

Appendix C. Comparison of groundcover vegetation of ten ecosystem types, University of Michigan's Nichols Arboretum, Washtenaw Co., Michigan.

(values are average percent coverage per 100 m<sup>2</sup>, the frequency, or percentage of plots where each species occurred, is in parentheses).

Species	Moraine			Ice-contact Terrain					Outwash Plain	
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)
<b>WOODY PLANTS</b>										
<b>Large- &amp; med-tree-species</b>										
Native Species										
Acer negundo	0.03 (50)	0.06 (75)	0.02 (100)	0.00 (100)	0.00 (100)	0.03 (50)	0.00 (50)	0.00 (50)	0.01 (20)	0.03 (100)
Acer rubrum	0.00 (50)	0.05 (67)	0.12 (100)	0.00 (33)	0.37 (80)	0.00 (50)	---	---	0.01 (40)	---
Acer saccharum	0.00 (50)	0.00 (17)	0.00 (33)	0.00 (33)	0.02 (80)	---	0.00 (50)	---	0.00 (80)	0.00 (50)
Carya cordiformis	---	---	---	---	0.04 (100)	---	0.06 (100)	---	0.01 (80)	0.00 (50)
Carya glabra	---	0.08 (92)	0.10 (100)	0.00 (33)	0.03 (80)	---	---	---	0.01 (80)	---
Carya ovata	0.15 (50)	0.00 (25)	---	---	0.00 (40)	---	0.00 (50)	---	---	---
Celtis occidentalis	0.00 (50)	0.00 (8)	0.00 (33)	0.00 (67)	0.00 (20)	0.00 (50)	0.00 (50)	---	---	0.00 (50)
Fraxinus americana	0.30 (100)	0.98 (100)	0.60 (100)	0.50 (67)	0.48 (80)	0.53 (100)	0.18 (100)	0.00 (50)	1.20 (100)	0.01 (100)
Fraxinus pennsylvanica	---	---	---	---	---	---	---	---	0.00 (20)	---
Juglans cinerea	---	---	---	---	---	---	0.00 (50)	---	---	---
Juglans nigra	---	0.00 (8)	---	---	---	0.03 (50)	---	---	0.06 (20)	---
Liriodendron tulipifera	---	---	---	---	---	---	0.00 (50)	---	---	---
Ostrya virginiana	---	---	---	---	0.00 (20)	---	---	---	0.07 (80)	---
Prunus serotina	0.00 (100)	0.38 (92)	0.45 (100)	0.10 (100)	0.43 (100)	0.03 (100)	0.00 (100)	---	0.52 (80)	---
Quercus alba	0.00 (100)	0.00 (42)	0.02 (33)	0.00 (33)	0.00 (60)	0.00 (50)	---	---	0.00 (20)	---
Quercus muehlenbergii	---	---	---	---	---	---	0.00 (50)	---	---	0.00 (50)
Quercus rubra	0.06 (100)	0.06 (83)	0.01 (100)	0.00 (67)	0.06 (40)	0.15 (50)	0.00 (50)	---	0.00 (60)	0.00 (50)
Quercus velutina	---	0.00 (8)	---	0.00 (67)	0.00 (40)	---	---	---	---	---
Sassafras albidum	0.00 (50)	0.08 (25)	---	---	---	---	---	---	0.01 (20)	---
Tilia americana	---	0.05 (25)	---	0.00 (33)	0.00 (40)	0.15 (50)	0.03 (50)	0.00 (50)	0.66 (60)	---
Ulmus americana	0.00 (100)	0.14 (58)	0.02 (67)	---	0.00 (60)	0.00 (50)	---	0.03 (50)	0.00 (40)	---
Ulmus rubra	0.38 (50)	---	0.25 (33)	---	---	---	---	---	0.00 (20)	---
Non-Native Species										
Acer platanoides	0.00 (50)	0.22 (100)	0.45 (100)	0.10 (100)	0.07 (80)	0.06 (100)	0.00 (50)	---	0.08 (100)	0.00 (100)
Aesculus octandra	0.00 (50)	0.00 (8)	---	---	0.01 (20)	0.03 (50)	---	---	---	---
Ailanthus altissima	---	0.03 (8)	---	---	---	---	---	---	---	0.15 (50)
Magnolia accuminata	---	---	---	---	---	0.03 (50)	---	---	---	---
Morus alba	---	0.00 (8)	---	---	---	---	---	---	---	---
Phellodendron amurense	---	---	---	0.00 (33)	---	---	---	---	---	---
Prunus avium	---	0.03 (33)	0.00 (67)	---	0.02 (60)	---	---	---	0.06 (40)	---
Robinia pseudoaccacia	---	0.00 (8)	---	0.20 (100)	---	---	---	---	---	---
Tilia cordata	---	0.05 (17)	---	---	---	---	---	---	---	---

Appendix C. (continued)

