Appendix A

USFWS

Tree Swallow

Suspected or Known Species on Great Swamp National Wildlife Refuge

Table A-1. VERTEBRATE SPECIES DOCUMENTED AT GREAT SWAMP NWR

Species[1]	Seasons on the Great Swamp National Wildlife Refuge (Birds)[2]					CCP Resource of Concern	Focal Species
	Spring	Summer	Fall	Winter	Nesting		
BIRDS							
Loons, Grebes and Cormorants							
Red-throated loon							
Common loon							
American Coot							
Horned grebe			r			X	
Double-crested cormorant							
Pied-billed grebe	u	r	o	r		X	
Herons and Ibis							
Least bittern	u	u	u		Y	X	
American Bittern					Y	X	
Little blue heron	o	o	o			X	
Black-crowned night heron							
Yellow-crowned night heron	r	r				X	
Green Heron							
Glossy Ibis							
White Ibis	Accidental						
Cattle Egret							
Snowy egret	r	r	r			X	
Coots and Rails							
American coot							
King rail						X	
Virginia rail	c	c	c	r	Y	X	
Sandhill Crane	Accidental						
Sora	u	u	u	r	Y	X	
Gulls							
Herring gull	o	o	o	u			
Ring-billed gull	u		u	c			
Laughing gull							
Greater black-backed gull							
Lesser black-backed gull	Accidental						
Black-tern	Accidental						
Ducks and Geese							
American black duck	c	u	c	u	Y	X	
American widgeon	u	r	c	o		X	
Atlantic brant	Accidental						
Atlantic Canada goose				c		X	

Species[1]	Seasons on the Great Swamp National Wildlife Refuge (Birds)[2]					CCP Resource of Concern	Focal Species
	Spring	Summer	Fall	Winter	Nesting		
(migrant)							
Atlantic Canada goose	c	c	c	c	Y		
Blue-winged teal	u	u	u		Y	X	
Bufflehead	r		r	r			
Canvasback	r		r	r		X	
Common goldeneye			r	r		X	
Common merganser	r			r		X	
Gadwall	u	r	u	o		X	
Greater White-fronted goose	Accidental						
Green –winged teal	c	r	c	u	Y	X	
Hooded merganser	u	u	u	o	Y	X	
Lesser scaup	Accidental						
Mallard	a	a	a	a	Y		
Mute swan (e)							
Northern pintail	u	r	c	u		X	
Northern shoveler	o	r	o	r		X	
Red-breasted merganser				r		X	
Ring-necked duck	c			o		X	
Ruddy duck			r	r		X	
Snow goose	r		o	o			
Tundra swan	Accidental						
Wood duck	a	a	a	u	Y	X	
Wrens/Nuthatches							
House wren	c	a	c		Y		
Marsh wren	c	c	c	r	Y	X	
Carolina wren	c	c	c	u	Y	X	
Common grackle	a	c	a	o	Y		
Red–breasted nuthatch	o	o	u	o			
Cedar waxwing	c	u	c	u	Y		
Downy woodpecker	c	c	c	c	Y		
Eastern meadowlark	u	u	u	o	Y	X	
Brown Creeper	u	u	u	u	Y	X	
White-breasted nuthatch	c	c	c	c	Y		
Winter wren	u		u	u		X	
Woodpeckers							
Pileated woodpecker	o	o	o	o	Y		
Northern flicker	c	c	c	u	Y	X	
Hairy woodpecker	u	u	u	u	Y	X	
Red-headed woodpecker	o	o	o	u	Y	X	

Species[1]	Seasons on the Great Swamp National Wildlife Refuge (Birds)[2]					CCP Resource of Concern	Focal Species
	Spring	Summer	Fall	Winter	Nesting		
Red-bellied woodpecker	c	c	c	c	Y		
Horned lark		r	r	r		X	
Yellow-bellied sapsucker	u		u	r		X	
Shrikes and Vireos							
White-eyed vireo	u	u	u		Y		
Northern shrike	r		r	r			
Yellow-throated vireo	u	u	u		Y	X	
Philadelphia vireo			o				
Red-eyed vireo	c	c	c		Y		
Warbling vireo	c	u	r		Y		
Loggerhead shrike	Accidental						
Owls							
Eastern screech-owl	u	u	u	u	Y	X	
Barred owl	u	u	u	u	Y		
Barn owl	o	o	o	o		X	
Northern saw-whet owl	r		r	r		X	
Long-eared owl	o		o	o		X	
Short-eared owl	r			r		X	
Great horned owl	c	c	c	c	Y		
Swallows, Swifts and Nightjars							
Cliff swallow	u					X	
Bank swallow	u	u	u				
Chimney swift	c	c	c		Y	X	
Common nighthawk	u	u	c			X	
Purple martin	u	u			Y	X	
Tree swallow	a	a	a	r	Y		
Chuck-will's widow	Accidental						
Tanagers, Grosbeaks and Buntings							
Evening grosbeak	o		o	r			
Indigo bunting	u	o	u		Y	X	
Snow bunting			r	r			
Rose-breasted grosbeak	c	c	c		Y	X	
Orchard oriole	u	u			Y		
Summer tanager	Accidental						
Scarlet tanager	c	c	c		Y	X	X
Cardinal, Finches and Old World Finches							
American goldfinch	a	a	c	c	Y		
Purple Finch	u		u	u		X	
Baltimore oriole	c	c	c		Y	X	

Species[1]	Seasons on the Great Swamp National Wildlife Refuge (Birds)[2]					CCP Resource of Concern	Focal Species
	Spring	Summer	Fall	Winter	Nesting		
House finch	c	c	c	c	Y		
Northern cardinal	c	c	c	c	Y		
White-winged crossbill			r	r			
Red crossbill			r	r		X	
Pine siskin	o		o	o			
Gallanaceous Birds							
Ring-necked pheasant (e)	Accidental						
Wild turkey	c	c	c	c	Y		
Crows and Jays							
American crow	a	a	a	a	Y		
Fish crow	u	o	u	o	Y		
Doves and Cuckoos							
Black-billed cuckoo	u	u	o		Y	X	
Mourning dove	a	a	a	a	Y		
Yellow-billed cuckoo	u	u	o		Y	X	
Rock dove	c	c	c	c	Y		
Sanpipers and Plovers							
American woodcock	a	c	a	o	Y	X	X
Common snipe	a	r	c	o	Y	X	
Dunlin	r					X	
Greater yellowlegs	u	u	u			X	
Killdeer	c	c	c	o	Y	X	
Least sandpiper	c	u	o			X	
Lesser yellowlegs	u	o	u			X	
Pectoral sandpiper	u	u	u			X	
Ruff	Accidental						
Semipalmated sandpiper	o	o	o			X	
Short-billed dowitcher	r	r				X	
Solitary sandpiper	c	u	u			X	
Spotted sandpiper	c	u	u		Y	X	
Upland sandpiper	r					X	
Flycatchers							
Acadian flycatcher	o	o			Y	X	
American pipit	u		u				
American robin	a	a	a	u	Y		
Eastern kingbird	c	c	c		Y	X	
Eastern phoebe	c	c	c	r	Y		
Eastern wood pewee	c	c	c		Y	X	X
Great-crested flycatcher	c	c	c		Y	X	

Species[1]	Seasons on the Great Swamp National Wildlife Refuge (Birds)[2]					CCP Resource of Concern	Focal Species
	Spring	Summer	Fall	Winter	Nesting		
Least flycatcher	u	o	o		Y	X	
Olive-sided flycatcher	o	r	o			X	
Yellow-bellied flycatcher	o	r	o			X	
Willow flycatcher	c	c	c		Y	X	X
Hawks, Eagles, Falcons, Osprey							
American kestrel	c	u	c	u	Y	X	
Bald eagle	o	o	o	o		X	
Cooper's hawk	u	u	u	u	Y	X	
Golden eagle			r	r		X	
Merlin	o		o	r			
Northern harrier	c	r	c	c		X	X
Osprey	u		u			X	
Peregrine falcon			r			X	
Red-shouldered hawk	u	u	u	o	Y	X	
Red-tailed hawk	c	u	c	c	Y		
Rough-legged hawk	r		r	o			
Sharp-shinned hawk	u		c	u		X	
New World Vultures							
Turkey vulture	c	c	c	c			
Black vulture	u	u	u	u	Y		
Thrushes and Mimics							
Brown thrasher	c	c	c	r	Y	X	
Eastern bluebird	c	c	c	c	Y		
Gray catbird	a	a	a	r	Y	X	
Gray-cheeked thrush	u		o			X	
Hermit thrush	c		c	o			
Northern mockingbird	c	c	c	c	Y		
Swainson's thrush	u		u				
Veery	c	c	c		Y	X	
Varied thrush	Accidental						
Wood thrush	c	c	c		Y	X	X
Chickadees and Titmice							
Tufted titmouse	a	a	a	a	Y		
Golden-crowned kinglet	c		c	u			
Ruby-crowned kinglet	c		c	o			
Black -capped chickadee							
Warblers							
American redstart	c	c	c		Y		
Black-and-white warbler	c	c	c		Y	X	

Species[1]	Seasons on the Great Swamp National Wildlife Refuge (Birds)[2]					CCP Resource of Concern	Focal Species
	Spring	Summer	Fall	Winter	Nesting		
Blackburnian warbler	u	o	u			X	
Blackpoll warbler	c	o	c				
Black-throated blue warbler	c	o	c			X	
Black-throated green warbler	c	o	c			X	
Blue-winged warbler	c	c	c		Y	X	X
Canada warbler	c	r	c			X	
Cerulean warbler	o	o				X	
Common yellowthroat	a	a	a	r	Y		
Connecticut warbler			o				
Golden-winged warbler	o					X	
Hooded warbler	o		o			X	
Blue-gray gnatcatcher							
Kentucky warbler	o	r				X	
Louisiana waterthrush	u	o	o		Y	X	
Magnolia warbler	c	o	c				
Mourning warbler	u	o	o				
Nashville warbler	u		u			X	
Northern parula	c	o	c			X	
Northern waterthrush	c	u	u		Y		
Ovenbird	c	c	c		Y		
Palm warbler	c		u				
Pine warbler	u		o			X	
Prairie warbler	o					X	
Prothonotary warbler	o	r	r		Y	X	
Tennessee warbler	u	o	u				
Wilson's warbler	u		u			X	
Worm-eating warbler	u	o				X	
Yellow warbler	a	a	u		Y		
Yellow-breasted chat	o	o	o		Y	X	
Yellow-rumped warbler	a		c				
Yellow-throated warbler	r					X	
Sparrows, Towhees, Juncos							
Chipping sparrow	c	c	c	r	Y		
Eastern towhee	a	a	a	r	Y	X	X
Dark-eyed junco	c		c	c			
Field sparrow	c	c	c	u	Y	X	
Fox sparrow	u		u	o			
Grasshopper sparrow	r		r			X	
Savannah sparrow	u		u	r		X	

Species[1]	Seasons on the Great Swamp National Wildlife Refuge (Birds)[2]					CCP Resource of Concern	Focal Species
	Spring	Summer	Fall	Winter	Nesting		
Lincoln's sparrow	o		u				
White-throated sparrow	c		c	c		X	
Swamp sparrow	a	a	a	u	Y		
Vesper sparrow	o	r	o	r		X	
American tree sparrow	c		c	c			
Common redpoll	r		r	r			
Le Conte's Sparrow	Accidental						
Sharp-tailed Sparrow (Nelson's)	Accidental						
White-crowned sparrow	o		o				
Song sparrow	a	a	a	c	Y		
Blackbirds and Orioles							
Red winged blackbird	a	a	a	u	Y		
Rusty blackbird	c		c	u		X	
bobolink						X	
Ruby-throated hummingbird	u	o	u		Y		
Brown headed cowbird	c	c	c	o	Y		
Yellow-headed blackbird	Accidental						
Monk Parakeet (e)	Accidental						
MAMMALS							
Beaver							
Big brown bat							
black bear							
Coyote							
Eastern chipmunk							
Eastern cottontail							
Eastern red bat						X	
Eastern small-footed bat						X	
Gray fox							
Gray squirrel							
Hoary bat						X	
house mouse							
Indiana bat						X	X
Little brown bat						X	
Longtail weasel							
Masked shrew							
Meadow jumping mouse							
Meadow vole							
Mink							

