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[s.l.]: [s.n.], 1956-05-19

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POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1236

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata			1						13	
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus ^{perusalis} am			1			25		1	2	3
F. nigra										
Juglans cin.										
J. nigra	3		1		130	25				
Ostrya virg	1	1			1	1				
Populus gran										
P. tremul										
Prunus serot										
Quercus alba										
Q. ellipsoid										
Q. macrocarpa								1	70	100 80
Q. rubra										
Q. velutina			30			65 140	1	2	55	100 22 70
Tilia amer		1	30	1			12			
Ulmus amer										
Ulmus fulva				30	1	1				
Quercus muhlen	40, 30 40, 35	85, 50 65, 15	2 85	15, 1 85	40, 3 40, 20	12, 55 110	1	2	120 35 80	45 150 70
Distance	7, 1, 19 1/2 7	4, 5 1/2 9 1/2, 10	1 1/2, 7 13, 6	14, 15 10, 6	9, 8, 7, 20	18, 13 7, 21	10 8 1/2 4 19	12 12 7 29	4 7 1/2 19 15	6 8 9 1/2 16
	5, 18 15, 16	17, 20 24, 27	6, 39 26, 34	10, 12 1/2 10, 28	5 1/2, 8 12 1/2, 25	14 1/2, 5 15, 17	14 25 21 19	8 22 11	12 1/2 13 10 1/2 8	6 5 21 36

Saps

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1236

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord										
C. ovata									24	11
Celtis occ										1
Crataegus sp.										
Fagus grand										
Fraxinus am										
^{red} F. nigra			1		1	18	1	45 30	1	11
Juglans cin.										
J. nigra	1	22	1	25 22	11	1	16	11	140	11
Ostrya virg										
Populus gran										
P. tremul										
Prunus serot										
Quercus alba										
Q. ellipsoid										
Q. macrocarpa								20	65	1
Q. rubra										12
Q. velutina										
Tilia amer			1						15	1
Ulmus amer										
Ulmus fulva		1		35	30	35	1			
Q. muhlenbergia	24 18 75 90	11 18	1 18	18 30	13, 45 17	11 30, 16	70	1 35	11 70	
Distance	4, 8, 22 20	3, 7, 17, 10	2, 4, 22 "	5, 7, 19, 8	5, 5, 20, 10	6, 16, 20 23	7, 13, 13, 7	13, 14, 18 11	20, 18, 9 12	4, 12, 21 30,
	4, 11, 21, 10 5" A. 1	3, 4, 10 5	7, 7, 24, 16	13, 8, 5, 17	6, 5, 11 8 (5")	25, 11, 17 17	13, 27, 17 27	11, 10, 12 27	7, 22, 25 17	7, 11, 7 35 6" A.

Lowest

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1236

STATION NO.	1	2	3	4	5	6	7	8	9	10
Acer rubrum										
A. saccharum										
Betula papy.					18.0' 20	23' 20				
Carpinus car										
Carya cord										
C. ovata										
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra Red Ash	7.0' 58	16' 32	18' 12			16.0' 13		21.0' 30	7.5' 35	
Juglans cin.								11.0' 14	26.0' 35	
J. nigra	20.0' 60					3.5' 12			14.0' 12	
Ostrya virg										
Populus gran										
P. tremul							30' 16			
Prunus serot		10.0' 17		9.0' 25			35' 18			
Quercus alba										
Q. ellipsoid										
Q. macrocarpa								33' 45	28' 140	
Q. rubra										
Q. velutina										
Tilia amer			17' 25							
Ulmus amer	8' 12									
Ulmus fulva			21.0' 25	22.0' 35	24.0' 20		2.0' 90			
Q. muhlenbergii	10.0' 20	13.5' 17	14.5' 70	8.5' 258	6.0' 12	5.0' 15	6.0' 12	37.0' 35		10' 15
Juglans nigra	16'	21.0' 20		14.0' 130	11.5' 130					8' 17
Q. muhlenbergii	14.0'	22.0'	28.0'	15'	15'	7'	14.0'		5'	12' 20'
Distance		15.0' 23.0	13.0' 10.0'	21.0'		5'				

Upland

3'

Prunus pen.