Species	Moraine			Ice-contact Terrain						Outwash Plain	
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I	
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)	
<b>WOODY PLANTS (continued)</b>											
<b>Small-tree-species</b>											
Native Species											
Carpinus caroliniana	---	---	---	---	0.00 (20)	---	0.40 (100)	0.40 (100)	0.51 (100)	---	
Cercis canadensis	---	0.13 (8)	0.00 (33)	---	---	---	---	---	---	---	
Cornus alternifolia	---	0.12 (75)	0.00 (33)	0.10 (33)	0.00 (20)	---	0.18 (100)	0.00 (100)	0.12 (60)	---	
Cornus florida	0.00 (50)	---	---	---	0.00 (60)	---	---	---	0.15 (40)	---	
Crataegus spp.	0.00 (50)	0.04 (58)	0.12 (67)	---	0.01 (40)	0.18 (100)	---	---	0.01 (40)	0.00 (50)	
Hamamelis virginiana	---	0.13 (8)	0.00 (33)	0.02 (33)	0.51 (80)	0.03 (50)	---	---	0.51 (80)	---	
Viburnum lentago	---	0.05 (33)	---	---	0.01 (20)	---	---	0.00 (50)	0.00 (20)	0.00 (50)	
Non-Native Species											
Acer ginnala	0.00 (100)	0.17 (83)	0.00 (100)	---	---	0.15 (100)	---	---	---	---	
Acer pensylvanicum	---	---	---	---	0.00 (60)	---	---	---	0.00 (60)	---	
Rhamnus cathartica	0.03 (100)	1.13 (100)	0.21 (100)	0.77 (100)	2.85 (100)	1.13 (100)	0.30 (100)	0.30 (100)	0.87 (100)	7.50 (100)	
Rhamnus frangula	0.38 (50)	0.17 (75)	0.02 (33)	0.00 (33)	---	---	0.00 (50)	---	---	0.03 (100)	
<b>Shrubs</b>											
Native Species											
Cornus amomum	---	---	---	---	---	---	---	0.38 (50)	---	---	
Cornus foemina	---	1.78 (83)	0.00 (100)	---	0.23 (100)	0.15 (50)	---	---	0.06 (20)	0.00 (50)	
Corylus americana	---	1.02 (92)	0.35 (67)	0.10 (33)	---	---	---	0.00 (50)	0.06 (20)	0.00 (50)	
Juniperus communis var. dep.	---	---	---	---	---	0.00 (50)	---	---	---	---	
Lonicera dioica	---	0.00 (17)	0.00 (33)	---	---	0.00 (50)	---	---	0.14 (80)	0.03 (50)	
Lindera benzoin	---	---	---	---	---	---	0.00 (50)	---	---	---	
Prunus virginiana	0.53 (100)	0.52 (100)	1.10 (100)	1.60 (100)	0.48 (100)	0.90 (100)	0.18 (100)	0.03 (100)	0.63 (100)	0.06 (100)	
Rhus aromatica	---	---	---	---	---	0.15 (50)	---	---	---	---	
Ribes americanum	---	0.06 (17)	---	0.02 (100)	---	---	---	0.00 (100)	---	0.53 (100)	
Ribes cynosbati	---	0.01 (42)	0.10 (100)	0.02 (67)	0.01 (60)	---	---	0.15 (50)	0.08 (80)	0.03 (50)	
Rosa spp.	---	0.00 (25)	---	---	0.00 (20)	---	---	---	0.00 (40)	---	
Rubus alleghaniensis	---	0.06 (58)	0.10 (67)	0.00 (33)	---	---	---	---	---	---	
Rubus flagellaris	---	0.01 (17)	0.10 (33)	0.10 (33)	0.00 (20)	---	---	---	---	---	
Rubus occidentalis	0.01 (100)	0.01 (42)	0.02 (67)	0.02 (67)	0.00 (60)	---	---	---	0.02 (40)	0.00 (50)	
Sambucus canadensis	---	0.00 (17)	---	0.10 (67)	---	---	0.00 (50)	0.15 (100)	0.00 (20)	0.15 (100)	
Staphylea trifolia	---	---	---	0.00 (33)	0.00 (20)	---	---	0.75 (50)	0.00 (20)	---	
Taxus canadensis	---	0.01 (33)	0.00 (67)	---	0.00 (20)	0.75 (50)	---	---	0.36 (80)	---	
Vaccinium angustifolium	---	---	---	---	---	0.03 (50)	---	---	---	---	

Appendix C. (continued)

Species	Moraine						Ice-contact Terrain				Outwash Plain	
	Landform B		Landform C		Landform D	Landform E		Landform F		Landform G	Landform I	
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)		
<b>WOODY PLANTS</b>												
<b>Shrubs</b>												
Native Species (continued)												
Viburnum acerifolium	---	0.00 (8)	---	---	0.28 (80)	---	---	---	---	0.22 (80)	---	
Viburnum dentatum	---	0.00 (17)	---	---	---	---	---	---	---	---	---	
Viburnum rafinesquianum	---	0.05 (25)	0.12 (100)	0.00 (33)	0.22 (80)	---	---	---	---	0.00 (20)	---	
Viburnum trilobum	---	---	---	0.10 (67)	---	---	0.38 (100)	0.01 (100)	---	---	---	
Zanthoxylum americanum	3.00 (50)	---	---	---	---	0.38 (50)	---	---	---	---	---	
Non-Native Species												
Acer palmatum	---	---	0.00 (33)	---	---	---	---	---	---	---	---	
Berberis thunbergii	---	0.03 (33)	0.10 (33)	---	0.00 (60)	0.03 (100)	---	---	0.02 (40)	0.00 (50)	---	
Buxus sempervirens	---	---	---	---	---	0.00 (50)	---	---	---	---	---	
Euonymus alata	---	0.07 (50)	0.00 (33)	0.02 (67)	0.00 (80)	---	0.38 (50)	---	0.00 (20)	---	---	
Euonymus fortunei	---	0.00 (8)	0.00 (33)	---	---	---	0.03 (50)	---	---	---	---	
Ligustrum vulgare	0.15 (100)	0.19 (67)	0.12 (67)	4.35 (100)	0.39 (100)	0.18 (100)	0.90 (100)	12.38 (100)	0.19 (80)	1.53 (100)	---	
Lonicera hirsuta?	0.00 (100)	0.00 (17)	0.00 (33)	---	---	---	---	---	0.00 (20)	---	---	
Lonicera mackii	12.75 (100)	0.77 (100)	1.00 (100)	0.22 (100)	1.62 (100)	0.53 (100)	1.88 (100)	0.30 (100)	0.57 (100)	0.75 (100)	---	
Lonicera tatarica	0.75 (50)	0.21 (67)	0.00 (33)	0.04 (67)	0.01 (20)	---	---	0.00 (100)	0.23 (100)	0.03 (100)	---	
Magnolia spp.	---	---	---	---	---	0.75 (50)	---	---	---	---	---	
Rhodotypos scandens	---	---	---	---	0.06 (20)	---	---	---	---	---	---	
Viburnum lantana	---	0.00 (8)	---	---	---	---	---	---	---	0.00 (50)	---	
Viburnum opulus	0.00 (100)	0.23 (92)	0.04 (100)	0.02 (33)	0.06 (60)	0.15 (50)	0.03 (50)	0.00 (50)	0.16 (60)	0.40 (100)	---	
<b>Vines</b>												
Native Species												
Menispermum canadense	---	---	---	---	---	0.00 (50)	0.15 (100)	0.03 (100)	0.00 (20)	---	---	
Parthenocissus quinquefolia	12.75 (100)	0.66 (92)	0.21 (100)	1.10 (100)	2.49 (100)	0.03 (50)	0.15 (100)	0.18 (100)	0.03 (100)	0.18 (100)	---	
Smilax tamnoides	0.00 (50)	0.01 (33)	0.02 (33)	0.00 (67)	0.02 (100)	---	0.00 (100)	0.90 (100)	0.01 (80)	---	---	
Solanum dulcamara	---	---	---	0.02 (33)	---	---	---	---	0.00 (20)	---	---	
Toxicodendron radicans	0.18 (100)	0.74 (92)	0.10 (100)	0.10 (100)	0.00 (60)	0.18 (100)	0.15 (100)	0.03 (100)	0.02 (100)	0.30 (100)	---	
Vitis riparia	0.30 (100)	0.05 (67)	0.02 (100)	0.00 (33)	0.02 (80)	0.03 (100)	0.00 (50)	0.00 (50)	0.02 (100)	0.03 (100)	---	
Non-Native Species												
Celastrus orbiculatus	0.18 (100)	0.02 (75)	0.10 (67)	0.02 (67)	0.12 (80)	0.18 (100)	0.00 (50)	---	0.07 (80)	0.00 (50)	---	
Vinca minor	---	0.00 (8)	---	---	---	---	---	---	---	0.03 (50)	---	

