

APPENDIX I V- A Plant Species by Community

Families and genera for the plant species found in this appendix are listed in taxonomic order. The species are listed alphabetically by scientific name within each genus.

Three standard reference works were used for the botanical nomenclature and taxonomy (Newmaster et. al., 1998; Gleason and Cronquist 1991; Voss 1980; 1985). Other published works for botanical names included; ferns (Cody and Britton 1989); grasses (Dore and McNeill 1980); orchids (Whiting and Catling 1986); shrubs (Soper and Heimburger 1982) and trees (Farrar 1995).

Total: Number of communities where plant species was recorded

X : Plant species recorded

Common Name	Scientific Name	Total	COMMUNITY NUMBER											
			1	2	3	4	5	6	7	8	9	10	11	
CLADONIA FAMILY	CLADONIACEAE													
reindeer-moss	<i>Cladina rangiferina</i>	1			X									
CLUBMOSS FAMILY	LYCOPODIACEAE													
ground cedar	<i>Diphasiastrum complanatum</i>	3	X		X	X								
common clubmoss	<i>Lycopodium clavatum</i>	1			X									
ground-pine	<i>Lycopodium obscurum</i>	1	X											
HORSETAIL FAMILY	EQUISETACEAE													
field horsetail	<i>Equisetum arvense</i>	1					X							
water horsetail	<i>Equisetum fluviatile</i>	2			X		X							
marsh horsetail	<i>Equisetum palustre</i>	1					X							

COMMUNITY NUMBER

Common Name	Scientific Name	Total	1	2	3	4	5	6	7	8	9	10	11
ROYAL FERN FAMILY		OSMUNDACEAE											
cinnamon fern	<i>Osmunda cinnamonea</i>	4	X	X			X					X	
interrupted fern	<i>Osmunda claytoniana</i>	8		X	X	X	X	X	X	X		X	
royal fern	<i>Osmunda regalis var. spectabilis</i>	7		X	X	X	X	X			X	X	
BRACKEN FERN FAMILY		DENNSTAEDTIACEAE											
hay-scented fern	<i>Dennstaedtia punctilobula</i>	1					X						
eastern bracken fern	<i>Pteridium aquilinum</i>	6	X	X	X	X			X		X		
BEECH FERN FAMILY		THELYPTERIDAE											
northern beech fern	<i>Phegopteris connectilis</i>	1		X									
marsh fern	<i>Thelypteris palustris</i>	2			X		X						
DEER FERN FAMILY		BLECHNACEAE											
Virginia chain-fern	<i>Woodwardia virginica</i>	1									X		
WOOD FERN FAMILY		DRYOPTERIDACEAE											
spinulose wood-fern	<i>Dryopteris carthusiana</i>	3		X						X		X	
evergreen wood-fern	<i>Dryopteris intermedia</i>	2				X	X						
marginal wood-fern	<i>Dryopteris marginalis</i>	2		X								X	
oak fern	<i>Gymnocarpium dryopteris</i>	2		X							X		
sensitive fern	<i>Onoclea sensibilis</i>	5		X	X	X	X					X	
POLYPODY FAMILY		POLYPODIACEAE											
rock polypody fern	<i>Polypodium virginianum</i>	2		X								X	
PINE FAMILY		PINACEAE											
balsam fir	<i>Abies balsamea</i>	7	X	X				X	X	X	X	X	
white spruce	<i>Picea glauca</i>	5	X	X				X		X	X		
red pine	<i>Pinus resinosa</i>	5	X	X	X				X		X		
eastern white pine	<i>Pinus strobus</i>	8	X	X	X			X	X	X	X	X	
eastern hemlock	<i>Tsuga canadensis</i>	2	X		X								
CYPRESS FAMILY		CUPRESSACEAE											
common juniper	<i>Juniperus communis var. depressa</i>	4	X	X	X								X
eastern white cedar	<i>Thuja occidentalis</i>	5		X	X			X		X		X	