13.5'

Amel 22'

Amel 23'

Amel 24'

Red Ash 17'

Red Ash 22'

U. fulva 7'

U. fulva 7'

13.0' "

30.0' "

14.5' Ash

14.5' Ash

11 Ash

11 Ash

Ash 17'

Ash 17'

No

No

Yellowwood

Yellowwood

6'

6'

Suplery

Suplery

here

here

(8)

Chinquapin Oak

Wyalusing 5/56

1236

Tree	No. : Pts. : Tr.	No. : Dom.	No. Pts. : Sap.	No. : Sap.	F. % : Sap.	D. % : Sap.	Seed : Seed	F. % : Tr.	F. % : Tr.	D. % : Tr.	Dom. % : Trees	I. I. :	C. I. :		
<i>Amelanchier</i>															
<i>Acer rubrum</i>			2	2	2.59	1.66									
<i>A. saccharum</i>															
<i>Carya cord.</i>				1	1	1.29	0.83								
<i>C. ovata</i>	2	2	37	2	4	2.59	3.33		2.59	1.66	0.66	4.91	22.1		
<i>Celtis occiden.</i>															
<i>Fagus grand.</i>															
<i>Fraxinus amer.</i>															
<i>F. lanceolata</i>															
<i>F. pennsylvani</i>	9	14	384	17	26	22.06	21.66		11.68	11.66	6.93	30.27	60.5		
<i>Juglans cinere</i>															
<i>J. nigra</i>	11	14	635	13	20	16.87	16.66		14.27	11.66	11.46	37.39	235.6		
<i>Ostrya virgin.</i>				4	4	5.19	3.33								
<i>Populus grand.</i>															
<i>P. tremuloides</i>	1	2	65						1.29	1.66	1.17	4.12	4.1		
<i>Prunus serotin</i>	2	2	42	1	1	1.29	0.83		2.59	1.66	0.76	5.01	18.0		
<i>Quercus alba</i>															
<i>Q. ellipsoidalis</i>															
<i>Q. macrocarpa</i>	7	8	630	2	2	2.59	1.66		9.08	6.66	11.37	27.11	27.1		
<i>Q. rubra</i>	1	1	12	1	1	1.29	0.83		1.29	0.83	0.21	2.33	13.0		
<i>Q. velutina</i>	5	7	482	3	5	3.89	4.16		6.49	5.83	8.70	21.02	52.6		
<i>Tilia american</i>	4	4	82	5	5	6.49	4.16		5.19	3.33	1.48	10.00	73.0		
<i>Ulmus american</i>															
<i>U. rubra</i>															
<i>Betula papyrifera</i>	2	2	40						2.59	1.66	0.72	4.97	9.1		
<i>Q. muhlenbergii</i>	25	56	2829	20	35	25.96	29.16		32.45	46.66	51.06	130.17	130.2		
<i>Ulmus sp.</i>	8	8	300	7	8	9.08	6.66		10.38	6.66	5.42	22.46	45.0		
	77	120	5538	78	120										

Ave. Dist.
Btw'n Trees
13.18'

Ave. BA
(Total 120
BA ÷ 80)
46.15

No. Trees
Per acre
250.7

Dom. per
acre

80.34 sp. ft.

80.34
144
32136
32136
8034
1156896

1/77 = 1.298
1/120 = 0.8333

CT = 690.3

Stand 8

Chinquapin Oak

29 pts

Saplings	# Saps	# pts
<i>Carya ovata</i>	4	2
<i>Fraxinus pennsylvanica</i>	26	17
<i>Fraxinus americana</i>		
<i>Juglans nigra</i>	20	13
<i>Ostrya virginiana</i>	4	4
<i>Quercus macrocarpa</i>	2	2
<i>Quercus muhlenbergii</i>	35	20
<i>Quercus velutina</i>	5	3
<i>Tilia americana</i>	5	5
<i>Ulmus</i> sp.?	8	7
<i>Carya cordiformis</i>	1	1
<i>Amelanchier</i>	2	2
<i>Prunus serotina</i>	1	1
<i>Quercus rubra</i>	1	1

26017
1737

Trees (30 pts)	# trees	# pts	Dom	
<i>Betula papyrifera</i>	2	2	40	0.72
<i>Carya ovata</i>	2	2	37	0.66
<i>Fraxinus pennsylvanica</i>	14	9	384	6.93
<i>Juglans nigra</i>	14	11	635	11.46
<i>Populus tremuloides</i>	2	1	65	1.17
<i>Prunus serotina</i>	2	2	42	0.76
<i>Quercus macrocarpa</i>	8	7	630	11.37
<i>Quercus muhlenbergii</i>	56	25	2829	51.06
<i>Quercus rubra</i>	1	1	12	0.21
<i>Quercus velutina</i>	7	5	482	8.70
<i>Tilia americana</i>	4	4	82	1.48
<i>Ulmus</i> sp.	8	8	300	5.42
			5538	1805