Appendix C. (continued)

Species	Moraine			Ice-contact Terrain						Outwash Plain	
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I	
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)	
<b>HERBACEOUS PLANTS</b>											
<b>Forbs</b>											
<b>Native Species</b>											
<i>Actaea</i> spp.											
May	---	0.03 (17)	---	0.02 (67)	---	---	0.15 (50)	0.00 (50)	0.06 (60)	---	
August	---	0.03 (17)	---	0.02 (67)	0.00 (20)	---	0.15 (50)	0.00 (50)	0.02 (60)	---	
<i>Agrimonia gryposepata</i>											
May	0.03 (100)	0.00 (17)	---	---	0.00 (20)	---	---	---	---	---	
August	0.15 (100)	0.01 (17)	---	---	0.00 (20)	---	---	---	---	---	
<i>Allium canadensis</i>											
May	---	---	---	---	---	---	---	---	---	0.00 (50)	
August	---	---	---	---	---	---	---	---	---	0.00 (50)	
<i>Ambrosia trifida</i>											
May	---	0.01 (25)	---	0.00 (33)	0.00 (20)	---	---	0.00 (50)	---	---	
August	0.00 (50)	0.00 (25)	---	0.00 (33)	0.00 (20)	---	---	0.00 (50)	---	---	
<i>Amphicarpaea bracteata</i>											
May	---	0.00 (8)	---	---	---	---	---	---	---	---	
August	0.00 (50)	0.01 (25)	0.14 (100)	0.02 (33)	0.00 (20)	---	---	0.38 (100)	0.00 (20)	---	
<i>Anemone quinquefolia</i>											
May	0.00 (50)	0.09 (58)	0.10 (100)	0.27 (67)	0.16 (80)	0.00 (50)	0.18 (100)	0.15 (50)	0.04 (80)	0.03 (100)	
August	---	0.00 (8)	0.00 (67)	---	0.00 (20)	---	---	---	---	0.03 (50)	
<i>Anemonella thalictroides</i>											
May	---	---	---	---	---	---	0.90 (100)	---	---	---	
August	---	---	---	---	---	---	---	---	---	---	
<i>Apios americana</i>											
May	---	---	---	---	---	---	---	---	---	---	
August	---	---	---	---	---	---	---	0.38 (50)	---	---	
<i>Apocynum androsimifolia</i>											
May	---	0.00 (8)	---	---	---	---	---	---	---	---	
August	---	0.00 (8)	---	---	---	---	---	---	---	---	
<i>Arabis laevigata</i>											
May	0.15 (50)	0.00 (8)	---	0.04 (67)	---	0.00 (50)	0.03 (50)	0.03 (50)	0.01 (20)	0.03 (50)	
August	0.15 (50)	0.00 (8)	---	0.02 (67)	---	0.00 (50)	0.00 (50)	0.03 (50)	0.06 (20)	0.00 (50)	
<i>Aralia nudicaulis</i>											
May	---	0.07 (17)	0.00 (33)	---	---	0.15 (100)	---	---	0.72 (80)	---	
August	---	0.09 (17)	0.00 (33)	---	---	0.15 (100)	---	---	0.42 (80)	---	
<i>Arisaema typhifolium</i>											
May	0.18 (100)	0.10 (92)	0.02 (100)	0.12 (100)	0.09 (100)	0.03 (100)	0.18 (100)	0.30 (100)	0.14 (100)	0.30 (100)	
August	0.06 (100)	0.07 (83)	0.10 (100)	0.12 (67)	0.02 (100)	0.00 (50)	0.18 (100)	0.30 (100)	0.00 (100)	0.30 (100)	
<i>Asarum canadense</i>											
May	---	---	---	---	---	---	---	0.00 (50)	0.30 (20)	---	
August	---	---	---	---	---	---	---	0.00 (50)	0.30 (20)	---	

Appendix C. (continued)