COMMUNITY NUMBER

Common Name	Scientific Name	Total	1	2	3	4	5	6	7	8	9	10	11
WATER-LILY FAMILY	NYMPHACEAE												
bullhead pond-lily	<i>Nuphar variegata</i>	2					X	X					
WATER-SHIELD FAMILY	CABOMBACEAE												
water-shield	<i>Brasenia schreberi</i>	2	X					X					
BUTTERCUP FAMILY	RANUNCULACEAE												
thimbleweed	<i>Anemone virginiana</i>	1				X							
goldthread	<i>Coptis trifolia</i>	2				X	X						
tall buttercup	<i>Ranunculus acris</i>	2		X								X	
early meadow rue	<i>Thalictrum dioicum</i>	1									X		
tall meadow rue	<i>Thalictrum pubescens</i>	4			X	X	X	X					
BARBERRY FAMILY	BERBERIDACEAE												
blue cohosh	<i>Caulophyllum giganteum</i>	1									X		
FUMITORY FAMILY	FUMARIACEAE												
pink corydalis	<i>Corydalis sempevirens</i>	1								X			
WAX-MYRTLE FAMILY	MYRICACEAE												
sweet-fern	<i>Comptonia peregrina</i>	4	X	X	X							X	
BEECH FAMILY	FAGACEAE												
red oak	<i>Quercus rubra</i>	2	X						X				
BIRCH FAMILY	BETULACEAE												
speckled alder	<i>Alnus rugosa</i>	3		X		X						X	
yellow birch	<i>Betula alleghaniensis Britt.</i>	1						X					
white birch	<i>Betula papyrifera</i>	7	X	X	X			X		X	X	X	
beaked hazel	<i>Corylus cornuta</i>	2	X									X	
BUCKWHEAT FAMILY	POLYGONACEAE												
black bindweed	<i>Polygonum convolvulus</i>	2	X		X								
pale smartweed	<i>Polygonum lapathifolium</i>	1				X							
ST. JOHN'S-WORT FAMILY	GUTTIFERAE												
marsh St. John's-wort	<i>Triadenum fraseri</i>	4			X	X	X	X					

Common Name	Scientific Name	Total	COMMUNITY NUMBER											
			1	2	3	4	5	6	7	8	9	10	11	
LINDEN FAMILY	TILIACEAE													
American basswood	<i>Tilia americana</i>	1									X			
SUNDEW FAMILY	DROSERACEAE													
spatulate-leaved sundew	<i>Drosera intermedia</i> Hayne	1				X								
VIOLET FAMILY	VIOLACEAE													
Canada violet	<i>Viola canadensis</i>	1				X								
dog violet	<i>Viola conspersa</i>	3			X			X			X			
lance-leaved violet	<i>Viola lanceolata</i>	4	X	X	X	X								
northern white violet	<i>Viola macloskeyi</i>	1									X			
WILLOW FAMILY	SALICACEAE													
balsam poplar	<i>Populus balsamifera</i>	1											X	
large-toothed aspen	<i>Populus grandidentata</i>	4			X			X		X		X		
trembling aspen	<i>Populus tremuloides</i>	5	X					X	X	X			X	
Bebb's willow	<i>Salix bebbiana</i>	3		X				X					X	
HEATH FAMILY	ERICACEAE													
leatherleaf	<i>Chamadaphne calyculata</i>	2			X		X							
wintergreen	<i>Gaultheria procumbens</i>	5	X	X	X				X		X			
lowbush blueberry	<i>Vaccinium angustifolium</i>	4	X		X					X		X		
velvetleaf blueberry	<i>Vaccinium myrtilloides</i>	2							X	X				
WINTERGREEN FAMILY	PYROLACEAE													
common pipsissewa	<i>Chimaphila umbellata</i> Barton ssp. <i>Cisatl</i>	3		X					X		X			
PRIMROSE FAMILY	PRIMULACEAE													
swamp candles	<i>Lysimachia terrestris</i>	1				X								
starflower	<i>Trientalis borealis</i>	6	X		X	X			X	X	X			
GOOSEBERRY FAMILY	GROSSULARIACEAE													
skunk currant	<i>Ribes glandulosum</i>	1					X							
smooth gooseberry	<i>Ribes hirtellum</i>	1	X											