Species[1]	Seasons on the Great Swamp National Wildlife Refuge (Birds)[2]					CCP Resource of Concern	Focal Species
	Spring	Summer	Fall	Winter	Nesting		
Muskrat							
Northern myotis						X	
Opossum							
raccoon							
Red fox							
Red squirrel							
River otter						X	
Short-tailed shrew							
Silver-haired bat						X	
Smoky shrew							
Southern flying squirrel							
Southern red-backed vole							
Starnose mole							
Striped skunk							
Tri-colored bat						X	
White-footed mouse							
Whitetail deer							
Woodchuck							
Woodland jumping mouse							
Woodland vole							
AMPHIBIANS							
Blue-spotted salamander						X	X
Red-spotted newt							
Northern dusky salamander							
Redback salamander							
Northern slimy salamander							
Four –toed salamander						X	
Northern red salamander							
Upland chorus frog							
Spring peeper							
Northern cricket frog							
Northern gray treefrog							
Bullfrog							
Green frog							
Wood frog							
Pickerel frog							
Northern leopard frog							
Southern leopard frog							
American toad							

Species[1]	Seasons on the Great Swamp National Wildlife Refuge (Birds)[2]					CCP Resource of Concern	Focal Species
	Spring	Summer	Fall	Winter	Nesting		
Fowler's toad							
REPTILES							
Eastern mud turtle							
Black rat snake							
Bog turtle						X	X
Common musk turtle							
Common snapping turtle							
Eastern box turtle						X	
Eastern garter snake							
Eastern hognose snake							
Eastern milk snake							
Eastern ribbon snake							
Eastern smooth earth snake							
Eastern worm snake							
Five-lined skink							
Northern black racer							
Northern brown snake							
Northern ringneck snake							
Northern water snake							
Painted turtle							
Redbelly turtle							
Red-eared slider							
Smooth green snake						X	
Spotted turtle						X	
Wood turtle						X	X
FISH							
American Brook Lamprey						X	
Banded Killifish							
Banded Sunfish						X	
Black Crappie							
Blacknose Dace							
Bluegill							
Bluespotted sunfish							
Bridle Shiner						X	
Brook Trout						X	
Brown trout							
Brown Bullhead							
Chain Pickerel							
Common Carp							

Species[1]	Seasons on the Great Swamp National Wildlife Refuge (Birds)[2]					CCP Resource of Concern	Focal Species
	Spring	Summer	Fall	Winter	Nesting		
Common Shiner							
Creek Chub							
Creek Chubsucker							
Eastern Mudminnow							
Eastern Silvery Minnow							
Fallfish							
Golden Shiner							
Grass Pickerel							
Green Sunfish							
Inland Silverside							
Johnny Darter							
Largemouth Bass							
Mud Sunfish							
Pumpkinseed							
Redbreast Sunfish							
Redfin Pickerel							
Satinfin Shiner							
Smallmouth Bass							
Spotfin Shiner							
Spottail Shiner							
Tessellated Darter							
White Crappie							
White Sucker							
Yellow Bullhead							
Yellow Perch							

NOTES

[1] Species List compiled from Great Swamp NWR Inventory Lists and NJDEP Bureau of Freshwater Fisheries (2009)

[2] Seasonal occurrence is based upon the likelihood of viewing a species while birding at the refuge (a = abundant, c = common, u = uncommon, o = occasional, r = rare), as indicated in the US Fish and Wildlife Service Great Swamp National Wildlife Refuge Bird List (http://www.fws.gov/northeast/greatswamp/).

Table A-2. INVERTEBRATE SPECIES DOCUMENTED AT GREAT SWAMP NW

Class or Subclass	Order/Suborder	Family/Subfamily	Genius/Species	Common Name
Butterflies				
Insecta	Lepidoptera	Pieridae	*Colias philodice*	Clouded sulphur
Insecta	Lepidoptera	Pieridae	*Colias eurytheme*	Orange sulfur
Insecta	Lepidoptera	Pieridae	*Phoebis sennae*	Cloudless sulphur
Insecta	Lepidoptera	Pieridae	*Pieris rapae*	Cabbage white
Insecta	Lepidoptera	Papilionidae	*Battus philenor*	Pipevine swallowtail
Insecta	Lepidoptera	Papilionidae	*Papilio glaucus*	Eastern tiger swallowtail
Insecta	Lepidoptera	Papilionidae	*Papilio troilus*	Spicebush swallowtail
Insecta	Lepidoptera	Lycaenidae	*Feniseca tarquinius*	Harvester
Insecta	Lepidoptera	Lycaenidae	*Lycaena philaeas*	American copper
Insecta	Lepidoptera	Lycaenidae	*Satryium titus*	Coral hairstreak
Insecta	Lepidoptera	Lycaenidae	*Satryium calanus*	Banded hairstreak
Insecta	Lepidoptera	Lycaenidae	*Satryium liparops*	Striped hairstreak
Insecta	Lepidoptera	Lycaenidae	*Parrhasius m-album*	White M hairstreak
Insecta	Lepidoptera	Lycaenidae	*Satyrium favonius*	Southern hairstreak
Insecta	Lepidoptera	Lycaenidae	*Strymon melinus*	Gray hairstreak
Insecta	Lepidoptera	Lycaenidae	*Everes comyntas*	Eastern tailed blue
Insecta	Lepidoptera	Lycaenidae	*Celastrina ladon*	Spring azure
Insecta	Lepidoptera	Lycaenidae	*Celastrina neglecta*	Summer Azure
Insecta	Lepidoptera	Lycaenidae	*Callophrys augustinus*	brown elfin
Insecta	Lepidoptera	Nymphalidae	*Speyeria cybele*	Great spangled fritillary
Insecta	Lepidoptera	Nymphalidae	*Phyciodes tharos*	Pearl crescent
Insecta	Lepidoptera	Nymphalidae	*Euphydryas phaeton*	Baltimore checkerspot
Insecta	Lepidoptera	Nymphalidae	*Polygonia interrogationis*	Question mark
Insecta	Lepidoptera	Nymphalidae	*Polygonia comma*	Eastern comma
Insecta	Lepidoptera	Nymphalidae	*Nymphalis vau-album*	Compton tortoiseshell
Insecta	Lepidoptera	Nymphalidae	*Nymphalis antiopa*	Mourning cloak
Insecta	Lepidoptera	Nymphalidae	*Vanessa virginensis*	American lady
Insecta	Lepidoptera	Nymphalidae	*Vanessa cardui*	Painted lady
Insecta	Lepidoptera	Nymphalidae	*Vanessa atalanta*	Red admiral
Insecta	Lepidoptera	Nymphalidae	*Junonia coenia*	Common buckeye
Insecta	Lepidoptera	Nymphalidae	*Lirnenitis arthemis astynax*	Red-spotted purple
Insecta	Lepidoptera	Nymphalidae	*Lirnenitis archippus*	Viceroy
Insecta	Lepidoptera	Nymphalidae/ Satyrinae	*Enodia anthedon*	Northern pearly-eye
Insecta	Lepidoptera	Nymphalidae/ Satyrinae	*Satyrodes eurydice*	Eyed brown
Insecta	Lepidoptera	Nymphalidae/ Satyrinae	*Satyrodes appalachia*	Appalachian brown
Insecta	Lepidoptera	Nymphalidae/ Satyrinae	*Megisto cymela*	Little wood-satyr
Insecta	Lepidoptera	Nymphalidae/ Satyrinae	*Cercyonis pegala*	Common wood-nymph
Insecta	Lepidoptera	Nymphalidae/ Danainae	*Danaus plexippus*	Monarch

Class or Subclass	Order/Suborder	Family/Subfamily	Genius/Species	Common Name
Insecta	Lepidoptera	Hesperiidae	*Epargyreus clarus*	Silver -spotted skipper
Insecta	Lepidoptera	Hesperiidae	*Achalarus lyciades*	Hoary edge
Insecta	Lepidoptera	Hesperiidae	*Thorybes bathyllus*	Southern cloudywing
Insecta	Lepidoptera	Hesperiidae	*Erynnis horatius*	Horace's duskywing
Insecta	Lepidoptera	Hesperiidae	*Erynnis juvenalis*	Juvenal's duskywing
Insecta	Lepidoptera	Hesperiidae	*Erynnis baptisiae*	Wild indigo duskywing
Insecta	Lepidoptera	Hesperiidae	*Nastra lherminier*	Swarthy skipper
Insecta	Lepidoptera	Hesperiidae	*Ancyloxypha numitor*	Least skipper
Insecta	Lepidoptera	Hesperiidae	*Thymelicus lineola*	European skipper
Insecta	Lepidoptera	Hesperiidae	*Hyephila phyleus*	Fiery skipper
Insecta	Lepidoptera	Hesperiidae	*Polites themistocles*	Tawny-edged skipper
Insecta	Lepidoptera	Hesperiidae	*Polites peckius*	Peck's skipper
Insecta	Lepidoptera	Hesperiidae	*Polites orignenes*	Crossline skipper
Insecta	Lepidoptera	Hesperiidae	*Wallengrenia egeremet*	Northern broken-dash
Insecta	Lepidoptera	Hesperiidae	*Pompeius verna*	Little glassywing
Insecta	Lepidoptera	Hesperiidae	*Atalopedes campestris*	Sachem
Insecta	Lepidoptera	Hesperiidae	*Anatrytone logan*	Delaware skipper
Insecta	Lepidoptera	Hesperiidae	*Poanes massasoit*	Mulberry wing
Insecta	Lepidoptera	Hesperiidae	*Poanes hobomok*	Hobomok skipper
Insecta	Lepidoptera	Hesperiidae	*Poanes zabulon*	Zabulon skipper
Insecta	Lepidoptera	Hesperiidae	*Poanes viator*	Broad-wing skipper
Insecta	Lepidoptera	Hesperiidae	*Euphyes dion*	Dion skipper
Insecta	Lepidoptera	Hesperiidae	*Euphyes conspicua*	Black dash
Insecta	Lepidoptera	Hesperiidae	*Euphyes vestris*	Dun skipper
Insecta	Lepidoptera	Hesperiidae	*Panoquina ocola*	Ocola skipper
Moths				
Insecta	Lepidoptera	Apatelodidae	*Apelodes torrefacta*	
Insecta	Lepidoptera	Apatelodidae	*Olceclostera angelica*	
Insecta	Lepidoptera	Arctiidae	*Cisseps fulvicollis*	
Insecta	Lepidoptera	Arctiidae	*Clamensia albata*	
Insecta	Lepidoptera	Arctiidae	*Crambidia pallida*	
Insecta	Lepidoptera	Arctiidae	*Cycnia tenera*	
Insecta	Lepidoptera	Arctiidae	*Ecpantheria scribonia*	
Insecta	Lepidoptera	Arctiidae	*Grammia virgo*	
Insecta	Lepidoptera	Arctiidae	*Halysidota tessellaris*	
Insecta	Lepidoptera	Arctiidae	*Haploa clymene*	
Insecta	Lepidoptera	Arctiidae	*Hyphantria cunea*	
Insecta	Lepidoptera	Arctiidae	*Lophocampa caryae*	
Insecta	Lepidoptera	Arctiidae	*Phragmatobia fulignosa*	
Insecta	Lepidoptera	Arctiidae	*Phragmatobia lineata*	
Insecta	Lepidoptera	Arctiidae	*Pyrrharctia isabella*	
Insecta	Lepidoptera	Arctiidae	*Spilosoma virginica*	
Insecta	Lepidoptera	Attevidae	*Atteva punctella*	
Insecta	Lepidoptera	Cossidae	*Zeuzera pyrina*	
Insecta	Lepidoptera	Drepanidae	*Drepana arcuata*	