Species	Moraine			Ice-contact Terrain				Outwash Plain		
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)
<b>HERBACEOUS PLANTS</b>										
<b>Forbs</b>										
Native Species (continued)										
Aster novae-angliae										
May	---	---	---	---	---	---	---	---	---	---
August	---	---	---	---	---	---	---	0.00 (50)	---	---
Aster spp.										
May	---	---	---	---	---	---	---	---	---	---
August	---	0.00 (8)	---	---	---	0.00 (50)	0.03 (100)	---	---	---
Bidens connatus										
May	---	---	---	---	---	---	---	0.00 (50)	---	---
August	---	---	---	---	---	---	---	0.00 (50)	---	---
Boehmeria cylindrica										
May	---	0.00 (8)	---	---	---	---	---	---	---	---
August	---	0.00 (8)	---	---	---	---	---	0.03 (100)	---	---
Circaea lutetiana										
May	0.53 (100)	0.43 (100)	0.10 (100)	0.30 (100)	0.01 (80)	0.15 (100)	0.30 (100)	0.30 (100)	0.03 (80)	0.15 (100)
August	0.53 (100)	0.52 (100)	0.04 (100)	0.45 (100)	0.00 (80)	0.15 (100)	0.18 (100)	0.18 (100)	0.07 (80)	0.03 (100)
Cirsium muticum										
May	---	---	---	0.00 (33)	---	---	---	---	---	---
August	---	---	---	0.00 (33)	---	---	---	---	---	---
Claytonia virginica										
May	---	0.00 (17)	---	---	---	---	0.18 (100)	0.03 (50)	---	---
August	---	---	---	---	---	---	---	---	---	---
Clematis virginiana										
May	---	---	---	---	---	---	---	---	---	---
August	---	---	---	---	---	---	---	0.03 (50)	---	---
Collinsonia canadensis										
May	0.30 (100)	0.04 (58)	0.00 (33)	---	0.00 (20)	0.00 (100)	0.03 (100)	0.15 (100)	0.01 (80)	---
August	1.65 (100)	0.09 (75)	0.10 (33)	---	0.01 (20)	0.00 (50)	0.06 (100)	0.53 (100)	0.03 (60)	---
Cryptotaenia canadensis										
May	0.00 (50)	---	---	0.00 (33)	---	---	0.03 (50)	1.13 (100)	---	0.38 (100)
August	0.00 (50)	---	---	0.00 (33)	---	---	0.03 (50)	0.75 (100)	---	0.03 (100)
Dentaria diphylla										
May	---	---	---	---	---	---	---	0.03 (100)	---	---
August	---	---	---	---	---	---	---	---	---	---
Dentaria laciniata										
May	---	0.00 (8)	---	---	---	---	0.18 (100)	---	0.00 (20)	---
August	---	---	---	---	---	---	---	---	---	---
Desmodium glutinosum										
May	---	0.00 (8)	---	---	0.00 (20)	0.00 (50)	---	---	---	---
August	0.15 (100)	0.04 (58)	0.10 (67)	0.00 (33)	0.00 (20)	0.00 (50)	---	---	0.02 (60)	0.00 (50)

Appendix C. (continued)

Species	Moraine			Ice-contact Terrain						Outwash Plain	
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I	
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)	
<b>HERBACEOUS PLANTS</b>											
<b>Forbs</b>											
Native Species (continued)											
<i>Dioscorea villosa</i>											
May	0.03 (100)	0.01 (67)	0.00 (33)	---	0.00 (20)	---	---	0.00 (50)	0.00 (20)	0.00 (50)	
August	0.06 (100)	0.07 (75)	0.12 (67)	0.10 (67)	---	0.03 (100)	0.00 (50)	0.40 (100)	0.03 (80)	0.03 (100)	
<i>Erigeron philadelphicus</i>											
May	---	---	---	---	---	---	---	0.03 (50)	---	---	
August	---	---	---	---	---	---	---	---	---	---	
<i>Erythronium americanum</i>											
May	---	0.00 (8)	---	0.00 (33)	0.00 (40)	---	65.00 (100)	1.65 (100)	1.26 (80)	---	
August	---	---	---	---	---	---	---	---	---	---	
<i>Eupatorium maculatum</i>											
May	---	0.00 (8)	---	---	---	---	0.00 (50)	0.06 (100)	---	---	
August	---	0.00 (8)	---	---	---	---	0.00 (50)	3.15 (100)	---	---	
<i>Eupatorium rugosum</i>											
May	---	---	---	---	---	---	---	---	---	---	
August	---	0.00 (8)	---	---	---	---	---	---	---	---	
<i>Fragaria virginiana</i>											
May	---	0.00 (8)	---	0.00 (33)	---	---	---	---	---	0.00 (50)	
August	---	0.00 (8)	---	0.00 (33)	---	---	---	---	---	0.00 (50)	
<i>Galium aparine</i>											
May	6.15 (100)	0.25 (100)	0.02 (100)	1.50 (100)	0.00 (20)	0.00 (50)	0.00 (50)	0.38 (50)	0.00 (20)	0.38 (100)	
August	0.78 (100)	0.05 (58)	0.00 (67)	0.02 (67)	---	---	---	0.00 (50)	0.00 (20)	0.03 (50)	
<i>Galium circaeazans</i>											
May	0.03 (50)	0.00 (25)	0.00 (33)	---	---	---	---	---	---	---	
August	0.03 (50)	0.01 (26)	0.00 (33)	---	0.00 (20)	---	---	---	---	---	
<i>Geranium maculatum</i>											
May	1.50 (50)	3.82 (92)	2.10 (100)	2.00 (33)	0.15 (40)	0.03 (100)	3.00 (100)	1.65 (100)	0.92 (100)	0.75 (50)	
August	0.03 (50)	0.11 (83)	0.22 (100)	0.10 (67)	0.06 (20)	0.01 (100)	0.30 (100)	0.18 (100)	0.08 (100)	0.15 (50)	
<i>Geum canadense</i>											
May	1.65 (100)	0.59 (100)	0.20 (100)	4.52 (100)	0.07 (100)	0.03 (50)	0.18 (100)	0.30 (100)	0.67 (80)	0.40 (100)	
August	0.53 (100)	0.21 (100)	0.20 (100)	2.52 (100)	0.12 (100)	0.03 (50)	0.18 (100)	0.30 (100)	0.07 (80)	0.15 (100)	
<i>Hackelia virginiana</i>											
May	---	0.00 (17)	---	0.00 (67)	0.00 (40)	---	---	0.00 (50)	0.00 (40)	0.03 (50)	
August	0.03 (100)	0.02 (67)	0.01 (67)	0.02 (67)	0.00 (40)	---	---	0.00 (50)	0.01 (40)	0.03 (50)	
<i>Helianthus divaricatus</i>											
May	---	---	---	---	---	---	---	---	---	---	
August	---	0.00 (17)	---	---	---	---	---	---	---	---	
<i>Helianthus strumosus</i>											
May	---	---	---	---	---	---	---	0.15 (50)	---	---	
August	---	---	---	---	---	---	---	0.15 (50)	---	---	

Appendix C. (continued)