COMMUNITY NUMBER

Common Name	Scientific Name	Total	1	2	3	4	5	6	7	8	9	10	11
ROSE FAMILY		ROSACEAE											
agrimony	<i>Agrimonia gryposepela</i>	1							X				
common strawberry	<i>Fragaria virginiana</i>	1		X									
marsh cinquefoil	<i>Potentilla palustris</i>	3			X	X	X						
choke cherry	<i>Prunus virginiana</i>	2	X		X								
smooth rose	<i>Rosa blanda</i>	1							X				
Alleghany blackberry	<i>Rubus allegheniensis</i>	2		X								X	
wild red raspberry	<i>Rubus idaeus</i>	6	X	X	X		X			X		X	
dwarf raspberry	<i>Rubus pubescens</i>	4		X	X					X	X		
showy mountain ash	<i>Sorbus decora</i>	1				X							
narrow-leaved meadowsweet	<i>Spiraea alba</i>	2		X			X						
hardhack	<i>Spiraea tomentosa</i>	2				X	X						
barren strawberry	<i>Waldsteinia fragarioides</i>	2		X							X		
PEA FAMILY		FABACEAE											
red clover	<i>Trifolium pratense</i>	2	X		X								
white clover	<i>Trifolium repens</i>	2	X		X								
cow vetch	<i>Vicia cracca</i>	1						X					
LOOSESTRIFE FAMILY		LYTHRACEAE											
water willow-herb	<i>Decodon verticillatus</i>	1				X							
EVENING PRIMROSE FAMIL		ONAGRACEAE											
sundrops	<i>Oenothera perennis</i>	2	X				X						
DOGWOOD FAMILY		CORNACEAE											
alternate-leaf dogwood	<i>Cornus alternifolia</i>	3	X	X								X	
bunchberry	<i>Cornus canadensis</i>	7	X	X	X				X	X	X	X	
GRAPE FAMILY		VITACEAE											
wild grape	<i>Vitis riparia</i>	2	X		X								
MILKWORT FAMILY		POLYGALACEAE											
fringed polygala	<i>Polygala paucifolia</i>	1								X			

COMMUNITY NUMBER

Common Name	Scientific Name	Total	1	2	3	4	5	6	7	8	9	10	11
MAPLE FAMILY	ACERACEAE												
red maple	<i>Acer rubrum</i>	9	X	X	X	X		X	X	X	X	X	
sugar maple	<i>Acer saccharum ssp.saccharum</i>	4		X				X		X		X	
mountain maple	<i>Acer spicatum</i>	1								X			
TOUCH-ME-NOT FAMILY	BALSAMINACEAE												
spotted jewelweed	<i>Impatiens capensis</i>	3		X		X	X						
GINSENG FAMILY	ARALIACEAE												
bristly sarsaparilla	<i>Aralia hispida</i>	1							X				
wild sarsaparilla	<i>Aralia nudicaulis</i>	6	X	X	X	X			X		X		
CARROT FAMILY	APIACEAE												
bulbous water-hemlock	<i>Cicuta bulbifera</i>	1				X							
DOGBANE FAMILY	APOCYNACEAE												
spreading dogbane	<i>Apocynum androsaemifolium</i>	4	X	X	X							X	
MILKWEED FAMILY	ASCLEPIADACEAE												
swamp milkweed	<i>Asclepias incarnata</i>	5			X	X	X	X			X		
common milkweed	<i>Asclepias syriaca</i>	1											X
MORNING-GLORY FAMILY	CONVOLVULACEAE												
field bindweed	<i>Convolvulus arvensis</i>	5	X	X	X				X			X	
MINT FAMILY	LAMIACEAE												
American water-horehound	<i>Lycopus americanus</i>	5			X	X	X	X			X		
heal-all	<i>Prunella vulgaris ssp. Lanceolata</i>	1			X								
common skullcap	<i>Scutellaria galericulata</i>	1			X								
mad-dog skullcap	<i>Scutellaria lateriflora</i>	1					X						
PLANTAIN FAMILY	PLANTAGINACEAE												
broad-leaved plantain	<i>Plantago major</i>	2	X		X								
OLIVE FAMILY	OLEACEAE												
black ash	<i>Fraxinus nigra</i>	1								X			
red ash	<i>Fraxinus pennsylvanica</i>	1										X	
green ash	<i>Fraxinus pennsylvanica var. subintegerr</i>	1		X									