Class or Subclass	Order/Suborder	Family/Subfamily	Genius/Species	Common Name
Insecta	Lepidoptera	Drepanidae	*Drepana bilineata*	
Insecta	Lepidoptera	Drepanidae	*Oreta rosea*	
Insecta	Lepidoptera	Gelechiidae	*Arogalea cristifasciella*	
Insecta	Lepidoptera	Gelechiidae	*Chionodes mediofuscella*	
Insecta	Lepidoptera	Geometridae	*Alsophila pometaria*	
Insecta	Lepidoptera	Geometridae	*Anavitrinella pampinaria*	
Insecta	Lepidoptera	Geometridae	*Cepphis armataria*	
Insecta	Lepidoptera	Geometridae	*Chloroclystis rectangulata*	
Insecta	Lepidoptera	Geometridae	*Coryphista meadii*	
Insecta	Lepidoptera	Geometridae	*Costaconvexa centrostrigaria*	
Insecta	Lepidoptera	Geometridae	*Cyclophora pendulinaria*	
Insecta	Lepidoptera	Geometridae	*Ectropis crepuscularia*	
Insecta	Lepidoptera	Geometridae	*Ennomos magnaria*	
Insecta	Lepidoptera	Geometridae	*Ennomos subsignaria*	
Insecta	Lepidoptera	Geometridae	*Eubaphe mendica*	
Insecta	Lepidoptera	Geometridae	*Euchlaena serrata*	
Insecta	Lepidoptera	Geometridae	*Eulithis gracilineata*	
Insecta	Lepidoptera	Geometridae	*Euphyia unangulata intermediata*	
Insecta	Lepidoptera	Geometridae	*Eupithecia miserulata*	
Insecta	Lepidoptera	Geometridae	*Eusarca confusaria*	
Insecta	Lepidoptera	Geometridae	*Eutrapela clemataria*	
Insecta	Lepidoptera	Geometridae	*Haematopis grataria*	
Insecta	Lepidoptera	Geometridae	*Heliomata cycladata*	
Insecta	Lepidoptera	Geometridae	*Idaea dimidiata*	
Insecta	Lepidoptera	Geometridae	*Itame pustularia*	
Insecta	Lepidoptera	Geometridae	*Lytrosis unitaria*	
Insecta	Lepidoptera	Geometridae	*Melanophia signataria*	
Insecta	Lepidoptera	Geometridae	*Metarranthis homuraria*	
Insecta	Lepidoptera	Geometridae	*Nacophora quemaria*	
Insecta	Lepidoptera	Geometridae	*Nematocampa limbata*	
Insecta	Lepidoptera	Geometridae	*Nemoria mimosaria*	
Insecta	Lepidoptera	Geometridae	*Orthonama centrostrigaria*	
Insecta	Lepidoptera	Geometridae	*Paleacrita merricata*	
Insecta	Lepidoptera	Geometridae	*Paleacrita vernata*	
Insecta	Lepidoptera	Geometridae	*Phigalia denticulata*	
Insecta	Lepidoptera	Geometridae	*Phigalia strigataria*	
Insecta	Lepidoptera	Geometridae	*Phigalia titea*	
Insecta	Lepidoptera	Geometridae	*Pleuroprucha insularia*	
Insecta	Lepidoptera	Geometridae	*Scopula inductata*	
Insecta	Lepidoptera	Geometridae	*Scopula limboundata*	
Insecta	Lepidoptera	Geometridae	*Semithothsia aequiferaria*	
Insecta	Lepidoptera	Geometridae	*Tetracis crocallata*	
Insecta	Lepidoptera	Geometridae	*Xanthotype utricaria*	

Class or Subclass	Order/Suborder	Family/Subfamily	Genius/Species	Common Name
Insecta	Lepidoptera	Lasiocampidae	*Artace cribraria*	
Insecta	Lepidoptera	Lasiocampidae	*Malacosoma americanum*	
Insecta	Lepidoptera	Lasiocampidae	*Malacosoma disstria*	
Insecta	Lepidoptera	Limacodidae	*Apoda biguttata*	
Insecta	Lepidoptera	Limacodidae	*Apoda y-inversum*	
Insecta	Lepidoptera	Limacodidae	*Parasa chloris*	
Insecta	Lepidoptera	Limacodidae	*Sibine stimulea*	
Insecta	Lepidoptera	Lymantriidae	*Dasychira cinnamomea*	
Insecta	Lepidoptera	Mimallonidae	*Lacosoma chiridota*	
Insecta	Lepidoptera	Lymantriidae	*Acronicta americana*	
Insecta	Lepidoptera	Lymantriidae	*Orgyia leucostigma*	
Insecta	Lepidoptera	Noctuidae	*Acronicta oblinita*	
Insecta	Lepidoptera	Noctuidae	*Acronicta ovata*	
Insecta	Lepidoptera	Noctuidae	*Agrotis ipsilon*	
Insecta	Lepidoptera	Noctuidae	*Allotria elonympha*	
Insecta	Lepidoptera	Noctuidae	*Amphipyra pyramidoides*	
Insecta	Lepidoptera	Noctuidae	*Anagrapha falcifera*	
Insecta	Lepidoptera	Noctuidae	*Anathix ralla*	
Insecta	Lepidoptera	Noctuidae	*Apamea dubitans*	
Insecta	Lepidoptera	Noctuidae	*Apamea ophiogramma*	
Insecta	Lepidoptera	Noctuidae	*Archanara oblonga*	
Insecta	Lepidoptera	Noctuidae	*Autographia precationis*	
Insecta	Lepidoptera	Noctuidae	*Balsa labecula*	
Insecta	Lepidoptera	Noctuidae	*Bellura anoa*	
Insecta	Lepidoptera	Noctuidae	*Bomolocha manalis*	
Insecta	Lepidoptera	Noctuidae	*Caenurgina erechtea*	
Insecta	Lepidoptera	Noctuidae	*Catocala amica*	
Insecta	Lepidoptera	Noctuidae	*Catocala andromedae*	
Insecta	Lepidoptera	Noctuidae	*Catocala blandula*	
Insecta	Lepidoptera	Noctuidae	*Catocala cara*	
Insecta	Lepidoptera	Noctuidae	*Catocala coccinata*	
Insecta	Lepidoptera	Noctuidae	*Catocala concumbens*	
Insecta	Lepidoptera	Noctuidae	*Catocala connubialis*	
Insecta	Lepidoptera	Noctuidae	*Catocala gracilis*	
Insecta	Lepidoptera	Noctuidae	*Catocala grynea*	
Insecta	Lepidoptera	Noctuidae	*Catocala ilia*	
Insecta	Lepidoptera	Noctuidae	*Catocala lineella*	
Insecta	Lepidoptera	Noctuidae	*Catocala obscura*	
Insecta	Lepidoptera	Noctuidae	*Catocala palaeogama*	
Insecta	Lepidoptera	Noctuidae	*Catocala praeclara*	
Insecta	Lepidoptera	Noctuidae	*Catocala residua*	
Insecta	Lepidoptera	Noctuidae	*Catocala retecta*	
Insecta	Lepidoptera	Noctuidae	*Catocala serena*	
Insecta	Lepidoptera	Noctuidae	*Catocala ultronia*	
Insecta	Lepidoptera	Noctuidae	*Cerma cerintha*	
Insecta	Lepidoptera	Noctuidae	*Chaetaglaea sericea*	

Class or Subclass	Order/Suborder	Family/Subfamily	Genius/Species	Common Name
Insecta	Lepidoptera	Noctuidae	*Chrysnaympha formosa*	
Insecta	Lepidoptera	Noctuidae	*Cirrhophanus triangulifer*	
Insecta	Lepidoptera	Noctuidae	*Coenophila opacifrons*	
Insecta	Lepidoptera	Noctuidae	*Colocasia flavicornis*	
Insecta	Lepidoptera	Noctuidae	*Condica videns*	
Insecta	Lepidoptera	Noctuidae	*Cucullia asteroides*	
Insecta	Lepidoptera	Noctuidae	*Cucullia convexipennis*	
Insecta	Lepidoptera	Noctuidae	*Egira altemans*	
Insecta	Lepidoptera	Noctuidae	*Epigalea decliva*	
Insecta	Lepidoptera	Noctuidae	*Euagrotis illapsa*	
Insecta	Lepidoptera	Noctuidae	*Eudryas grata*	
Insecta	Lepidoptera	Noctuidae	*Eudryas unio*	
Insecta	Lepidoptera	Noctuidae	*Eupsilia devia*	
Insecta	Lepidoptera	Noctuidae	*Eutelia pulcherrima*	
Insecta	Lepidoptera	Noctuidae	*Feltia subgothica*	
Insecta	Lepidoptera	Noctuidae	*Galgula partita*	
Insecta	Lepidoptera	Noctuidae	*Harrisimemna trisignata*	
Insecta	Lepidoptera	Noctuidae	*Heliothis zea*	
Insecta	Lepidoptera	Noctuidae	*Himella intractata*	
Insecta	Lepidoptera	Noctuidae	*Hyppa xylinoides*	
Insecta	Lepidoptera	Noctuidae	*Hypsoropha hormos*	
Insecta	Lepidoptera	Noctuidae	*Idia aemula*	
Insecta	Lepidoptera	Noctuidae	*Idia americalis*	
Insecta	Lepidoptera	Noctuidae	*Idia lubricalis*	
Insecta	Lepidoptera	Noctuidae	*Lacinipolia meditata*	
Insecta	Lepidoptera	Noctuidae	*Lacinipolia renigera*	
Insecta	Lepidoptera	Noctuidae	*Lemmeria digitalis*	
Insecta	Lepidoptera	Noctuidae	*Leucania lapidaria*	
Insecta	Lepidoptera	Noctuidae	*Leucania ursula*	
Insecta	Lepidoptera	Noctuidae	*Leuconycta diphteroides*	
Insecta	Lepidoptera	Noctuidae	*Macrochilo orciferalis*	
Insecta	Lepidoptera	Noctuidae	*Megalographa biloba*	
Insecta	Lepidoptera	Noctuidae	*Meropleon diversicolor*	
Insecta	Lepidoptera	Noctuidae	*Metaxaglaea viatica*	
Insecta	Lepidoptera	Noctuidae	*Morrisonia confusa*	
Insecta	Lepidoptera	Noctuidae	*Nedra ramosula*	
Insecta	Lepidoptera	Noctuidae	*Noctua pronuba*	
Insecta	Lepidoptera	Noctuidae	*Ochropleura implecta*	
Insecta	Lepidoptera	Noctuidae	*Oligia chlorostigma*	
Insecta	Lepidoptera	Noctuidae	*Orthodes cynica*	
Insecta	Lepidoptera	Noctuidae	*Orthosia rubescens*	
Insecta	Lepidoptera	Noctuidae	*Paectes abrostolooides*	
Insecta	Lepidoptera	Noctuidae	*Palthis angulalis*	
Insecta	Lepidoptera	Noctuidae	*Pangrapta decoralis*	
Insecta	Lepidoptera	Noctuidae	*Panopoda rufimargo*	
Insecta	Lepidoptera	Noctuidae	*Papaipema arctivorens*	