Species	Moraine			Ice-contact Terrain				Outwash Plain		
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)
<b>HERBACEOUS PLANTS</b>										
<b>Forbs</b>										
Native Species (continued)										
<i>Hepatica acutiloba</i>										
May	---	---	---	---	---	0.00 (50)	---	---	---	---
August	---	---	---	---	---	0.00 (50)	---	---	---	---
<i>Hepatica americana</i>										
May	---	---	---	---	---	---	---	---	0.00 (40)	---
August	---	---	---	---	---	---	---	---	0.00 (40)	---
<i>Heracleum maximum</i>										
May	---	0.00 (8)	---	0.10 (33)	0.00 (20)	---	0.30 (100)	0.53 (100)	0.00 (40)	0.53 (100)
August	---	0.00 (8)	---	0.10 (33)	---	---	0.06 (100)	0.38 (100)	0.00 (40)	0.30 (100)
<i>Heuchera virginiana</i>										
May	0.00 (50)	0.00 (8)	---	---	0.01 (20)	---	---	---	0.00 (20)	---
August	0.00 (50)	0.00 (8)	---	---	0.01 (20)	---	---	---	0.01 (20)	---
<i>Impatiens capensis</i>										
May	1.13 (100)	0.06 (67)	0.00 (33)	0.10 (67)	---	0.00 (50)	0.00 (100)	1.65 (100)	---	0.03 (100)
August	0.18 (100)	0.01 (50)	---	0.00 (33)	---	---	---	6.38 (100)	---	0.01 (100)
<i>Iris virginica</i>										
May	---	---	---	---	---	---	---	0.15 (100)	---	0.00 (50)
August	---	---	---	---	---	---	---	0.15 (100)	---	0.00 (50)
<i>Laportea canadensis</i>										
May	---	---	---	---	---	---	---	0.15 (100)	---	---
August	---	---	---	---	---	---	---	0.78 (100)	---	---
<i>Lilium michiganense</i>										
May	---	---	---	---	---	---	---	0.18 (100)	---	---
August	---	---	---	---	---	---	---	0.03 (100)	---	---
<i>Lobelia siphilitica</i>										
May	---	---	---	---	---	---	---	---	---	---
August	---	---	---	---	---	---	---	0.00 (50)	---	---
<i>Lobelia spicata</i>										
May	---	---	---	---	---	0.00 (50)	---	---	---	---
August	---	---	---	---	---	0.00 (50)	---	---	---	---
<i>Lysimachia ciliata</i>										
May	---	---	---	---	---	---	---	0.00 (50)	0.00 (20)	0.03 (100)
August	---	---	---	---	---	---	---	0.03 (50)	---	0.01 (100)
<i>Lysimachia quadrifolia</i>										
May	---	---	---	---	---	0.00 (50)	---	---	0.00 (40)	---
August	---	---	---	---	---	0.00 (50)	---	---	0.00 (40)	---
<i>Mitella diphylla</i>										
May	---	---	---	0.00 (33)	---	---	---	---	0.02 (60)	---
August	---	---	---	0.00 (33)	---	---	---	---	0.01 (60)	---

Appendix C. (continued)

Species	Moraine			Ice-contact Terrain					Outwash Plain	
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)
<b>HERBACEOUS PLANTS</b>										
<b>Forbs</b>										
Native Species (continued)										
Osmorhiza claytonii										
May	---	0.03 (42)	0.02 (67)	0.45 (100)	0.00 (20)	---	---	---	---	0.38 (50)
August	---	0.03 (42)	0.00 (67)	0.35 (100)	0.00 (20)	---	---	---	---	0.38 (50)
Osmorhiza longistylis										
May	---	0.03 (25)	0.02 (67)	0.12 (67)	---	0.00 (50)	0.00 (50)	0.15 (100)	---	0.15 (100)
August	---	0.01 (25)	0.02 (67)	0.12 (67)	---	0.00 (50)	---	0.15 (100)	---	0.03 (100)
Oxalis stricta										
May	---	---	---	---	---	---	---	---	---	---
August	---	0.00 (17)	---	---	---	---	---	---	---	0.00 (50)
Pedicularis lanceolata										
May	---	---	---	---	---	---	---	0.00 (50)	---	---
August	---	---	---	---	---	---	---	0.00 (50)	---	---
Phryma leptostachya										
May	---	0.01 (17)	---	---	---	0.01 (100)	---	---	0.00 (20)	---
August	0.00 (100)	0.04 (58)	0.02 (67)	0.00 (33)	0.00 (20)	0.01 (100)	---	---	0.00 (20)	0.03 (50)
Phytolacca americana										
May	---	---	---	---	---	---	---	---	---	---
August	---	---	---	0.00 (33)	---	---	---	---	---	---
Pilea pumila										
May	---	---	---	---	---	---	---	---	---	0.00 (50)
August	0.00 (50)	0.06 (17)	---	---	---	---	0.00 (50)	0.18 (100)	---	0.03 (50)
Podophyllum peltatum										
May	0.00 (50)	12.81 (75)	25.00 (100)	6.00 (67)	0.51 (100)	1.88 (100)	27.00 (100)	0.75 (50)	0.00 (40)	0.00 (50)
August	---	0.00 (8)	0.02 (33)	---	---	---	---	---	---	---
Polygonatum biflora										
May	0.15 (50)	---	---	0.45 (100)	---	---	0.18 (100)	0.30 (100)	0.02 (60)	0.03 (100)
August	0.00 (50)	---	---	0.30 (100)	---	---	0.01 (100)	0.06 (100)	0.00 (60)	0.03 (100)
Polygonatum pubescens										
May	---	0.00 (8)	---	0.10 (33)	0.02 (40)	0.06 (100)	---	0.15 (50)	0.15 (100)	---
August	---	0.00 (8)	---	0.02 (33)	0.01 (40)	0.03 (100)	---	0.03 (50)	0.08 (100)	---
Polygonum virginianum										
May	0.75 (100)	0.03 (33)	0.00 (100)	0.02 (67)	0.00 (20)	---	0.03 (100)	0.06 (100)	0.01 (20)	0.15 (100)
August	0.75 (100)	0.01 (17)	0.02 (100)	0.10 (67)	0.00 (20)	---	0.03 (100)	0.18 (100)	---	0.03 (100)
Potentilla simplex										
May	---	---	---	---	0.00 (20)	---	---	---	---	---
August	---	---	---	---	0.00 (20)	---	---	---	---	---
Prenanthes altissima										
May	---	0.01 (25)	0.00 (33)	---	0.22 (100)	0.00 (50)	0.03 (100)	---	0.13 (60)	---
August	---	0.00 (25)	0.00 (33)	---	0.13 (100)	0.00 (50)	0.03 (100)	---	0.08 (60)	---