COMMUNITY NUMBER

Common Name	Scientific Name	Total	1	2	3	4	5	6	7	8	9	10	11
HAREBELL FAMILY		CAMPANULACEAE											
harebell	<i>Campanula rotundifolia</i>	3	X		X	X							
MADDER FAMILY		RUBIACEAE											
marsh bedstraw	<i>Galium palustre</i>	4			X		X	X			X		
creeping partridge-berry	<i>Mitchella repens</i>	3	X	X								X	
HONEYSUCKLE FAMILY		CAPRIFOLIACEAE											
bush-honeysuckle	<i>Diervilla lonicera</i>	4	X					X	X			X	
twinflor	<i>Linnaea borealis</i>	3		X					X	X			
tartarian honeysuckle	<i>Lonicera tatarica</i>	3	X	X	X								
common elderberry	<i>Sambucus canadensis</i>	4	X	X	X					X			
red-berried elderberry	<i>Sambucus racemosa</i>	3	X		X		X						
ASTER FAMILY		ASTERACEAE											
common yarrow	<i>Achillea millefolium</i>	3	X	X	X								
common ragweed	<i>Ambrosia artemisiifolia</i>	2	X		X								
field pussytoes	<i>Antennaria neglecta</i>	3	X		X	X							
large-leaved aster	<i>Aster macrophyllus</i>	3	X		X				X				
ox-eye daisy	<i>Chrysanthemum leucanthemum</i>	2		X								X	
spotted joe-pyeweed	<i>Eupatorium maculatum</i>	6		X	X	X	X	X			X		
orange hawkweed	<i>Hieracium aurantiacum</i>	4	X	X	X							X	
field hawkweed	<i>Hieracium caepitosum ssp.caespitosum</i>	4	X	X	X				X				
Canada goldenrod	<i>Solidago canadensis</i>	3	X		X								X
gray-stemmed goldenrod	<i>Solidago nemoralis ssp. Decemflora</i>	1											X
common dandelion	<i>Taraxacum officinale</i>	2	X		X								
WATER-PLANTAIN FAMILY		ALISMATACEAE											
common waterplantain	<i>Alisma plantago-aquatica</i>	1					X						
broad-leaved arrowhead	<i>Sagittaria latifolia</i>	1				X							
ARUM FAMILY		ARACEAE											
sweetflag	<i>Acorus americanus</i>	2			X		X						
water arum	<i>Calla palustris</i>	1					X						

Common Name	Scientific Name	Total	COMMUNITY NUMBER										
			1	2	3	4	5	6	7	8	9	10	11
DUCKWEED FAMILY		LEMNACEAE											
common duckweed	<i>Lemna minor</i>	3			X		X	X					
RUSH FAMILY		JUNCEAE											
Canadian rush	<i>Juncus canadensis</i>	1					X						
path rush	<i>Juncus tenuis</i>	1					X						
SEDGE FAMILY		CYPERACEAE											
fringed sedge	<i>Carex crinita</i>	1					X						
inland sedge	<i>Carex interior</i>	1		X									
bladder sedge	<i>Carex intumescens</i>	3				X	X					X	
common lake sedge	<i>Carex lacustris</i>	2			X		X						
Pennsylvania sedge	<i>Carex pensylvanica</i>	2				X	X						
awl-fruited sedge	<i>Carex stipata</i>	1					X						
tussock sedge	<i>Carex stricta</i>	3			X	X	X						
needle spike-rush	<i>Eleocharis acicularis</i>	2				X	X						
wool-grass	<i>Scirpus cyperinus</i>	3			X	X	X						
common three-square	<i>Scirpus pungens</i>	3			X	X	X						
GRASS FAMILY		POACEAE											
redtop	<i>Agrostis gigantea</i>	1											X
awnless brome grass	<i>Bromus inermis ssp.inermis</i>	1											X
Canada bluejoint grass	<i>Calamagrostis canadensis</i>	4			X	X	X				X		
poverty oatgrass	<i>Danthonia spicata</i>	4	X		X				X				X
acuminate panic grass	<i>Panicum acuminatum var.acuminatum</i>	3	X		X			X					
timothy	<i>Phleum pratense</i>	2	X		X								
fowl meadow grass	<i>Poa palustris</i>	4			X		X	X			X		
BUR-REED FAMILY		SPARGANIACEAE											
floating bur-reed	<i>Sparganium angustifolium</i>	1			X								
green-fruited bur-reed	<i>Sparganium emersum</i>	1				X							
CATTAIL FAMILY		TYPHACEAE											
common cattail	<i>Typha latifolia</i>	1						X					

Common Name	Scientific Name	Total	COMMUNITY NUMBER											
			1	2	3	4	5	6	7	8	9	10	11	
PICKERELWEED FAMILY	PONTEDERIACEAE													
pickerel weed	<i>Pontederia cordata</i>	2			X		X							
LILY FAMILY	LILIACEAE													
bluebead lily	<i>Clintonia borealis</i>	4	X	X								X	X	
Canada mayflower	<i>Maianthemum canadense</i>	6		X		X				X	X	X	X	
false Solomon's seal	<i>Smilacina racemosa</i>	3	X			X				X				
rose-twisted stalk	<i>Streptopus roseus</i>	1	X											
IRIS FAMILY	IRIDACEAE													
wild blue flag	<i>Iris versicolor</i>	3			X	X	X							
ORCHID FAMILY	ORCHIDACEAE													
pink lady's slipper	<i>Cypripedium acaule</i>	3	X		X						X			
Total Number of Plant Species	158		56	51	72	42	47	28	25	26	29	36	7	

Number of Plant Species Per Community