Class or Subclass	Order/Suborder	Family/Subfamily	Genius/Species	Common Name
Insecta	Lepidoptera	Noctuidae	*Papaipema baptisiae*	
Insecta	Lepidoptera	Noctuidae	*Papaipema cerussata*	
Insecta	Lepidoptera	Noctuidae	*Papaipema inquaesita*	
Insecta	Lepidoptera	Noctuidae	*Papaipema nelita*	
Insecta	Lepidoptera	Noctuidae	*Pericroma saucia*	
Insecta	Lepidoptera	Noctuidae	*Perigea xanthioides*	
Insecta	Lepidoptera	Noctuidae	*Phosphila miselioides*	
Insecta	Lepidoptera	Noctuidae	*Plagiomimicus pityochromus*	
Insecta	Lepidoptera	Noctuidae	*Plathypena scabra*	
Insecta	Lepidoptera	Noctuidae	*Plusia contexta*	
Insecta	Lepidoptera	Noctuidae	*Polia detracta*	
Insecta	Lepidoptera	Noctuidae	*Psaphida rolandi*	
Insecta	Lepidoptera	Noctuidae	*Pseudaletia unipuncta*	
Insecta	Lepidoptera	Noctuidae	*Pseudeustrotia cameola*	
Insecta	Lepidoptera	Noctuidae	*Raphia frater*	
Insecta	Lepidoptera	Noctuidae	*Schinia arcigera*	
Insecta	Lepidoptera	Noctuidae	*Schina rivulosa*	
Insecta	Lepidoptera	Noctuidae	*Scoliopteryx libatrix*	
Insecta	Lepidoptera	Noctuidae	*Simyra henrici*	
Insecta	Lepidoptera	Noctuidae	*Spodoptera omithogalli*	
Insecta	Lepidoptera	Noctuidae	*Sunira bicolorago*	
Insecta	Lepidoptera	Noctuidae	*Trichoplusia ni*	
Insecta	Lepidoptera	Noctuidae	*Ulolonche culea*	
Insecta	Lepidoptera	Noctuidae	*Xestia dilucida*	
Insecta	Lepidoptera	Noctuidae	*Xestia dolosa*	
Insecta	Lepidoptera	Noctuidae	*Xestia smithii*	
Insecta	Lepidoptera	Noctuidae	*Zale aeruginosa*	
Insecta	Lepidoptera	Noctuidae	*Zale horrida*	
Insecta	Lepidoptera	Noctuidae	*Zale lunata*	
Insecta	Lepidoptera	Notodontidae	*Datana contracta*	
Insecta	Lepidoptera	Notodontidae	*Datana ministra*	
Insecta	Lepidoptera	Notodontidae	*Heterocampa guttivitta*	
Insecta	Lepidoptera	Notodontidae	*Heterocampa obliqua*	
Insecta	Lepidoptera	Notodontidae	*Hyparpax aurora*	
Insecta	Lepidoptera	Notodontidae	*Macrurocampa marthesia*	
Insecta	Lepidoptera	Notodontidae	*Nadata gibbosa*	
Insecta	Lepidoptera	Notodontidae	*Psaphida rolandi*	
Insecta	Lepidoptera	Notodontidae	*Pseudaletia unipuncta*	
Insecta	Lepidoptera	Notodontidae	*Pseudeustrotia cameola*	
Insecta	Lepidoptera	Notodontidae	*Oligcentria lignicolor*	
Insecta	Lepidoptera	Notodontidae	*Peridea angulosa*	
Insecta	Lepidoptera	Notodontidae	*Peridea ferruginea*	
Insecta	Lepidoptera	Notodontidae	*Pheosia rimosa*	
Insecta	Lepidoptera	Notodontidae	*Schizura unicornis*	
Insecta	Lepidoptera	Notodontidae	*Symmerista albifrons*	

Class or Subclass	Order/Suborder	Family/Subfamily	Genius/Species	Common Name
Insecta	Lepidoptera	Oecophoridae	*Agonopterix pulvipennella*	
Insecta	Lepidoptera	Oecophoridae	*Semioscopis inornata*	
Insecta	Lepidoptera	Pyralidae	*Aglossa cuprina*	
Insecta	Lepidoptera	Pyralidae	*Agriphila vulgivagella*	
Insecta	Lepidoptera	Pyralidae	*Desmia funeralis*	
Insecta	Lepidoptera	Pyralidae	*Herculia infimbrialis*	
Insecta	Lepidoptera	Pyralidae	*Herpetogramma aegealis*	
Insecta	Lepidoptera	Pyralidae	*Munroedes futilalis*	
Insecta	Lepidoptera	Pyralidae	*Munroessa icciusalis*	
Insecta	Lepidoptera	Pyralidae	*Nomophila nearctica*	
Insecta	Lepidoptera	Pyralidae	*Parapediasia teterrella*	
Insecta	Lepidoptera	Pyralidae	*Pediasia trisecta*	
Insecta	Lepidoptera	Pyralidae	*Peoria approximella*	
Insecta	Lepidoptera	Pyralidae	*Thaumatopsis pexella*	
Insecta	Lepidoptera	Pyralidae	*Udea rubigalis*	
Insecta	Lepidoptera	Pyralidae	*Urola nivalis*	
Insecta	Lepidoptera	Saturnidae	*Actias luna*	
Insecta	Lepidoptera	Saturnidae	*Antheraea polyphemus*	
Insecta	Lepidoptera	Saturnidae	*Automeris io*	
Insecta	Lepidoptera	Saturnidae	*Callosamia anguifera*	
Insecta	Lepidoptera	Saturnidae	*Callosamia promethea*	
Insecta	Lepidoptera	Saturnidae	*Dryocampa rubicunda*	
Insecta	Lepidoptera	Saturnidae	*Hyalophora cecropia*	
Insecta	Lepidoptera	Saturnidae	*Podosesia syringae*	
Insecta	Lepidoptera	Sesiidae	*Synanthedon acerni*	
Insecta	Lepidoptera	Sesiidae	*Synanthedon exitiosa*	
Insecta	Lepidoptera	Sphingidae	*Ceratomia amyntor*	
Insecta	Lepidoptera	Sphingidae	*Ceratomia undulosa*	
Insecta	Lepidoptera	Sphingidae	*Darapsa myron*	
Insecta	Lepidoptera	Sphingidae	*Darapsa pholus*	
Insecta	Lepidoptera	Sphingidae	*Darapsa versicolor*	
Insecta	Lepidoptera	Sphingidae	*Dolba hyloeus*	
Insecta	Lepidoptera	Sphingidae	*Eumorpha pandorus*	
Insecta	Lepidoptera	Sphingidae	*Laothoe juglandis*	
Insecta	Lepidoptera	Sphingidae	*Manduca quinquemaculata*	
Insecta	Lepidoptera	Sphingidae	*Paonias astylus*	
Insecta	Lepidoptera	Sphingidae	*Paonias excaecatus*	
Insecta	Lepidoptera	Sphingidae	*Smerinthus jamaicensis*	
Insecta	Lepidoptera	Tortricidae	*Acleris logiana*	
Insecta	Lepidoptera	Tortricidae	*Acleris chalybeana*	
Insecta	Lepidoptera	Tortricidae	*Acleris schalleriana vibumana*	
Insecta	Lepidoptera	Tortricidae	*Argyrotaenia velutinana*	
Insecta	Lepidoptera	Tortricidae	*Chimoptesis pennsylvaniana*	
Insecta	Lepidoptera	Tortricidae	*Pandemis limitata*	

Class or Subclass	Order/Suborder	Family/Subfamily	Genius/Species	Common Name
Insecta	Lepidoptera	Noctuidae	*Zale undularis*	
Insecta	Lepidoptera	Noctuidae	*Renia nemoralis*	
Insecta	Lepidoptera	Noctuidae	*Archanara subflava ?*	
Insecta	Lepidoptera	Arctiidae	*Cycnia tenera?*	
Insecta	Lepidoptera	Arctiidae	*Holomelina opella*	
Insecta	Lepidoptera	Geometridae	*Eulithis sp.*	
Insecta	Lepidoptera	Geometridae	*Eupithecia sp.*	
Insecta	Lepidoptera	Geometridae	*Metarranthis sp.*	
Insecta	Lepidoptera	Geometridae	*Nemoria bistriana?*	
Insecta	Lepidoptera	Geometridae	*Pero sp.*	
Insecta	Lepidoptera	Noctuidae	*Eupsilia sp.*	
Insecta	Lepidoptera	Noctuidae	*Leucania*	
Insecta	Lepidoptera	Tortricidae	*Cydia sp.*	
Insecta	Lepidoptera	Tortricidae	*Phaneta sp.*	
Insecta	Lepidoptera	Tortricidae	*Pseudexentera sp.*	
Additional Insects/Myriapods				
Insecta	Hymenoptera	Formicidae spp.		Ants
Insecta	Hymenoptera	Vespidae		Hornets
Insecta	Neuroptera	Chrysopidae		Green lacewing
Insecta	Neoptera	Corydalidae		Dobsonflies
Insecta	Diptera	Lauxaniidae		Lauxanid flies
Insecta	Diptera	Simulidae		Black flies
Insecta	Diptera	Asilidae		Robber flies
Insecta	Diptera	Chironomidae spp (4)		Midges
Insecta	Diptera	Tipulidae spp (3)		Crane flies
Insecta	Diptera	Cucilidae spp (3)		Mosquitoes
Insecta	Diptera	Muscidae		House flies
Insecta	Diptera	Tipulidae	*Muscus* sp.	Crane flies
Insecta	Diptera	Dolichopodiadae		Long legged flies
Insecta	Diptera	Lauxaniidae		Lauxanid flies
Insecta	Diptera	Ichneumoninae		Ichneumous flies
Insecta	Diptera	Tabanidae		Horse-flies
Insecta	Diptera	Tenthredinidae		Common sawflies
Insecta	Trichoptera	Psychomyiidae		Trumpet net/tube making caddisflies
Insecta	Trichoptera	Leptoceridae	*Psychomyia* sp.	Long-horned caddisflies
Insecta	Trichoptera spp. (3)			Caddisflies
Insecta	Trichoptera	Philopotamida		Little black sedges
Insecta	Trichoptera	hydropsychida	*Chimarra* sp.	Great gray-spotted sedges
Insecta	Odonata	Libellulidae	Arctopsyche sp.	Skimmers/pearcher dragonflies
Insecta	Odonata/Zygoptera	Coenagrionidae spp (2)		Damselflies
Insecta	Odonata/Zygoptera	Coenagrionidae		Pond damselflies
Insecta	Diptera/Nematocera	Simuliidae	*Argia* sp.	Black fly
Insecta	Ephemeroptera	Heptageniidae	*Simulium vittatum*	March brown and Cahill mayflies

Class or Subclass	Order/Suborder	Family/Subfamily	Genius/Species	Common Name
Insecta	Ephemeroptera	Heptageniidae	*Stenonema* sp.	Little maryatt
Insecta	Hemiptera/ Homoptera	Membracidae spp.(2)	*Epeorus* sp.	Treehoppers
Insecta	Hemiptera /Homoptera	Cicadellidae spp. (7)		Leafhoppers
Insecta	Hemiptera	Aphididae		Aphids
Insecta	Hemiptera	Pentatonidae		Green stink bug
Insecta	Hemiptera	Pentatonidae sp.	*Acrosternum hilare*	Stink bugs
Insecta	Hemiptera	Miridae spp. (2)		Plant bugs
Insecta	Hemiptera	Mesoveliidae		Water treaders
Insecta	Hemiptera	Lygaeidae spp. (2)		Seed bugs
Insecta	Hemiptera	Reduviidae spp (2)		Assasin bugs
Insecta	Hemiptera	Notonectidae spp (2)		Backswimmers
Insecta	Hemiptera	Belostomatidae		Giant waterbugs
Insecta	Hemiptera	Nepidae		Water scorpions
Insecta	Hemiptera	Corixidae		Water Boatman
Insecta	Hemiptera	Pleidae		Pigmy backswimmers
Insecta	Hemiptera	Saldidae		Shore bugs
Insecta	Coleoptera	Buprestidae		Metallic wood-boring beetles
Insecta	Coleoptera	Staphylinidae		Rove beetles
Insecta	Coleoptera	Silphidae		Sexton beetle
Insecta	Coleoptera	Coccinelidae	*Nicrophorus orbicollis*	Asian multicolored lady bug
Insecta	Coleoptera	Coccinelidae	*Harmonia axyridis*	14-spotted lady beetle
Insecta	Coleoptera	Elateridae	*Propylea quatuordecimpuretata*	Click beetles
Insecta	Coleoptera	Histeridae		Hister beetles
Insecta	Coleoptera	Cicinolelidae		6-spotted tiger beetle
Insecta	Coleoptera	Dyticidae	*Cincinadela sexgutata*	Diving beetles
Insecta	Coleoptera	Halipidae		Crawling water beetles
Insecta	Coleoptera	carabidae		Big headed ground beetle
Insecta	Coleoptera	Carabidae		Bombardier beetle
Insecta	Coleoptera	Carabidae		Ground beetle
Insecta	Coleoptera	Carabidae spp. (9)	*Chlaenius* sp.	Ground beetle
Insecta	Coleoptera	Scarabaeidae		Scarab beetle
Insecta	Coleoptera	Scarabaeinae	*Phyllophaga* sp.	True dung beetles
Insecta	Coleoptera	Cantharidae		Soldier beetles
Insecta	Coleoptera	Curculionidae spp. (5)		True weevils
Insecta	Coleoptera	Hydrophilidae spp (2)		Water scavenger beetles
Insecta	Coleoptera	Hydrophilidae		Water scavenger beetles
Insecta	Coleoptera	Chrysomelidae	*Oculatais*	Lily Pad Leaf Beetle
Insecta	Coleoptera	Chrysomelidae spp. 8	*Donacia* sp.	Leaf beetles
Insecta	Dictyoptera/Blattaria	Blattellidae		Wood roaches