Appendix C. (continued)

Species	Moraine			Ice-contact Terrain						Outwash Plain	
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I	
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)	
<b>HERBACEOUS PLANTS</b>											
<b>Forbs</b>											
Native Species (continued)											
<i>Pyrola elliptica</i>											
May	---	0.03 (8)	0.22 (100)	0.50 (67)	---	0.00 (50)	---	---	0.01 (20)	---	
August	---	0.00 (8)	0.45 (100)	1.00 (67)	---	0.00 (50)	---	---	0.01 (20)	---	
<i>Ranunculus abortivus</i>											
May	0.03 (100)	0.01 (25)	---	0.02 (67)	0.01 (40)	---	0.00 (50)	0.03 (100)	0.01 (80)	0.00 (50)	
August	---	0.00 (17)	---	---	---	---	0.00 (50)	0.78 (100)	0.00 (40)	0.15 (50)	
<i>Ranunculus hispidus</i>											
May	0.06 (100)	0.00 (17)	0.00 (33)	---	---	---	0.01 (100)	1.65 (100)	0.00 (20)	0.00 (100)	
August	---	---	0.00 (33)	---	0.00 (20)	---	0.00 (100)	0.18 (100)	0.00 (20)	0.03 (100)	
<i>Sanguinaria canadensis</i>											
May	0.15 (50)	0.13 (67)	0.00 (33)	0.00 (33)	---	---	0.00 (50)	---	0.18 (80)	0.00 (50)	
August	0.15 (50)	0.02 (50)	0.00 (33)	0.00 (33)	---	---	0.00 (50)	---	0.00 (80)	0.00 (50)	
<i>Sanicula odorata</i>											
May	0.00 (50)	0.00 (25)	0.00 (33)	0.00 (33)	0.01 (20)	0.00 (100)	---	4.50 (100)	---	0.03 (50)	
August	0.03 (50)	0.01 (25)	0.00 (67)	0.12 (100)	---	0.00 (100)	---	2.25 (100)	---	0.03 (50)	
<i>Scrophularia lanceolata</i>											
May	---	---	---	---	---	---	---	---	---	---	
August	---	---	---	---	---	---	---	---	0.00 (20)	---	
<i>Senecio aureus</i>											
May	---	---	---	---	---	---	---	6.00 (100)	---	---	
August	---	---	---	---	---	---	---	0.90 (100)	0.01 (40)	---	
<i>Smilacina racemosa</i>											
May	0.53 (100)	0.19 (100)	0.22 (100)	1.75 (100)	0.87 (100)	0.30 (100)	1.13 (100)	0.75 (100)	0.57 (100)	3.03 (100)	
August	0.53 (100)	0.17 (100)	0.20 (100)	0.85 (100)	0.72 (100)	0.30 (100)	0.53 (100)	0.53 (100)	0.43 (100)	0.38 (100)	
<i>Smilacina stellata</i>											
May	---	---	---	0.02 (33)	---	---	0.00 (50)	0.30 (100)	0.01 (20)	0.53 (100)	
August	---	---	---	0.00 (33)	---	---	0.00 (50)	0.06 (100)	0.01 (20)	0.18 (100)	
<i>Smilax ecirrata</i>											
May	---	0.00 (17)	0.00 (33)	0.02 (33)	---	0.03 (100)	0.00 (50)	0.00 (50)	0.00 (20)	0.03 (50)	
August	---	0.00 (17)	0.00 (33)	0.02 (33)	---	0.03 (50)	0.00 (50)	---	0.01 (20)	0.00 (50)	
<i>Smilax lasioneura</i>											
May	0.03 (50)	---	---	0.10 (67)	---	---	---	0.00 (100)	---	---	
August	0.03 (50)	---	---	0.10 (67)	---	---	---	0.00 (50)	---	---	
<i>Solidago caesia</i>											
May	0.00 (50)	0.01 (58)	0.02 (67)	0.03 (33)	0.12 (80)	0.15 (100)	0.06 (100)	0.15 (100)	0.15 (100)	0.03 (50)	
August	0.00 (50)	0.03 (67)	0.02 (67)	0.00 (67)	0.12 (80)	0.15 (100)	0.06 (100)	0.15 (100)	0.29 (100)	0.03 (50)	

Appendix C. (continued)

