |
| Agrimonia gryp.      |  |  | Festuca obtusa       |  |  | Polygonum virgin.     |
| Allium tricocc.      |  |  | Fragaria virgin.     |  |  | Potentilla simpl.     |
| Amphicarpa brac.     |  |  | Galium aparine       |  |  | Prenanthes alba       |
| Anemone quinque.     |  |  | G. circaezans        |  |  | Pteridium aquil.      |
| A. virginiana        |  |  | G. concinnum         |  |  | Pyrola elliptica      |
| Anemonella thal.     |  |  | G. lanceolatum       |  |  | Ranunculus abort.     |
| Antennaria sp.       |  |  | G. triflorum         |  |  | R. recurvatus         |
| Aplectrum hiem.      |  |  | Geranium macul.      |  |  | R. septentrion.       |
| Apocynum andros.     |  |  | Geum canadense       |  |  | Rhus radicans         |
| Aquilegia canad.     |  |  | Goodyera pubesc.     |  |  | Ribes americanum      |
| Aralia nudicaul.     |  |  | Habenaria bract.     |  |  | R. cynosbati          |
| A. racemosa          |  |  | Hamamelis virg.      |  |  | R. missouriense       |
| Arenaria later.      |  |  | Helianthus strum.    |  |  | Rosa sp.              |
| Arisaema atror.      |  |  | Hepatica acutil.     |  |  | Rubus alleghen.       |
| Asarum canad.        |  |  | Heuchera richard.    |  |  | R. occidentalis       |
| Aster macrophyll.    |  |  | Hydrastis canad.     |  |  | R. strigosus          |
| A. sagittifolius     |  |  | Hydrophyllum virg.   |  |  | Sambucus canad.       |
| A. shortii           |  |  | Hystrix patula       |  |  | Sanguinaria can.      |
| Athyrium angust.     |  |  | Impatiens biflora    |  |  | Sanicula gregaria     |
| Aureolaria grandif.  |  |  | I. pallida           |  |  | S. marilandica        |
| Botrychium vir.      |  |  | Isopyrum bitern.     |  |  | Smilacina racemosa    |
| Brachyelytrum        |  |  | Lactuca spicata      |  |  | S. stellata           |
| Campanula amer.      |  |  | Laportea canad.      |  |  | Smilax ecirrhata      |
| Carex albusina       |  |  | Lappula virgin.      |  |  | S. herbacea           |
| C. pennsylvan.       |  |  | Lathyrus ochrol.     |  |  | S. hispida            |
| Caulophyllum thal.   |  |  | Lonicera prolif.     |  |  | Solidago altissima    |
| Celastrus scan.      |  |  | Lysimachia quadr.    |  |  | S. latifolia          |
| Circaea latif.       |  |  | Maianthemum can.     |  |  | S. ulmifolia          |
| Claytonia virg.      |  |  | Menispermum can.     |  |  | Thalictrum dioicum    |
| Cornus altern.       |  |  | Mitella diphylla     |  |  | Trillium cernuum      |
| C. femina            |  |  | Monarda fistulosa    |  |  | T. flexipes           |
| C. rugosa            |  |  | Orchis spectab.      |  |  | T. grandiflorum       |
| Corylus americana    |  |  | Oryzopsis racem.     |  |  | T. recurvatum         |
| Cryptotaenia canad.  |  |  | Osmorhiza clayton.   |  |  | Triosteum perfoliatum |
| Cypripedium nubesc.  |  |  | O. longistylis       |  |  | Uvularia grandiflora  |
| Cystopteris frag.    |  |  | Osmunda clayton.     |  |  | Veronicastrum virg.   |
| Dentaria laciniata   |  |  | Panax quinquef.      |  |  | Viburnum acerifolium  |
| Desmodium acumin.    |  |  | Panicum latifolium   |  |  | V. affine             |
| D. nudiflorum        |  |  | Parietaria pennsylv. |  |  | Viola cucullata       |
| Dicentra cucullaria  |  |  | Parthenocissus vit.  |  |  | V. pubescens          |
| Dodecatheon meadia   |  |  | Phlox divaricata     |  |  | Vitis aestivalis      |
| Dryopteris spinulosa |  |  | Phryma leptostachya  |  |  | V. riparia            |
| Erigeron pulchellus  |  |  | Podophyllum pelt.    |  |  | Zanthoxylum americ.   |
| Erythronium albidum  |  |  | Polemonium reptans   |  |  | Zizia aurea           |