Class or Subclass	Order/Suborder	Family/Subfamily	Genius/Species	Common Name
Insecta	Dictopterya/Isoptera			Termites
Insecta	Dictopterya/ Mantoidea			Mantids
Insecta	Orthoptera	Acrididae		Short horned grasshoppers
Insecta	Orthoptera	Tetrigidae		Pygmy grasshoppers
Insecta	Orthoptera	Tettigoniidae		Long horned grasshoppers
Insecta	Orthoptera	Cercopidae		spittle bugs
Insecta	Orthoptera	Gryllidae		Field crickets
Chilopoda	Lithobiomorpha			Stone centipedes
Arachnids				
Arachnida	Araneae spp.(24)			Typical spiders
Arachnida	Araneae	Pisauridae		Fishing spider
Arachnida	Acariformes	Ixodidae	*Dolomedes* sp.	Deer tick
Arachnida	Acariformes	Ixodidae	*Ixodes scapularis*	Wood tick
Arachnida	Acariformes	Hydrachnidia	*Dermacentor variabilis*	Water mites
Arachnida	Acariformes	Tetranychidae		Spider mite
Crustaceans				
Crustacea	Amphipoda	Gammaridae		Scuds
Crustacea	Amphipoda	Talitridae	*Gammarus* sp.	Landhopper
Crustacea	Isopoda	Porcellionidae		Wood louse
Crustacea	Isopoda	Philosciidae	*Porcellio* sp.	Common striped wood louse
Mollusks				
Mollusca	Bivalva/Unionoida	Unionidae	*Philoscia muscorum*	N. Elliptio mussel
Mollusca	Bivalva	Sphaeriidae	*Elliptio complanata*	Fingernail clam
Mollusca	Gastropoda		*Sphaerium* sp.	Snail
Annelid Worms				
Annelida	Oligochaeta			Earthworm
Annelida	Hirudinea			Leech
SOURCES				
2009 Great Swamp NWR Bioblitz				
North American Butterfly Association Surveys, 1994-2009				
Aquatic Invertebrate Survey, D.Cook and E.Hill, 2001				
Moth data, Ken Bliss, 2001-2003				

Table A-3. PLANT SPECIES DOCUMENTED AT GREAT SWAMP NWR

Family	*Scientific Name*	Common Name
Aceraceae	*Acer rubrum*	red maple
Aceraceae	*Acer saccharum*	sugar maple
Aceraceae	*Acer negundo*	boxelder
Aceraceae	*Acer platenoidies*	Norway maple
Aceraceae	*Acer saccharinum*	slilver maple
Acoraceae	*Acorus calamus*	calamus
Alismataceae	*Alisma sp.*	water plantain
Alismataceae	*Alisma subcordatum*	American water plantain
Alismataceae	*Sagittaria sp.*	arrowhead
Alismataceae	*Sagittaria latifolia*	broadleaf arrowhead
Anacardiaceae	*Rhus glabra*	smooth sumac
Anacardiaceae	*Toxicodendron radicans*	eastern poison ivy
Apiaceae	*Cicuta bulbifera*	bulblet-bearing water hemlock
Apiaceae	*Cicuta maculata*	spotted water hemlock
Apiaceae	*Daucus carota*	Queen Anne's lace
Apiaceae	*Sanicula*	sanicle
Apiaceae	*Sium suave*	hemlock waterparsnip
Apocynaceae	*Apocynum androsaemifolium*	spreading dogbane
Apocynaceae	*Apocynum cannabinum*	Indianhemp
Apocynaceae	*Apocynum sp.*	dogbane
Aquifoliaceae	*Ilex opaca*	American holly
Aquifoliaceae	*Ilex verticillata*	common winterberry
Araceae	*Arisaema triphyllum*	Jack-in-the-pulpit
Araceae	*Calla palustris*	wild calla
Araceae	*Peltandra virginica*	green arrow arum
Araceae	*Symplocarpus foetidus*	skunk cabbage
Araliaceae	*Panax quinquefolius*	American ginseng
Araliaceae	Panax trifoliata	dwarf ginseng
Asclepiadaceae	*Asclepias incarnata*	swamp milkweed
Asclepiadaceae	*Asclepias purpurea*	purple milkweed
Asclepiadaceae	*Asclepias syriaca*	common milkweed
Asclepiadaceae	*Asclepias sp.*	milkweed
Asclepiadaceae	*Cynanchum laeve*	honeyvine
Asteraceae	*Achillea millefolium*	common yarrow
Asteraceae	*Ageratina altissima var. altissima*	white snakeroot
Asteraceae	*Ageratina altissima var. altissima*	white snakeroot
Asteraceae	*Ambrosia artemisiifolia*	annual ragweed
Asteraceae	*Aster divaricatus*	white wood aster
Asteraceae	*Arctium minus*	lesser burdock
Asteraceae	*Ambrosia trifida*	great ragweed
Asteraceae	*Artemisia vulgaris*	common wormwood
Asteraceae	*Aster sp.*	aster
Asteraceae	*Bidens cernua*	nodding beggartick
Asteraceae	*Bidens connata*	purplestem beggarticks
Asteraceae	*Bidens discoidea*	small beggarticks

Family	*Scientific Name*	Common Name
Asteraceae	*Bidens frondosa*	devil's beggartick
Asteraceae	*Bidens sp.*	beggartick
Asteraceae	*Bidens tripartita*	threelobe beggarticks
Asteraceae	*Centaurea stoebe ssp. Micranthos*	spotted knapweed
Asteraceae	*Chrysanthemum leucanthemum*	oxeye daisy
Asteraceae	*Cichorium intybus*	blue chicory
Asteraceae	*Cirsium sp.*	thistle
Asteraceae	*Cirsium arvense*	Canada thistle
Asteraceae	*Conyza canadensis*	Canadian horseweed
Asteraceae	*Coreopsis sp.*	tickseed
Asteraceae	*Erechtites hieraciifolia*	American burnweed
Asteraceae	*Erigeron annuus*	daisy fleabane
Asteraceae	*Erigeron philadelphicus*	Philadelphia fleabane
Asteraceae	*Eupatorium dubium*	coastal plain joe-pyeweed
Asteraceae	*Eupatorium fistulosum*	trumpetweed
Asteraceae	*Eupatorium maculatum*	spotted joepyeweed
Asteraceae	*Eupatorium perfoliatum*	common boneset
Asteraceae	*Eupatorium rugosum*	white snakeroot
Asteraceae	*Eurybia divaricata*	white wood aster
Asteraceae	*Euthamia graminifolia*	flat-top goldentop
Asteraceae	*Galinsoga quadriradiata*	shaggy soldier
Asteraceae	*Gnaphalium obtusifolium*	fragrant cudweed
Asteraceae	*Hieracium caespitosum*	meadow hawkweed
Asteraceae	*Hieracium pilosella*	hawkweed
Asteraceae	*Krigia biflora*	two-flower dwarf dandelion
Asteraceae	*Lactuca cf. canadensis*	Canada lettuce
Asteraceae	*Mikania scandens*	climbing hempweed
Asteraceae	*Packera aurea*	golden ragwort
Asteraceae	Packera (Senecio) paupercula	ragwort
Asteraceae	*Solidago caesia*	wreath goldenrod
Asteraceae	*Solidago canadensis*	Canada goldenrod
Asteraceae	*Solidago gigantea*	giant goldenrod
Asteraceae	*Solidago patula*	rough leaf goldenrod
Asteraceae	*Solidago rugosa*	wrinkleleaf goldenrod
Asteraceae	*Solidago sp.*	goldenrod
Asteraceae	*Symphyotrichum divaricatum*	lawn American-aster
Asteraceae	*Symphyotrichum lateriflorum*	calico aster
Asteraceae	*Symphyotrichum puniceum*	purple-stem aster
Asteraceae	*Symphyotrichum racemosum*	small-head aster
Asteraceae	*Taraxacum officinale*	common dandelion
Asteraceae	*Vernonia noveboracensis*	New York ironweed
Balsaminaceae	*Impatiens sp.*	touch-me-not
Balsaminaceae	*Impatiens capensis*	jewelweed
Berberidaceae	*Berberis thunbergii*	Japanese barberry
Berberidaceae	*Podophyllum peltatum*	mayapple
Betulaceae	*Alnus serrulata*	hazel alder
Betulaceae	*Betula alleghaniensis*	yellow birch

Family	*Scientific Name*	Common Name
Betulaceae	*Betula lenta*	sweet birch
Betulaceae	*Betula populifolia*	gray birch
Betulaceae	*Carpinus caroliniana*	American hornbeam
Betulaceae	*Ostrya virginiana*	hophornbeam
Boraginaceae	*Hackelia virginiana*	beggarslice
Boraginaceae	*Myosotis laxa*	small forget-me-not
Brassicaceae	*Alliaria petiolata*	garlic mustard
Brassicaceae	*Barbarea vulgaris*	garden yellowrocket
Brassicaceae	*Capsella bursa-pastoris*	shepherd's purse
Brassicaceae	*Cardamine bulbosa*	bulbous bittercress
Brassicaceae	*Cardamine hirsuta*	hairy bittercress
Brassicaceae	Cardamine impatiens	
Brassicaceae	*Cardamine pensylvanica*	cuckoo flower
Brassicaceae	*Cardamine pratensis*	cuckoo flower
Brassicaceae	*Lepidium campestre*	field pepperweed
Brassicaceae	*Lepidium virginicum*	Virginia pepperweed
Callitrichaceae	*Callitriche sp.*	water starwort
Callitrichaceae	*Callitriche terrestris*	Callitriche
Campanulaceae	*Lobelia cardinalis*	cardinalflower
Caprifoliaceae	*Lonicera japonica*	Japanese honeysuckle
Caprifoliaceae	*Lonicera morrowii*	Marrow's honeysuckle
Caprifoliaceae	*Sambucus canadensis*	common elderberry
Caprifoliaceae	*Viburnum acerifolium*	mapleleaf viburnum
Caprifoliaceae	*Viburnum dentatum*	southern arrowwood
Caprifoliaceae	*Viburnum prunifolium*	blackhaw
Caryophyllaceae	*Arenaria serpyllifolia*	thymeleaf sandwort
Caryophyllaceae	*Cerastium fontanum ssp. vulgare*	big chickweed
Caryophyllaceae	*Cerastium vulgatum*	mouse-ear chickweed
Caryophyllaceae	*Stellaria graminea*	grass-like starwort
Celastraceae	*Celastrus orbiculatus*	oriental bittersweet
Celastraceae	*Celastrus scandens*	American bittersweet
Celastraceae	*Euonymus alatus*	winged burning bush
Celastraceae	*Euonymus americana*	American strawberry-bush
Ceratophyllaceae	*Ceratophyllum demersum*	coon's tail
Clethraceae	*Clethra alnifolia*	coastal sweet pepperbush
Chenopodiaceae	*Chenopodium album*	goosefoot
Clusiaceae	*Hypericum ascyron*	great St. Johnswort
Clusiaceae	*Hypericum boreale*	northern St. Johnswort
Clusiaceae	*Hypericum sp.*	St. Johnswort
Clusiaceae	*Triadenum virginicum*	Virginia marsh St. Johnswort
Convallariaceae	Uvularia sessilifolia	wild oats
Convolvulaceae	*Convolvulus arvensis*	field bindweed
Convolvulaceae	*Calystegia sepium*	hedge false bindweed
Cornaceae	*Cornus amomum*	silky dogwood
Cornaceae	*Cornus florida*	flowering dogwood
Cornaceae	*Cornus racemosa*	gray dogwood
Cornaceae	*Cornus sericea*	red-osier dogwood