Total Dist 1149/60

1582/120 = 13.18'

250.7 trees/acre

Chinquapin

Presence List
(Uncommon species)

SOUTHERN UPLAND HARDWOODS

Stand No. 1236

NE of SW of SW of 16

Sec: T: 6 N R: 6 W

Locality: Wyalusing Scientific Area County: Grant

Date: 5/19/56 Observers: Bot. 200

Size of Stand: 10 acres Size of Area Sampled: 10 acres

Condition of Stand: Undisturbed - no fire since before 1915 Type: Chinquapin Oak

Acalypha rhomboidea

Agastache scrophul.

Allium canadense

7 Amorphia canescens 1

Anaphalis margarit.

7 Anemone cylindrica 1

Arabis canadensis

A. laevigata

A. lyrata

A. perstellata

Aralia pispida

Arisaema dracont.

Asclepias ovalif.

A. exaltata

Aster azureus

A. simplex

A. prenanthoides

Athyrium thelypter.

Boehmeria cylindr.

Botrychium multif.

Bromus purgans

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 cuspidatum

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 maximum

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

Lysimachia ciliata

L. hybrida

Miliun effusum

Mitchella repens

Monotropa uniflora

Oenoclea sensibilis

Oryzopsis asperif.

Osmunda cinnamomea

Oxalis violacea

Panax trifolium

Paronychia canad.

Pedicularis canad.

Physocarpus opul.

Phytolacca americana

Pilea pumila

Polymnia canad.

Polypodium vulgare

Prunella vulgaris

Pteretis pensylvanica

Pyrus coronaria

P. ioensis

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 pauperculus

Silene stellata

Solanum nigrum

Solidago speciosa

7 Staphylea trifolia 1

Streptopus roseus

Symplocarpus foet.

Taenidia integerr.

Taxus canadensis

Thalictrum dasycarp.

Thaspium aureum

Tradescantia ohio.

Urtica sessilif.

Vaccinium myrtilloides

Veronica serpyllif.

Viburnum lentago

V. trilobum

Vicia americana

Viola conspersa

V. incognita

Wulfenia bullii

Additional Species:

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1236
Quadrat No.

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius
4, 2 A. shortii
Athyrum filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica
Caulophyllum thalictroides
5 Celastrus scandens
Circaea quadrisulcata
Claytonia virginiana
Cornus alternifolia
3 C. femina
C. rugosa
Corylus americana
3 Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
3, 1 Erigeron pulchellus sp.
Erythronium albidum
Eupatorium purpureum

Additional species:

Euc

4 Anemone cylindrica

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
3 G. concinnum
G. lanceolatum
G. triflorum
3 Geranium maculatum
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
5, 3 Helianthus strumosus
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
4 Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
5 Osmorhiza clayton. (large)
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica
Parthenocissus inserta
Phlox divaricata
Phryma leptostachya
Podophyllum peltatum
Polemonium reptans

5, 4, 3, 2, 1 Poa pratensis

5, 4 Frag. amer

4 Polygonatum canaliculatum
2 Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans
Ribes americanum
R. cynosbati
R. missouriense
Rosa sp.
Rubus allegheniensis
3 R. occidentalis
R. strigosus
Sambucus canadensis
Sanguinaria canadensis
Sanicula gregaria
S. marilandica
Smilacina racemosa
S. stellata
5, 3 Smilax ecirrhata
S. herbacea
S. tamnoides
Solidago altissima
S. flexicaulis
4, 1 S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum
Viola cucullata
V. pubescens
Vitis aestivalis
V. riparia
5, 1 Xanthoxylum americ.
Zizia aurea

4, 3, 1 Ulmus fulvus

2 Staphylea

Data Form No. 40

Plant Ecology Research

Univ. of Wisconsin

Presence or Frequency
(Common species only)

Chinquapin
SOUTHERN UPLAND HARDWOODS

Stand No. 1236
Quadrat No.