## I Hardwood Survey

## Presence &amp; Station Record

Stand No.: 9

| Tree            | : BA | : S | Tree                  | : BA | : S | Tree           | : BA | : S |
|-----------------|------|-----|-----------------------|------|-----|----------------|------|-----|
| Acer negundo    |      |     | Fagus grandif.        |      |     | Prunus virgin. |      |     |
| A. rubrum       |      |     | Fraxinus amer.        |      |     | Quercus alba   |      |     |
| A. saccharinum  |      |     | F. nigra <i>green</i> |      |     | Q. bicolor     |      |     |
| A. saccharum    |      |     | F. pennsylvan.        |      |     | Q. ellipsoid.  |      |     |
| Amelanchier sp. |      |     | Juglans cinere        |      |     | Q. macrocarpa  |      |     |
| Betula lutea    |      |     | J. nigra              | 63x  |     | Q. rubra       |      |     |
| B. nigra        |      |     | Ostrya virgin.        |      |     | Q. velutina    |      |     |
| B. papyrifera   |      |     | Populus deltoei       |      |     | Robinia pseudo |      |     |
| Carpinus carol  |      |     | P. grandident.        |      |     | Sorbus americ. |      |     |
| Carya cordifor  |      |     | P. tremuloides        |      |     | Tilia american |      | 3   |
| C. ovata        |      |     | Prunus americ.        |      |     | Ulmus american |      |     |
| Celtis occiden  |      |     | P. pennsylvan.        |      |     | U. fulva       | 130  |     |
| Crataegus sp.   |      |     | P. serotina           |      |     |                |      |     |

Distance: 18.0

|                      |  |  | Shrubs & Herbs       |  |  |                       |  |  |
|----------------------|--|--|----------------------|--|--|-----------------------|--|--|
| Actaea sp.           |  |  | Eupatorium purpur.   |  |  | Polygonatum commut.   |  |  |
| Adiantum pedat.      |  |  | Eupatorium rugosum   |  |  | Polygonatum pubesc.   |  |  |
| Agrimonia gryp.      |  |  | Esetuca obtusa       |  |  | Polygonum virgin.     |  |  |
| Allium tricocc.      |  |  | Fragaria virgin.     |  |  | Potentilla simpl.     |  |  |
| Amphicarpa brac.     |  |  | Galium aparine       |  |  | Prenanthes alba       |  |  |
| Anemone quinque.     |  |  | G. circaezans        |  |  | Pteridium aquil.      |  |  |
| A. virginiana        |  |  | G. concinnum         |  |  | Pyrola elliptica      |  |  |
| Anomonella thal.     |  |  | G. lanceolatum       |  |  | Ranunculus abort.     |  |  |
| Antennaria sp.       |  |  | G. triflorum         |  |  | R. recurvatus         |  |  |
| Aplectrum hiem.      |  |  | Geranium macul.      |  |  | R. septentrion.       |  |  |
| Apocynum andros.     |  |  | Geum canadense       |  |  | Rhus radicans         |  |  |
| Aquilegia canad.     |  |  | Goodyera pubesc.     |  |  | Ribes americanum      |  |  |
| Aralia nudicaul.     |  |  | Habenaria bract.     |  |  | R. cynosbati          |  |  |
| A. racemosa          |  |  | Hamamelis virg.      |  |  | R. missouriense       |  |  |
| Arenaria later.      |  |  | Helianthus strum.    |  |  | Rosa sp.              |  |  |
| Arisaema atrop.      |  |  | Hepatica acutil.     |  |  | Rubus alleghen.       |  |  |
| Asarum canad.        |  |  | Heuchera richard.    |  |  | R. occidentalis       |  |  |
| Aster macrophyll.    |  |  | Hydrastis canad.     |  |  | R. strigosus          |  |  |
| A. sagittifolius     |  |  | Hydrophyllum virg.   |  |  | Sambucus canad.       |  |  |
| A. shortii           |  |  | Hystrix patula       |  |  | Sanguinaria can.      |  |  |
| Athyrium angust.     |  |  | Impatiens biflora    |  |  | Sanicula gregaria     |  |  |
| Aureolaria grandif.  |  |  | I. pallida           |  |  | S. marilandica        |  |  |
| Botrychium vir.      |  |  | Isopyrum bitern.     |  |  | Smilacina racemosa    |  |  |
| Brachyelytrum        |  |  | Lactuca spicata      |  |  | S. stellata           |  |  |
| Campanula amer.      |  |  | Laportea canad.      |  |  | Smilax ecirrhata      |  |  |
| Carex albursina      |  |  | Lapoula virgin.      |  |  | S. herbacea           |  |  |
| C. pennsylvan.       |  |  | Lathyrus ochrol.     |  |  | S. hispida            |  |  |
| Caulophyllum thal.   |  |  | Lonicera prolif.     |  |  | Solidago altissima    |  |  |
| Celastrus scan.      |  |  | Lysimachia quadr.    |  |  | S. latifolia          |  |  |
| Circaea latif.       |  |  | Maianthemum can.     |  |  | S. ulmifolia          |  |  |
| Claytonia virg.      |  |  | Menispermum can.     |  |  | Thalictrum dioicum    |  |  |
| Cornus altern.       |  |  | Nitella diphylla     |  |  | Trillium cernuum      |  |  |
| C. femina            |  |  | Monarda fistulosa    |  |  | T. flexipes           |  |  |
| C. rugosa            |  |  | Orchis spectab.      |  |  | T. grandiflorum       |  |  |
| Corylus americana    |  |  | Oryzopsis racem.     |  |  | T. recurvatum         |  |  |
| Cryptotaenia canad.  |  |  | Osmorhiza clayton.   |  |  | Triosteum perfoliatum |  |  |
| Cypripedium pubesc.  |  |  | O. longistylis       |  |  | Uvularia grandiflora  |  |  |
| Cystopteris frag.    |  |  | Osmunda clayton.     |  |  | Veronicastrum virg.   |  |  |
| Dentaria laciniata   |  |  | Panax quinquef.      |  |  | Viburnum acerifolium  |  |  |
| Desmodium acumin.    |  |  | Panicum latifolium   |  |  | V. affine             |  |  |
| D. nudiflorum        |  |  | Parietaria pennsylv. |  |  | Viola cucullata       |  |  |
| Dicentra cucullaria  |  |  | Parthenocissus vit.  |  |  | V. pubescens          |  |  |
| Dodecatheon meadia   |  |  | Phlox divaricata     |  |  | Vitis aestivalis      |  |  |
| Dryopteris spinulosa |  |  | Phryma leptostachya  |  |  | V. riparia            |  |  |
| Erigeron pulchellus  |  |  | Podophyllum pelt.    |  |  | Zanthoxylum americ.   |  |  |
| Erythronium albidum  |  |  | Polemonium reptans   |  |  | Zizia aurea           |  |  |