Family	*Scientific Name*	Common Name
Cornaceae	*Cornus sp.*	dogwood
Crassulaceae	*Hylotelephium telephium*	witch's moneybags
Crassulaceae	*Penthorum sedoides*	ditch stonecrop
Cupressaceae	*Juniperus virginiana*	eastern redcedar
Cuscutaceae	*Cuscuta gronovii*	scaldweed
Cuscutaceae	*Cuscuta sp.*	dodders
Cyperaceae	*Carex sp.*	sedge
Cyperaceae	*Carex abscondita*	concealed sedge
Cyperaceae	*Carex albicans var. emmonsii*	Emmon's sedge
Cyperaceae	*Carex amphibola*	eastern narrow leaf sedge
Cyperaceae	*Carex aquatilis*	water sedge
Cyperaceae	*Carex atlantica*	prickly bog sedge
Cyperaceae	*Carex blanda*	Eastern woodland sedge
Cyperaceae	*Carex brunescens*	brown sedge
Cyperaceae	*Carex canescens*	silvery sedge
Cyperaceae	*Carex comosa*	longhair sedge
Cyperaceae	Carex communis	sedge
Cyperaceae	*Carex complanata*	flattened sedge
Cyperaceae	*Carex crinita*	fringed sedge
Cyperaceae	*Carex debilis*	white-edge sedge
Cyperaceae	*Carex exilis*	meager sedge
Cyperaceae	*Carex folliculata*	northern long sedge
Cyperaceae	*Carex gravida*	heavy-fruited sedge
Cyperaceae	*Carex grayi*	Gray's sedge
Cyperaceae	*Carex grisea*	inflated narrow-leaf sedge
Cyperaceae	*Carex intumescens*	greater bladder sedge
Cyperaceae	*Carex lacustris*	hairy sedge
Cyperaceae	*Carex laxiculmis*	spreading sedge
Cyperaceae	*Carex laxiflora*	broad looseflower sedge
Cyperaceae	*Carex lupulina*	hop sedge
Cyperaceae	*Carex lurida*	shallow sedge
Cyperaceae	*Carex obtusata*	blunt sedge
Cyperaceae	*Carex pensylvanica*	Pennsylvania sedge
Cyperaceae	*Carex radiata*	Eastern star sedge
Cyperaceae	*Carex scoparia*	broom sedge
Cyperaceae	*Carex squarrosa*	squarrose sedge
Cyperaceae	*Carex stipata Muhl. ex Willd.*	awlfruit sedge
Cyperaceae	*Carex straminea*	straw sedge
Cyperaceae	*Carex stricta*	upright sedge
Cyperaceae	*Carex swanii*	Swan's sedge
Cyperaceae	*Carex tribuloides*	blunt broom sedge
Cyperaceae	*Carex versicaria*	inlfated sedge
Cyperaceae	*Carex vulpinoidea var. vulpinoidea*	fox sedge
Cyperaceae	*Cyperus esculentus*	yellow nutsedge
Cyperaceae	*Cyperus sp.*	flatsedge
Cyperaceae	*Cyperus strigosus*	strawcolored flatsedge
Cyperaceae	*Dulichium arundinaceum*	threeway sedge

Family	*Scientific Name*	Common Name
Cyperaceae	*Eleocharis sp.*	spikerush
Cyperaceae	Eleocharis erythropoda	
Cyperaceae	*Eleocharis ovata*	ovate spikerush
Cyperaceae	*Eleocharis palustris*	marsh spikerush
Cyperaceae	*Eleocharis sp.*	spikerush
Cyperaceae	*Eleocharis tenuis var. pseudoptera*	slender spikerush
Cyperaceae	*Eleocharis tenuis var. tenuis*	slender spikerush
Cyperaceae	*Scirpus atrovirens*	black bulrush
Cyperaceae	*Scirpus cyperinus*	woolgrass
Cyperaceae	*Scirpus sp.*	bulrush
Cyperaceae	*Schoenoplectus fluviatilis*	river bulrush
Dennstaedtiaceae	*Dennstaedtia punctilobula*	eastern hayscented fern
Dicranaceae	*Dicranum sp.*	broom moss
Dioscoreaceae	*Dioscorea quaternata*	fourleaf yam
Dioscoreaceae	*Dioscorea villosa*	yellow yarn
Dipsacaceae	Dipsacus fullonum	teasel
Dryopteridaceae	*Athyrium filix-femina*	lady fern
Dryopteridaceae	*Dryopteris carthusiana*	spinulose shieldfern
Dryopteridaceae	*Dryopteris cristata*	crested woodfern
Dryopteridaceae	*Dryopteris marginalis*	marginal woodfern
Dryopteridaceae	*Onoclea sensibilis*	sensitive fern
Dryopteridaceae	*Polystichum acrostichoides*	Christmas fern
Elaeagnaceae	*Elaeagnus umbellata*	autumn olive
Elaeagnaceae	*Eleagnus angustifolia*	Russian-olive
Equisetaceae	*Equisetum sp.*	horsetail
Equisetaceae	*Equisetum arvense*	field horsetail
Ericaceae	*Gaylussacia baccata*	black huckleberry
Ericaceae	*Gaylussacia frondosa*	dangleberry
Ericaceae	*Gaylussacia sp.*	huckleberry
Ericaceae	*Kalmia angustifolia*	sheep laurel
Ericaceae	*Kalmia latifolia*	mountain laurel
Ericaceae	*Lyonia ligustrina*	maleberry
Ericaceae	*Rhododendron periclymenoides*	pink azalea
Ericaceae	*Rhododendron sp.*	rhododendron
Ericaceae	*Rhododendron viscosum*	swamp azalea
Ericaceae	Vaccinium angustifolium	Low-bush blueberry
Ericaceae	*Vaccinium corymbosum*	highbush blueberry
Ericaceae	*Vaccinium pallidum*	hillside blueberry
Ericaceae	*Vaccinium sp.*	blueberry
Ericaceae	*Vaccinium stamineum*	deerberry
Euphorbiaceae	*Acalypha rhomboidea*	Three-seeded mercury
Fabaceae	*Amphicarpaea bracteata*	American hog peanut
Fabaceae	*Apios americana*	groundnut
Fabaceae	*Gymnocladus dioicus*	Kentucky coffeetree
Fabaceae	*Lotus corniculatus*	bird's-foot trefoil
Fabaceae	*Medicago lupulina*	black medick
Fabaceae	*Melilotus alba*	yellow sweetclover

Family	*Scientific Name*	Common Name
Fabaceae	*Robinia pseudoacacia*	black locust
Fabaceae	*Securigera varia*	crownvetch
Fabacae	*Trifolium campestre*	low hop-clover
Fabacae	*Trifolium pratense*	red clover
Fabaceae	*Trifolium repens*	white clover
Fabaceae	*Vicia cracca*	Canada pea
Fabaceae	*Vicia tetrasperma*	lentil vetch
Fagaceae	*Fagus grandifolia*	American beech
Fagaceae	*Quercus alba*	white oak
Fagaceae	*Quercus bicolor*	swamp white oak
Fagaceae	*Quercus coccinea*	scarlet oak
Fagaceae	*Quercus palustris*	pin oak
Fagaceae	*Quercus prinus*	chestnut oak
Fagaceae	*Quercus rubra*	northern red oak
Fagaceae	*Quercus velutina*	black oak
Gentianaceae	*Bartonia virginica*	yellow screwstem
Geraniaceae	*Geranium maculatum*	spotted geranium
Haloragaceae	*Myriophyllum spicatum*	Eurasian water milfoil
Haloragaceae	*Proserpinaca palustris*	marsh mermaidweed
Hamamelidaceae	*Hamamelis virginiana*	American witchhazel
Hamamelidaceae	*Liquidambar styraciflua*	sweetgum
Hydrocharitaceae	*Vallisneria americana*	Eel-grass
Iridaceae	*Iris sp.*	iris
Iridaceae	*Iris pseudacorus*	paleyellow iris
Iridaceae	*Iris versicolor*	harlequin blueflag
Iridaceae	*Sisyrinchium angustifolium*	pointed blue eyed grass
Iridaceae	Sisyrinchium montanum	Blue-eyed grass
Isoetaceae	*Isoetes sp.*	quillwort
Juglandaceae	Carya alba	mockernut
Juglandaceae	*Carya sp.*	hickory
Juglandaceae	*Carya cordiformis*	bitternut hickory
Juglandaceae	*Carya glabra*	pignut hickory
Juglandaceae	*Carya ovalis*	red hickory
Juglandaceae	*Carya ovata*	shagbark hickory
Juglandaceae	*Juglans cinerea*	butternut
Juglandaceae	*Juglans nigra*	black walnut
Juncaceae	*Juncus sp.*	rush
Juncaceae	*Juncus acuminatus*	sharp fruit rush
Juncaceae	*Juncus effusus*	soft rush
Juncaceae	*Juncus militaris*	bayonet rush
Juncaceae	*Juncus tenuis*	poverty rush
Juncaceae	Luzula multiflora	path rush
Lamiaceae	*Glechoma hederacea*	ground ivy
Lamiaceae	*Lycopus americanus*	water-horehound
Lamiaceae	*Lycopus sp.*	water-horehound
Lamiaceae	*Lycopus uniflorus*	northern bugleweed
Lamiaceae	*Lycopus virginicus*	Virginia water-horehound

Family	*Scientific Name*	Common Name
Lamiaceae	*Mentha sp.*	mint
Lamiaceae	*Mentha arvensis*	field mint
Lamiaceae	*Physostegia virginiana*	false dragon-head
Lamiaceae	*Prunella vulgaris*	common selfheal
Lamiaceae	*Pycnanthemum Michx.*	mountainmint
Lamiaceae	*Pycnanthemum tenuifolium*	narrowleaf mountainmint
Lamiaceae	*Pycnanthemum virginianum*	mountain-mint
Lamiaceae	*Scutellaria lateriflora*	blue skullcap
Lamiaceae	*Stachys tenuifolia*	smooth hedgenettle
Lauraceae	*Lindera benzoin*	northern spicebush
Lauraceae	*Sassafras albidum*	sassafras
Lemnaceae	*Lemna sp.*	duckweed
Lemnaceae	*Lemna minor*	lesser duckweed
Lemnaceae	*Spirodela polyrhiza*	common duckmeat
Lemnaceae	*Wolffia sp.*	watermeal
Lemnaceae	*Wolffia columbiana*	Columbian watermeal
Lemnaceae	Wolfiella brasiliensis	pond scum
Lentibulariaceae	*Utricularia macrorhiza*	common bladderwort
Lentibulariaceae	*Utricularia vulgaris*	greater bladderwort
Leucobryaceae	*Leucobryum sp.*	moss
Liliaceae	*Allium vineale*	wild garlic
Liliaceae	Erythronium americanum	dogtooth violet
Liliaceae	*Maianthemum canadense*	Canada mayflower
Liliaceae	*Medeola virginiana*	Indian cucumber
Liliaceae	*Uvularia sessilifolia*	sessile leaf bellwort
Lycopodiaceae	*Lycopodium digitatum*	fan clubmoss
Lycopodiaceae	*Lycopodium obscurum*	princess pine
Lythraceae	*Decodon verticillatus*	hairy swamp loosestrife
Lythraceae	*Lythrum salicaria*	purple loosestrife
Magnoliaceae	*Liriodendron tulipifera*	tuliptree
Malvaceae	*Hibiscus moscheutos ssp. moscheutos*	crimsoneyed rosemallow
Monotropaceae	*Monotropa uniflora*	indian pipe
Moraceae	*Morus alba*	white mulberry
Myricaceae	Comptonia peregrina	sweet-fern
Myricaceae	*Morella pensylvanica*	northern bayberry
Nymphaeaceae	*Nuphar lutea ssp. advena*	broad-leaf pond-lily
Nyssaceae	*Nyssa sylvatica*	blackgum
Nyssaceae	*Nyssa aquatica*	tupelo
Oleaceae	*Fraxinus sp.*	ash
Oleaceae	*Fraxinus americana*	white ash
Oleaceae	*Fraxinus nigra*	black ash
Oleaceae	*Fraxinus pennsylvanica*	green ash
Onagraceae	*Circaea quadrisulcata*	enchanter's nightshade
Onagraceae	*Epilobium ciliatum ssp. glandulosum*	fringed willowherb
Onagraceae	*Epilobium coloratum*	purpleleaf willowherb
Onagraceae	*Epilobium leptophyllum*	narrowleaf willowherb
Onagraceae	*Ludwigia palustris*	marsh seedbox