Species	Moraine			Ice-contact Terrain					Outwash Plain		
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I	
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)	
<b>HERBACEOUS PLANTS</b>											
<b>Forbs</b>											
Native Species (continued)											
<i>Solidago canadensis</i>											
May	0.00 (50)	0.00 (8)	---	---	---	---	---	0.03 (50)	0.01 (40)	---	
August	0.00 (50)	0.00 (17)	0.00 (33)	---	0.00 (40)	---	---	0.03 (50)	0.00 (40)	0.00 (100)	
<i>Solidago flexicaulis</i>											
May	---	---	---	---	---	---	---	0.00 (50)	0.15 (40)	---	
August	---	---	---	---	---	---	---	0.00 (50)	0.06 (40)	---	
<i>Symplocarpus foetidus</i>											
May	---	---	---	---	---	---	0.03 (50)	36.00 (100)	0.00 (20)	0.15 (50)	
August	---	---	---	---	---	---	---	1.88 (100)	---	---	
<i>Taenidia integerina</i>											
May	---	---	---	---	---	0.00 (50)	---	---	---	---	
August	---	---	---	---	---	0.00 (50)	---	---	---	---	
<i>Thalictrum dioicum</i>											
May	0.03 (100)	4.00 (100)	1.60 (100)	---	0.21 (40)	0.78 (100)	0.18 (100)	---	3.75 (100)	---	
August	0.00 (100)	0.76 (100)	0.60 (100)	---	0.12 (40)	0.18 (100)	0.06 (100)	---	0.96 (100)	---	
<i>Trillium grandiflorum</i>											
May	---	5.03 (42)	0.27 (100)	0.02 (33)	0.00 (20)	0.00 (50)	3.38 (100)	0.40 (100)	0.42 (80)	0.18 (100)	
August	---	0.01 (25)	0.02 (67)	---	---	0.00 (50)	0.03 (100)	0.06 (100)	0.02 (60)	0.00 (100)	
<i>Trillium recurvatum</i>											
May	---	---	---	0.00 (33)	---	---	---	---	---	---	
August	---	---	---	---	---	---	---	---	---	---	
<i>Triosteum aurantiacum</i>											
May	0.00 (50)	0.00 (8)	---	---	0.01 (40)	0.00 (50)	---	---	0.00 (20)	---	
August	0.00 (50)	0.00 (8)	---	---	0.01 (40)	0.00 (50)	---	---	0.00 (20)	---	
<i>Viola cucullata</i>											
May	---	---	---	---	---	---	---	0.03 (50)	0.01 (20)	---	
August	---	---	---	---	---	---	---	0.03 (50)	0.00 (20)	---	
<i>Viola pubescens</i>											
May	---	0.00 (8)	---	---	---	---	---	---	0.00 (20)	---	
August	---	0.00 (8)	---	---	---	---	---	---	0.00 (20)	---	
<i>Viola sorroria</i>											
May	0.00 (50)	0.01 (42)	0.00 (33)	1.00 (67)	---	0.00 (50)	0.00 (50)	0.03 (50)	0.00 (20)	0.38 (50)	
August	0.00 (50)	0.00 (42)	0.00 (33)	0.10 (67)	---	0.00 (50)	0.00 (50)	0.03 (50)	0.01 (20)	0.03 (50)	
<i>Zizia aurea</i>											
May	---	---	---	---	---	---	---	0.15 (100)	---	---	
August	---	---	---	---	---	---	---	0.15 (100)	---	---	

Appendix C. (continued)

Species	Moraine						Ice-contact Terrain				Outwash Plain	
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I		
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)		
<b>HERBACEOUS PLANTS</b>												
<b>Forbs</b>												
<b>NON-NATIVE SPECIES</b>												
<i>Alliaria petiolata</i>												
May	0.03 (50)	0.00 (8)	---	---	---	---	---	---	---	---	---	
August	---	---	---	---	---	---	---	---	---	---	---	
<i>Arctium minus</i>												
May	0.00 (50)	0.01 (25)	---	---	0.10 (67)	0.00 (20)	0.00 (50)	---	---	0.00 (20)	0.00 (50)	
August	0.00 (50)	0.00 (8)	---	---	0.10 (67)	0.00 (20)	---	---	---	0.00 (40)	0.00 (50)	
<i>Barbarea vulgaris</i>												
May	---	---	---	---	---	---	---	---	---	---	---	
August	0.03 (50)	---	---	---	0.00 (33)	---	---	---	0.15 (50)	---	---	
<i>Cardamine impatiens</i>												
May	1.50 (50)	0.01 (50)	0.10 (33)	0.25 (33)	---	---	---	---	0.30 (100)	---	---	
August	0.75 (50)	0.00 (58)	0.02 (33)	0.10 (67)	---	---	---	---	0.06 (100)	---	---	
<i>Chelidonium majus</i>												
May	0.18 (100)	0.00 (17)	0.00 (33)	4.00 (67)	---	---	0.00 (50)	0.00 (50)	---	---	0.00 (50)	
August	0.06 (100)	0.00 (17)	0.00 (33)	0.27 (67)	---	---	0.00 (50)	0.75 (50)	---	---	0.00 (50)	
<i>Cirsium arvense</i>												
May	---	0.00 (8)	---	---	---	---	---	---	---	---	---	
August	---	0.00 (8)	---	---	---	---	---	---	---	---	---	
<i>Convallaria majalis</i>												
May	0.00 (50)	---	---	---	6.00 (67)	0.01 (40)	---	---	6.15 (100)	0.75 (50)	0.75 (100)	
August	---	---	---	---	0.35 (67)	0.00 (40)	---	---	0.40 (100)	0.15 (50)	0.15 (100)	
<i>Daucus carota</i>												
May	---	---	---	---	---	---	---	---	---	0.00 (20)	---	
August	---	0.00 (17)	---	---	---	---	---	---	---	---	---	
<i>Galium odoratum</i>												
May	0.15 (50)	---	---	---	---	---	---	---	---	---	---	
August	0.00 (50)	---	---	---	---	---	---	---	---	---	---	
<i>Glechoma hederacea</i>												
May	---	0.00 (8)	---	---	---	---	---	---	0.03 (50)	---	---	
August	---	---	---	---	---	---	---	---	---	---	---	
<i>Hesperis matronalis</i>												
May	0.30 (100)	0.33 (75)	0.02 (67)	17.00 (67)	0.01 (20)	---	---	0.75 (50)	0.53 (100)	0.00 (20)	0.15 (50)	
August	0.30 (100)	0.16 (92)	0.02 (67)	8.50 (67)	0.01 (40)	---	---	0.75 (50)	0.30 (100)	0.00 (20)	0.38 (50)	
<i>Leonurus cardiaca</i>												
May	---	---	---	0.10 (67)	---	---	---	---	---	---	---	
August	---	---	---	0.10 (67)	---	---	---	---	---	---	---	
<i>Lychnis chalcaedonia</i>												
May	---	---	---	---	---	---	---	0.15 (50)	---	---	---	
August	---	---	---	---	---	---	---	---	---	---	---	

Appendix C. (continued)