- | | | |
|-----------------------------|------------------------------|---------------------------|
| Actaea pachypoda | 1 Eupatorium rugosum | Polygonatum canaliculatum |
| Adiantum pedatum | Festuca obtusa | 2 Polygonatum pubescens |
| Agrimonia gryposepala | Fragaria virginiana | Potentilla simplex |
| Allium tricoccum | Galium aparine | ✓ Prenanthes alba |
| Amphicarpa braceata | G. circaezans | Pteridium aquilinum |
| Anemone quinquefolia | 4 3 G. concinnum | Pyrola elliptica |
| 1 A. virginiana | G. lanceolatum | Ranunculus abortivus |
| Anemonella thalictroides | G. triflorum | R. recurvatus |
| Antennaria sp. | Geranium maculatum | R. septentrionalis |
| Aplectrum hiemale | Gerardia grandiflora | ✓ Rhus radicans |
| 2 Apocynum androsaemifolium | 1 Geum canadense | Ribes americanum |
| Aquilegia canadensis | Goodyera pubescens | ✓ R. cynosbati |
| Aralia nudicaulis | Habenaria bracteata | R. missouriense |
| A. racemosa | Hackelia virginica | Rosa sp. |
| Arenaria lateriflora | Hamamelis virginiana | Rubus allegheniensis |
| ✓ Arisaema atrorubens | 54 32 ✓ Helianthus strumosus | 4 1 ✓ R. occidentalis |
| Asarum canadensis | Hepatica acutiloba | R. strigosus |
| Aster macrophyllus | Heuchera richardsonii | Sambucus canadensis |
| A. sagittifolius | Hydrastis canadensis | Sanguinaria canadensis |
| 1 ✓ A. shortii | Hydrophyllum virginianum | Sanicula gregaria |
| Athyrium filix-femina | Hystrix patula | S. marilandica |
| Botrychium virginianum | Impatiens capensis | ✓ Smilacina racemosa |
| Brachyelytrum erectum | I. pallida | S. stellata |
| Campanula americana | Isopyrum biternatum | 2 Smilax ecirrhata |
| Carex albursina | ✓ Lactuca biennis | 53 S. herbacea |
| 54 3 C. pensylvanica | Laportea canadensis | ✓ S. tamnoides |
| Caulophyllum thalictroides | ✓ Lathyrus ochroleucus | Solidago altissima |
| 5 ✓ Celastrus scandens | Lonicera prolifera | S. flexicaulis |
| Circaea quadrisulcata | Lysimachia quadrifolia | ✓ S. ulmifolia |
| Claytonia virginiana | Maianthemum canadensis | Thalictrum dioicum |
| Cornus alternifolia | Menispermum canadensis | Tovara virginiana |
| 42 ✓ C. femina | Mitella diphylla | Trillium cernuum |
| ✓ C. rugosa | 54 32 ✓ Monarda fistulosa | T. flexipes |
| 4 22 Corylus americana | Orchis spectabilis | T. grandiflorum |
| 1 Cryptotaenia canadensis | Oryzopsis racemosa | T. recurvatum |
| Cypripedium pubescens | 1 Osmorhiza clayton. | ✓ Triosteum perfoliatum |
| Cystopteris fragilis | O. longistylis | ✓ Uvularia grandiflora |
| Dentaria laciniata | Osmunda claytoni | Veronicastrum virginicum |
| 53 Desmodium glutinosum | Panax quinquefolia | Viburnum acerifolium |
| D. nudiflorum | Panicum latifolium | V. rafinesquianum |
| Dicentra cucullaria | Parietaria pennsylvanica | 42 Viola cucullata |
| Dodecatheon meadia | 31 ✓ Parthenocissus inserta | V. pubescens |
| Dryopteris spinulosa | Phlox divaricata | Vitis aestivalis |
| Erigeron pulchellus | Phryma leptostachya | ✓ V. riparia |
| Erythronium albidum | Podophyllum peltatum | 2 ✓ Xanthoxylum americ. |
| Eupatorium purpureum | Polemonium reptans | Zizia aurea |

Additional species:

1 Cr. discolor

✓ R. atibida

✓ Anemone cylindrica

54 21. Poe compressa

2 Erigeron

✓ Phlox pilosa

5 Amorpha

5 Physalis heterophylla

5 Coreopsis

5 Convolvulus sepium

54 21 Ostrya

✓ P. virginiana

3 Frax penn

✓ Juniperus virgin

5 Red Oak

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

14 quadrats

Stand No. 1236
Quadrat No.