Family	*Scientific Name*	Common Name
Onagraceae	*Oenothera biennis*	common evening primrose
Orobanchaceae	*Epifagus virginiana*	beechdrops
Osmundaceae	*Osmunda cinnamomea*	cinnamon fern
Osmundaceae	*Osmunda regalis*	royal fern
Oxalidaceae	*Oxalis europea*	wood sorrel
Oxalidaceae	*Oxalis stricta*	upright yellow wood sorrel
Plantaginaceae	*Plantago lanceolata*	narrowleaf plantain
Plantaginaceae	*Plantago major*	common plantain
Poaceae	*Agrostis sp.*	bentgrass
Poaceae	*Agrostis capillaris*	common bentgrass or browntop
Poaceae	*Agrostis gigantea*	redtop
Poaceae	*Agrostis hymenalis*	winter bentgrass
Poaceae	*Agrostis perennans*	upland bentgrass
Poaceae	*Agrostis stolonifera*	creeping bentgrass
Poaceae	*Andropogon glomeratus*	bushy bluestem
Poaceae	*Andropogon virginicus*	common broom-sedge
Poaceae	*Andropogon virginicus var. abbreviatus*	common broom-sedge
Poaceae	*Anthoxanthum odoratum*	sweet vernalgrass
Poaceae	*Arthraxon hispidus*	carpgrass
Poaceae	*Brachyelytrum septentrionale*	northern shorthusk
Poaceae	*Calamagrostis canadensis*	blue-joint reedgrass
Poaceae	*Cinna arundinacea*	sweet woodreed
Poaceae	*Cinna latifolia*	drooping woodreed
Poaceae	*Dactylis glomerata*	orchard grass
Poaceae	*Danthonia spicata*	poverty oat grass
Poaceae	*Dichanthelium acuminatum*	tapered rosette grass
Poaceae	*Dichanthelium clandestinum*	deertongue
Poaceae	*Dichanthelium leucothrix*	roughish witchgrass
Poaceae	*Digitaria sp.*	crabgrass
Poaceae	*Echinochloa crus-gallii*	barnyard grass
Poaceae	*Echinochloa muricata*	rough barnyard grass
Poaceae	*Echinochloa walteri*	long-awn cock's-spur grass
Poaceae	Elymus hystrix	bottlebrush grass
Poaceae	*Elymus villosus*	hairy wildrye
Poaceae	*Elymus virginicus*	Virginia wild rye
Poaceae	*Elytrigia repens*	quackgrass
Poaceae	*Eragrostis spectabilis*	purple lovegrass
Poaceae	*Festuca filiformis*	fine-leaf sheep fescue
Poaceae	*Festuca pratensis*	meadow fescue
Poaceae	*Glyceria sp.*	mannagrass
Poaceae	*Glyceria canadensis*	rattlesnake mannagrass
Poaceae	*Glyceria striata*	fowl mannagrass
Poaceae	*Holcus lanatus*	velvetgrass
Poaceae	*Hordeum vulgare*	common barley
Poaceae	*Leersia oryzoides*	rice cutgrass
Poaceae	*Leersia sp.*	cutgrass

Family	*Scientific Name*	Common Name
Poaceae	*Leersia virginica*	whitegrass
Poaceae	*Lolium perenne*	perennial ryegrass
Poaceae	*Microstegium vimineum*	Japanese stiltgrass
Poaceae	*Panicum sp.*	panicgrass
Poaceae	*Panicum virgatum*	switchgrass
Poaceae	*Phalaris arundinacea*	reed canarygrass
Poaceae	*Phleum pratense*	timothy
Poaceae	*Phragmites australis*	common reed
Poaceae	*Poa nemoralis*	wood bluegrass
Poaceae	*Poa palustris*	fowl bluegrass
Poaceae	*Poa pratensis*	Kentucky bluegrass
Poaceae	*Schedonorus pratensis*	meadow fescue
Poaceae	*Schizachyrium scoparium*	little bluestem
Poaceae	*Sorghastrum nutans*	Indiangrass
Poaceae	*Tridens flavus*	purpletop tridens
Polygonaceae	*Polygonum amphibium*	water smartweed
Polygonaceae	*Polygonum arifolium*	halberdleaf tearthumb
Polygonaceae	*Polygonum caespitosum*	Oriental lady's thumb
Polygonaceae	*Polygonum hydropiper*	marshpepper knotweed
Polygonaceae	*Polygonum hydropiperoides*	swamp smartweed
Polygonaceae	*Polygonum lapathifolium*	curlytop knotweed
Polygonaceae	*Polygonum pensylvanicum*	Pennsylvania smartweed
Polygonaceae	*Polygonum persicaria*	spotted ladysthumb
Polygonaceae	*Polygonum punctatum*	dotted smartweed
Polygonaceae	*Polygonum robustius*	stout smartweed
Polygonaceae	*Polygonum sagittatum*	arrowleaf tearthumb
Polygonaceae	*Polygonum scandens*	climbing false buckwheat
Polygonaceae	*Polygonum sp.*	smartweed
Polygonaceae	*Polygonum virginianum*	jumpseed
Polygonaceae	*Rumex acetosella*	common sheep sorrel
Polygonaceae	*Rumex crispus*	curly dock
Polytrichaceae	*Polytrichum commune*	haircap moss
Pontederiaceae	*Heteranthera reniformis*	kidneyleaf mud-plantain
Pontederiaceae	*Pontederia cordata*	pickerelweed
Portulacaceae	*Claytonia virginica*	Virginia springbeauty
Potamogetonaceae	*Potamogeton pusillus*	lesser pondweed
Primulaceae	*Anagallis arvensis*	scarlet pimpernel
Primulaceae	*Hottonia inflata*	American featherfoil
Primulaceae	*Lysimachia ciliata*	fringed loosestrife
Primulaceae	*Lysimachia nummularia*	creeping jenny
Primulaceae	*Lysimachia terristris*	swamp candles
Primulaceae	*Trientalis borealis*	starflower
Pyrolaceae	*Chimaphila maculata*	striped prince's pine
Pyrolaceae	*Pyrola sp.*	wintergreen
Pyrolaceae	*Pyrola rotundifolia*	roundleaf wintergreen
Ranunculaceae	*Anemone quinquefolia*	wood anenome
Ranunculaceae	*Clematis virginiana*	devil's darning needles

Family	*Scientific Name*	Common Name
Ranunculaceae	*Enemion biternatum*	false rue anenome
Ranunculaceae	*Ranunculus abortivus*	kidneyleaf buttercup
Ranunculaceae	*Ranunculus acris*	tall buttercup
Ranunculaceae	Ranunculus alleghaniensis	
Ranunculaceae	*Ranunculus pusillus*	low spearwort
Ranunculaceae	Ranunculus recurvatus	hooked buttercup
Ranunculaceae	*Ranunculus repens*	creeping buttercup
Ranunculaceae	*Ranunculus sp.*	buttercup
Ranunculaceae	Thalictrum dioicum	
Ranunculaceae	*Thalictrum pubescens*	king of the meadow
Ranunculaceae	*Thalictrum sp.*	meadowrue
Rhamnaceae	*Frangula alnus*	glossy buckthorn
Rhamnaceae	*Rhamnus cahtartica*	buckthorn
Rosaceae	*Agrimonia parviflora*	Many-flowered agrimony
Rosaceae	*Amelanchier arborea*	common serviceberry
Rosaceae	*Amelanchier canadensis*	Canada serviceberry
Rosaceae	*Amelanchier sp.*	serviceberry
Rosaceae	Aronia melanocarpa	
Rosaceae	*Crataegus sp.*	hawthorn
Rosaceae	*Fragaria virginiana*	Virginia strawberry
Rosaceae	*Geum canadense*	Canada avens
Rosaceae	*Geum laciniatum*	rough avens
Rosaceae	Malus communis	apple
Rosaceae	*Malus sp.*	apple
Rosaceae	*Photinia pyrifolia*	red chokeberry
Rosaceae	*Potentilla arguta*	tall cinquefoil
Rosaceae	*Potentilla canadensis*	dwarf cinquefoil
Rosaceae	*Potentilla simplex*	old-field cinquefoil
Rosaceae	*Potentilla sp.*	cinquefoil
Rosaceae	*Potentilla sterilis*	barren strawberry
Rosaceae	*Prunus serotina*	black cherry
Rosaceae	*Rosa multiflora*	multiflora rose
Rosaceae	*Rosa nitida*	shining rose
Rosaceae	*Rosa palustris*	swamp rose
Rosaceae	*Rosa sp.*	rose
Rosaceae	*Rosa virginiana*	Virginia rose
Rosaceae	*Rubus allegheniensis*	Allegheny blackberry
Rosaceae	*Rubus hispidus*	bristly dewberry
Rosaceae	*Rubus occidentalis*	black raspberry
Rosaceae	*Rubus pensilvanicus*	Pennsylvania blackberry
Rosaceae	*Rubus phoenicolasius*	wine raspberry
Rosaceae	*Rubus sp.*	blackberry
Rosaceae	Sanguisorba canadensis	burnet
Rosaceae	*Spiraea alba var. latifolia*	white meadowsweet
Rosaceae	*Spiraea tomentosa*	steeplebush
Rubiaceae	*Cephalanthus occidentalis*	common buttonbush
Rubiaceae	*Cruciata pedemontana*	Piedmont bedstraw