Species	Moraine			Ice-contact Terrain					Outwash Plain	
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)
<b>HERBACEOUS PLANTS</b>										
<b>Forbs</b>										
Non-Native Species (continued)										
<i>Lysimachia nummularia</i>										
May	---	---	---	---	---	---	---	0.53 (100)	---	---
August	---	---	---	---	---	---	---	0.53 (100)	---	---
<i>Malva neglecta</i>										
May	---	---	---	0.00 (67)	---	---	---	---	---	---
August	0.00 (50)	0.00 (8)	---	---	---	---	---	---	---	---
<i>Myosotis scorpioides</i>										
May	---	0.00 (8)	---	---	---	---	---	---	---	---
August	---	0.00 (8)	---	---	---	---	---	---	---	---
<i>Pachysandra terminalis</i>										
May	---	---	---	---	---	---	---	---	0.00 (20)	---
August	---	---	---	---	---	---	---	---	0.00 (20)	---
<i>Plantago major</i>										
May	---	---	---	0.00 (33)	---	---	---	---	---	---
August	---	---	---	0.00 (33)	---	---	---	---	---	---
<i>Rumex crispus</i>										
May	---	---	---	---	---	---	---	0.03 (50)	---	---
August	---	---	---	0.02 (33)	---	---	---	0.15 (50)	---	---
<i>Rumex obtusifolius</i>										
May	---	---	---	---	---	---	---	0.15 (100)	0.00 (20)	---
August	---	---	---	---	---	---	---	---	---	---
<i>Stellaria graminea</i>										
May	---	---	---	0.00 (33)	---	---	---	---	---	0.00 (50)
August	---	---	---	---	---	---	---	---	---	---
<i>Taraxacum officinale</i>										
May	0.03 (100)	0.02 (67)	0.00 (33)	0.00 (67)	0.00 (20)	0.00 (50)	---	---	0.01 (60)	0.00 (50)
August	---	0.00 (75)	0.00 (33)	---	0.00 (20)	0.00 (50)	---	---	0.00 (20)	0.00 (50)
<b>Graminoids</b>										
NATIVE SPECIES										
<i>Carex blanda</i>										
May	0.06 (100)	0.00 (17)	0.00 (33)	0.00 (33)	0.02 (60)	---	0.30 (100)	1.65 (100)	0.00 (60)	0.03 (100)
August	0.06 (100)	0.00 (17)	0.00 (33)	0.00 (33)	0.01 (60)	---	0.53 (100)	12.15 (100)	0.00 (60)	0.01 (100)
<i>Carex pensylvanica</i>										
May	0.00 (100)	0.02 (75)	0.00 (33)	0.00 (33)	0.30 (100)	0.15 (100)	0.03 (50)	0.75 (100)	0.07 (100)	0.00 (50)
August	0.00 (100)	0.04 (75)	0.00 (67)	0.00 (33)	1.14 (100)	0.38 (100)	0.00 (50)	0.30 (100)	0.21 (100)	0.00 (50)
<i>Elymus riparius</i>										
May	---	---	---	---	---	---	---	---	---	---
August	---	---	---	---	---	---	---	0.00 (50)	---	---
<i>Scirpus cyperinus</i>										
May	---	---	---	---	---	---	---	---	---	---
August	---	---	---	---	---	---	---	0.03 (50)	---	---

Appendix C. (continued)

Species	Moraine			Ice-contact Terrain					Outwash Plain	
	Landform B	Landform C		Landform D	Landform E		Landform F		Landform G	Landform I
	3 (n=2)	4 (n=12)	5 (n=3)	7 (n=3)	8 (n=5)	9 (n=2)	13 (n=2)	14 (n=2)	15 (n=5)	18 (n=2)
<b>HERBACEOUS PLANTS</b>										
<b>Ferns, Horsetails, and Parasitic Plants</b>										
NATIVE SPECIES										
Adiantum pedatum										
May	---	---	0.00 (33)	---	---	---	---	---	0.00 (60)	---
August	---	---	0.00 (33)	---	---	---	---	---	0.01 (60)	---
Asplenium platyneuron										
May	---	---	---	---	0.00 (20)	---	---	---	0.00 (20)	---
August	---	---	---	---	0.00 (20)	---	---	---	0.00 (20)	---
Athyrium filix-femina										
May	---	0.00 (8)	0.25 (67)	---	---	---	---	0.00 (50)	0.02 (40)	0.00 (50)
August	---	0.00 (8)	0.25 (67)	---	---	---	---	0.00 (50)	0.02 (40)	0.00 (50)
Corallorhiza maculata										
May	---	---	---	---	---	---	---	---	0.00 (20)	---
August	---	---	---	0.00 (33)	---	---	---	---	0.00 (20)	---
Equisetum fluviatile										
May	---	---	---	---	---	---	---	0.01 (100)	---	---
August	---	---	---	---	---	---	---	0.03 (100)	---	---
Equisetum hyemale										
May	---	---	---	---	---	---	---	---	0.00 (20)	---
August	---	---	---	---	---	---	---	---	0.00 (20)	---
Lichen spp.										
May	---	---	---	---	---	---	---	---	---	---
August	---	0.00 (17)	---	---	---	---	---	0.15 (50)	---	---
Monotropa uniflora										
May	---	---	---	---	---	---	---	---	---	---
August	---	0.00 (33)	---	0.00 (33)	0.00 (20)	---	---	---	0.01 (20)	---
Onoclea sensibilis										
May	---	---	0.00 (33)	---	---	---	---	---	---	0.00 (50)
August	---	---	0.00 (33)	---	---	---	---	---	---	0.00 (50)
Osmunda cinnamomea										
May	---	---	0.00 (33)	---	---	---	---	---	0.00 (40)	---
August	---	---	0.00 (33)	---	---	---	---	---	0.00 (40)	---
Pteridium aquilinum										
May	---	0.00 (8)	0.10 (33)	---	---	---	---	---	---	---
August	---	0.00 (8)	0.10 (33)	---	---	---	---	---	---	---
<b>NON-PLANT COVERAGE</b>										
Bare Soil	0.30 (100)	0.22 (100)	0.06 (100)	0.06 (100)	9.06 (100)	0.30 (100)	0.40 (100)	12.15 (100)	33.60 (100)	6.15 (100)
Coarse woody debris	1.13 (100)	2.31 (100)	1.50 (100)	1.60 (100)	0.93 (100)	0.30 (100)	0.53 (100)	7.50 (100)	0.90 (100)	1.13 (100)
Fine woody debris	1.13 (100)	0.86 (100)	1.00 (100)	0.70 (100)	0.57 (100)	0.30 (100)	0.30 (100)	0.30 (100)	0.63 (100)	0.75 (100)
Moss	0.03 (100)	0.34 (92)	0.12 (100)	0.12 (100)	0.01 (20)	0.06 (100)	0.38 (100)	0.30 (100)	0.28 (100)	0.06 (100)