Actaea pachypoda	7 Eupatorium rugosum 1	7 Polygonatum canaliculatum 1
Adiantum pedatum	Festuca obtusa	14 Polygonatum pubescens 2
Agrimonia gryposepala	Fragaria virginiana	Potentilla simplex
Allium tricoccum	Galium aparine	17 Prenanthes alba 1, 1
Amphicarpa braceata	G. circaeazans	Pteridium aquilinum
Anemone quinquefolia	29 G. concinnum 1 4	Pyrola elliptica
7 A. virginiana 1	G. lanceolatum	Ranunculus abortivus
Anemonella thalictroides	G. triflorum	R. recurvatus
Antennaria sp.	7 Geranium maculatum 1	R. septentrionalis
Aplectrum hiemale	Gerardia grandiflora	1 Rhus radicans
7 Apocynum androsaemifolium 1	7 Geum canadense 1	Ribes americanum
Aquilegia canadensis	Goodyera pubescens	1 R. cynosbati
Aralia nudicaulis	Habenaria bracteata	R. missouriense
A. racemosa	Hackelia virginica	Rosa sp.
Arenaria lateriflora	Hamamelis virginiana	7 Rubus allegheniensis 1
7 Arisaema atrorubens 1 1	71 x Helianthus strumosus 3, 7, 9 10 29	R. occidentalis 4
Asarum canadensis	Hepatica acutiloba	R. strigosus
Aster macrophyllus	Heuchera richardsonii	Sambucus canadensis
7 A. sagittifolius 5 1	Hydrastis canadensis	Sanguinaria canadensis
36 A. shortii 1, 9 5	Hydrophyllum virginianum	Sanicula gregaria
Athyrium filix-femina	Hystrix patula	S. marilandica
Botrychium virginianum	Impatiens capensis	1 Smilacina racemosa
Brachyelytrum erectum	I. pallida	14 S. stellata 3, 7 2
Campanula americana	Isopyrum bitermum	29 Smilax ecirrhata 9 4
Carex albursina	14 Lactuca biennis 5, 9 2	14 S. herbacea 2
21 C. pensylvanica 3	Laportea canadensis	1 S. tamnoides
Caulophyllum thalictroides	1 Lathyrus ochroleucus	Solidago altissima
36 Celastrus scandens 1, 3, 9 5	Lonicera prolifera	S. flexicaulis
Circaea quadrisulcata	Lysimachia quadrifolia	29 S. ulmifolia 1, 9 4
Claytonia virginiana	Maianthemum canadensis	Thalictrum dioicum
Cornus alternifolia	Menispermum canadensis	Tovara virginiana
43 C. femina 1, 5, 9 6	Mitella diphylla	Trillium cernuum
21 C. rugosa 1, 3, 5 3	57 Monarda fistulosa 1, 5, 9 8	T. flexipes
21 Corylus americana 3	Orchis spectabilis	T. grandiflorum
14 Cryptotaenia canadensis 2	Oryzopsis racemosa	T. recurvatum
Cypripedium pubescens	14 Osmorhiza clayton. 2	1 Triosteum perfoliatum
Cystopteris fragilis	O. longistylis	1 Uvularia grandiflora
Dentaria laciniata	Osmunda claytoni	Veronicastrum virginicum
14 Desmodium glutinosum 2	Panax quinquefolia	Viburnum acerifolium
D. nudiflorum	Panicum latifolium	V. rafinesquianum
Dicentra cucullaria	Parietaria pennsylvanica	29 Viola cucullata 3, 9 4
Dodecatheon meadia	36 Parthenocissus inserta 5	V. pubescens
Dryopteris spinulosa	Phlox divaricata	Vitis aestivalis
14 Erigeron pulchellus 2	Phryma leptostachya	1 V. riparia
Erythronium albidum	Podophyllum peltatum	21 Xanthoxylum americ. 3
Eupatorium purpureum	Polemonium reptans	Zizia aurea

Additional species:

Ulmus fulva 1, 7
Sagittaria - 3
Corylus americana 7

Parthenocissus quinquefolia 1, 3, 7

Poa sp. 5

Rubus blackberry 7,
" raspberry 9

Ratibida, 9

71 Poa compressa 10
36 Ulmus rubra 5
7 Ratibida pinnata 1
7 Cirsium discolor 1
7 Physalis heterophylla 1
7 Coreopsis palmata 1
7 Convolvulus sepium 1
1 Phlox pilosa