Family	*Scientific Name*	Common Name
Rubiaceae	*Galium aparine*	stickywilly
Rubiaceae	*Galium asprellum*	rough bedstraw
Rubiaceae	*Galium cf trifidum*	three petal bedstraw
Rubiaceae	*Galium mollugo*	great hedge bedstraw
Rubiaceae	*Galium obtusum*	bluntleaf bedstraw
Rubiaceae	*Galium palustre*	common marsh bedstraw
Rubiaceae	*Galium sp.*	bedstraw
Rubiaceae	*Galium uniflorum*	one flower bedstraw
Rubiaceae	*Mitchella repens*	partridgeberry
Salicaceae	Populus balsamifera	balsam poplar
Salicaceae	*Populus deltoides*	Eastern cottonwood
Salicaceae	*Populus grandidentata*	bigtooth aspen
Salicaceae	*Populus tremuloides*	quaking aspen
Salicaceae	*Salix sp.*	willow
Salicaceae	*Salix atrocinerea*	large gray willow
Salicaceae	*Salix eriocephala*	Missouri River willow
Salicaceae	*Salix fragilis*	crack willow
Salicaceae	*Salix nigra*	black willow
Salicaceae	*Salix petiolaris*	meadow willow
Salicaceae	*Salix sericea*	silky willow
Saururaceae	*Saururus cernuus*	lizard's tail
Scrophulariaceae	*Agalinis tenuifolia var. tenuifolia*	slenderleaf false foxglove
Scrophulariaceae	*Lindernia dubia*	yellowseed false pimpernel
Scrophulariaceae	*Mimulus alatus*	sharp-wing monkey flower
Scrophulariaceae	*Mimulus ringens*	Allegheny monkeyflower
Scrophulariaceae	*Penstemon digitalis*	talus slope penstemon
Scrophulariaceae	*Verbascum thapsus*	common mullein
Scrophulariaceae	*Veronica arvensis*	corn speedwell
Scrophulariaceae	*Veronica peregrina*	neckweed
Scrophulariaceae	*Veronica persica*	bird's eye speedwell
Simaroubaceae	*Ailanthus altissima*	tree of heaven
Smilacaceae	*Smilax glauca*	cat greenbrier
Smilacaceae	*Smilax herbacea*	smooth carrion flower
Smilacaceae	*Smilax rotundifolia*	roundleaf greenbrier
Solanaceae	*Physalis heterophylla*	clammy ground-cherry
Solanaceae	*Solanum carolinense*	horse-nettle
Solanaceae	*Solanum dulcamera*	climbing nightshade
Solanaceae	*Solanum nigrum*	black nightshade
Sparganiaceae	*Sparganium sp.*	bur-reed
Sparganiaceae	*Sparganium americanum*	American bur-reed
Sparganiaceae	*Sparganium androcladum*	branched bur-reed
Sparganiaceae	*Sparganium angustifolium*	greenfruit bur-reed
Sparganiaceae	*Sparganium eurycarpum*	broadfruit bur-reed
Sphagnaceae	*Sphagnum sp.*	sphagnum
Thelypteridaceae	*Thelypteris noveboracensis*	New York fern
Thelypteridaceae	*Thelypteris palustris*	eastern marsh fern
Tiliaceae	Tilia americana	linden

Family	*Scientific Name*	Common Name
Typhaceae	*Typha angustifolia*	narrowleaf cattail
Typhaceae	*Typha latifolia*	broadleaf cattail
Ulmaceae	*Ulmus americana*	American elm
Ulmaceae	*Ulmus rubra*	slippery elm
Urticaceae	*Boehmeria cylindrica*	smallspike false nettle
Urticaceae	*Laportea canadensis*	Canadian woodnettle
Urticaceae	*Pilea pumila*	Canadian clearweed
Verbenaceae	*Verbena hastata*	swamp verbena
Verbenaceae	*Verbena urticifolia*	white vervain
Violaceae	*Viola cucullata*	marsh blue violet
Violaceae	*Viola lanceolata*	bog white violet
Violaceae	*Viola sororia*	common blue violet
Violaceae	*Viola sp.*	violet
Vitaceae	*Parthenocissus quinquefolia*	Virginia creeper
Vitaceae	Vinca minor	vinca
Vitaceae	Vitis aestivalis	spring grape
Vitaceae	*Vitis labrusca*	fox grape
Vitaceae	*Vitis sp.*	grape
Bryophyta (Mosses)		
Amblystegiaceae	*Amblystegium riparium*	
Anomodontaceae	*Anomodon attenuatus*	tree skirt
Aulacomniaceae	*Aulacomnium palustre*	club moss
Bryaceae	*Leptobryum pyriforme*	
Climaciaceae	*Climacium americanum*	tree moss
Dicranaceae	*Dicranum scoparium*	eyelash moss
Entodontaceae	*Entodon cladorrhizans*	
Hypnaceae	*Homomallium adnatum*	
Hypnaceae	*Hypnum curvifolium*	
Hypnaceae	*Hypnum imponens*	
Leucobryaceae	*Leucbyrum glaucum*	white moss
Leucobryaceae	*Leucobryum albidum*	cushion moss
Mniaceae	*Plagiomnium cuspidatum*	
Orthotrichaceae	*Orthotrichum ohioense*	
Plagiotheciaceae	*Plagiothecium laetum*	
Polytrichaceae	*Atrichum altecristatum*	
Polytrichaceae	*Polytrichum ohioense*	Hairy-cap moss
Sphagnaceae	*Sphagnum cuspidatum*	peat moss
Sphagnaceae	*Sphagnum fimbriatum*	peat moss
Sphagnaceae	*Sphagnum inundatum*	peat moss
Sphagnaceae	*Sphagnum palustre*	peat moss
Sphagnaceae	*Sphagnum squarrosum*	pear moss
Sphagnaceae	*Sphagnum subsecundum*	peat moss
Thuidiaceae	*Thuidium delicatulum*	fern moss
Lycopodiophyta (Clubmosses)		
Lycopodiaceae	*Lycopodium clavatum*	club-moss
Lycopodiaceae	*Lycopodium dendroideum*	ground-pine
Lycopodiaceae	*Lycopodium digitatum*	running cedar

Table A-4. FUNGI SPECIES DOCUMENTED AT GREAT SWAMP NWR

Family	Genus and Species
Amanitaceae	*Amanita brunnescens*
Amanitaceae	*Amanita citrina*
Amanitaceae	*Amanita flavoconia*
Amanitaceae	*Amanita gallica*
Amanitaceae	*Amanita rubescens*
Amanitaceae	*Amanita vaginata*
Atheliaceae	*Plicaturopsis crispa*
Bankeraceae	*Sarcodon atriviridis*
Bankeraceae	*Hydnellum scrobiculatum*
Bolbitiaceae	*Agrocybe erebia*
Bolbitiaceae	*Agrocybe pediades*
Bolbitiaceae	*Agrocybe praecox*
Bolbitiaceae	*Concybe lactea*
Boletaceae	*Boletus bicolor*
Boletaceae	*Boletus frostii*
Boletaceae	*Boletus hortonii*
Boletaceae	*Boletus pallidus*
Boletaceae	*Boletus spacidiceus*
Boletaceae	*Tylopilus alboater*
Boletaceae	*Tyoplius felleus*
Cephaloziaceae	*Odontoschisma denudatum*
Ceratiomyxaceae	*Ceratiomyxa fruticulosa*
Ceratiomyxaceae	*Fuligo septica*
Ceratiomyxaceae	*Lycogala epidendrum*
Chanthatellaceae	*Cantharellus cinnabarinus*
Chanthatellaceae	*Cantharellus minor*
Clavariaceae	*Clavulinopsis fusiformis*
Clavariaceae	*Ramariopsis kunzei*
Coprinaceae	*Psathyrella candolleana*
Coprinaceae	*Psathyrella conissans*
Coprinaceae	*Psathyrella velutina*
Cortinariaceae	*Inocybe geophylla*
Cortinariaceae	*Phaeomarasmius erinoceellus*
Cortinariaceae	*Rozites caperata*
Deuteromycete	*Chromelosporium carneum*
Entolomataceae	*Entoloma stricticus*
Entolomataceae	*Leptonia caesiocincta*
Entolomataceae	*Nolanea murraii*
Entolomataceae	*Nolanea verna*
Fomitopsidaceae	*Daedalea quercina*
Fomitopsidaceae	*Fomitopsis spraguei*
Fomitopsidaceae	*Piptoporus betulinus*
Ganodermataceae	*Ganoderma applanatum*
Geocalycaceae	*Chiloscyphus profundus*

Family	Genus and Species
Gloeophyllaceae	*Gloeophyllum sepiarium*
Gyroporaceae	*Gyroporus castaneus*
Hapalopilaceae	*Hapalopilus nidulans*
Hapalopilaceae	*Ischnoderma resinosum*
Helotiaceae	*Bisporella citrina*
Hymenochaetaceae	*Hydrochaete olivaceum*
Hymenochaetaceae	*Ionotus hispidus*
Hymenochaetaceae	*Phellinus everhartii*
Hymenochaetaceae	*Phellinus gilvus*
Hymenochaetaceae	*Phellinus sp*
Jubulaceae	*Frullania eboracensis*
Leotiaceae	*Leotia lubrica*
Lycoperdaceae	*Calvatia cyanthiformis*
Lycoperdaceae	*Lycoperdon perlatum*
Marasimus	*Marasmius pyrrhocephalus*
Marasmiaceae	*Armillaria gallica*
Marasmiaceae	*Armillaria mellea*
Marasmiaceae	*Armillaria tabescens*
Meripilaceae	*Grifola frondosa*
Meruliaceae	*Phlebia radiata*
Nectriaceae	*Leucogloea compressa*
Nidulariaceae	*Cyathus stercoreus*
Pezizaceae	*Peziza badioconfusa*
Phallaceae	*Mutinus elegans*
Pleurotaceae	*Hohenbuehelia mastrucata*
Pleurotaceae	*Hypsizygus tessulatus*
Pleurotaceae	*Pleurotus ostreatus*
Pluteaceae	*Pluteus cervinus*
Polyporaceae	*Daedaliopsis confragosa*
Polyporaceae	*Laetiporus sulfureus*
Polyporaceae	*Lenzites betulinus*
Polyporaceae	*Lenzites betulinus*
Polyporaceae	*Oligoporus caesius*
Polyporaceae	*Polyporus alveolaris*
Polyporaceae	*Polyporus craterellus*
Polyporaceae	*Polyporus elegans*
Polyporaceae	*Trametes conchifer*
Polyporaceae	*Trametes mesenterica*
Polyporaceae	*Trametes versicolor*
Polyporaceae	*Trichaptum biforme*
Polyporaceae	*Trichaptum biforme*
Polyporaceae	*Tyromyces chioneus*
Pyronemataceae	*Scutellina scutellata*
Reticulariaceae	*Lycogala epidendrum*
Russulaceae	*Lactarius aquifluus*
Russulaceae	*Lactarius chrysorheus*
Russulaceae	*Lactarius gerardi*

Family	Genus and Species
Russulaceae	*Lactarius subvellerus*
Russulaceae	*Russula compacta*
Russulaceae	*Russula nigricans*
Russulaceae	*Russula ochroleucoides*
Russulaceae	*Russula virescens*
Schizoporaceae	*Oxyporus populinus*
Sclerodermataceae	*Scleroderma areolatum*
Stemonitidaceae	*Stemonitis sp.*
Stereaceae	*Stereum striatum*
Stereaceae	*Stereum complicatum*
Stereaceae	*Stereum ostrea*
Stereaceae	*Xylobolus frustulatus*
Strophariaceae	*Hypholoma sublateritium*
Tremellaceae	*Tremella mesenterica*
Tricholomataceae	*Gymnopus biformis*
Tricholomataceae	*Gymnopus castaneus*
Tricholomataceae	*Gymnopus dryophilus*
Tricholomataceae	*Gymnopus iocephalus*
Tricholomataceae	*Gymnopus subnudus*
Tricholomataceae	*Hygrophorus borealis*
Tricholomataceae	*Hygrophorus conicus*
Tricholomataceae	*Hygrophorus miniatus*
Tricholomataceae	*Hygrophorus parvulus cf.*
Tricholomataceae	*Laccaria amethystea*
Tricholomataceae	*Mycena epipterygia*
Tricholomataceae	*Mycena pura*
Tricholomataceae	*Trichloloma resplendens*
Tricholomataceae	*Trichloloma sejunctum*
Tricholomataceae	*Trichloloma subluteum*
Tricholomataceae	*Panellus stipticus*
Lichens	
Parmeliaceae	*Parmotrema hypotropum*
Parmaliaceae	*Flavoparmelia caperata*
Parmaliaceae	*Parmelia sulcata*
Parmeliaceae	*Punctelia rudecta*
Physciaceae	*Physia millegrana*
Cladoniaceae	*Cladonia cristatella*
SOURCE:	
Dorothy Smellen	
2009 Great Swamp NWR BioBlitz	