Carey m



**TYPE:**



| STATION NO.             | P. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | #  | Q. |    |
|-------------------------|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| SHRUBS & HERBS (Cont'd) |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Allium canad.           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. tricoccum            | ✓  | ✓ |   |   |   |   |   |   |   |   |    |    |    | ✓  |    |    |    |    |    |    |    | 2  | 10 |    |
| Amorpha canescens       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Amphicarpa brac.        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. b. v. comosa         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Anaphalis marg.         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Anemone cylindr.        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. quinquefolia         | ✓  |   | ✓ | ✓ |   |   |   |   |   |   | ✓  |    |    |    |    | ✓  |    |    |    |    |    | 4  | 20 |    |
| A. virginiana           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Anemonella thal.        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Antennaria sp.          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Aplectrum hiem.         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Apocynum andros.        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Aquilegia cana.         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Arabis canadens.        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. laevigata            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. lyrata               |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. perstellata          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Aralia hispida          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Aralia nudicaul.        | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. racemosa             |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Arenaria laterif.       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Arisaema atror.         | ✓  | ✓ |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  |    |    | ✓  |    |    | ✓  | ✓  | ✓  |    | 11 | 55 |    |
| A. dracontium           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Asarum canad.           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Asclepias ovalif.       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. phytolaccoides       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Aster azureus           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. lateriflorus         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. macrophyllus         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. paniculatus          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. Prenanthoides        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. sagittifolius        | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. shortii              | ✓  |   |   |   |   | ✓ | ✓ | ✓ | ✓ |   | ✓  | ✓  |    |    |    |    | ✓  | ✓  | ✓  | ✓  | ✓  | 11 | 55 |    |
| Athyrium angust.        | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. pycnocaroon          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| A. thelypter.           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Aureolaria gran.        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Besseya bullii          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Boehmeria cylin.        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Botrychium multif       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| v. intermedium          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| B. virginianum          | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Brachyelytrum er.       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Bromus purgans          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Campanula americ.       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Camptosorus rhizop.     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex albursina         | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| C. convoluta            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| C. pennsylvan.          | ✓  |   |   |   |   |   | ✓ | ✓ | ✓ |   |    | ✓  |    |    |    |    |    |    |    |    |    |    | 4  | 20 |
| Castilleja coccin.      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |



## Hardwood Survey (Cont'd)

[illegible]



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[illegible]







