

# Flora and Fauna of McAlhany Nature Preserve



## **SPECIES LIST**

**Mammals**  
**Birds**  
**Amphibians**  
**and Reptiles**  
**Fish**  
**Mollusks**  
**Insects**  
**Plants**

Photo by Cathy Miller

April 10, 2014

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A botanical and wildlife inventory of McAlhany Nature Preserve has been conducted by the Charleston Natural History Society and its partners dating from 1987 to present. If you observe a species located within the boundaries of the preserve not listed here, please send the date, location (identify the grid on map of Page 2), and a picture of the species sighting if available, to:

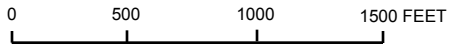
[mcalhanypreserve@gmail.com](mailto:mcalhanypreserve@gmail.com)

or

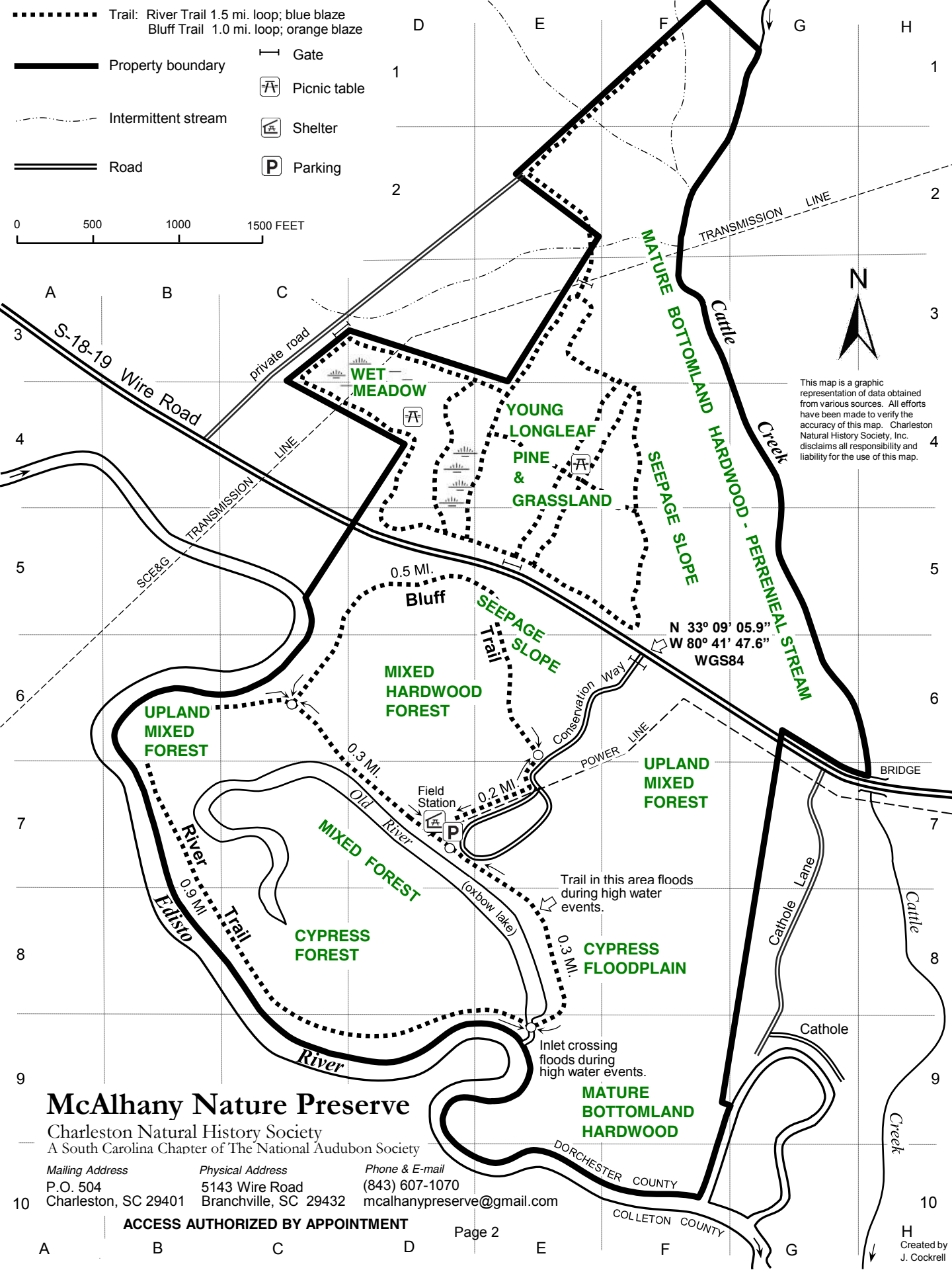
Charleston Natural History Society - MNP  
P.O. Box 504  
Charleston, SC 29402

Compiled by Joe Cockrell

- Trail: River Trail 1.5 mi. loop; blue blaze
- Bluff Trail 1.0 mi. loop; orange blaze
- Property boundary
- Gate
- Picnic table
- Intermittent stream
- Shelter
- Road
- Parking



This map is a graphic representation of data obtained from various sources. All efforts have been made to verify the accuracy of this map. Charleston Natural History Society, Inc. disclaims all responsibility and liability for the use of this map.



N 33° 09' 05.9"  
W 80° 41' 47.6"  
WGS84

# McAlhany Nature Preserve

Charleston Natural History Society  
A South Carolina Chapter of The National Audubon Society

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**ACCESS AUTHORIZED BY APPOINTMENT**

# Mammals

Latest addition **4/15/2013**

## Known to Occur on McAlhany Nature Preserve



\* Priority conservation species - details at end of document

Common Name	Order	Family	Genus and Species
White-tail Deer	Artiodactyla	Cervidae	<i>Odocoileus virginianus</i>
Bobcat	Carnivora	Felidae	<i>Lynx rufus</i>
Northern Raccoon	Carnivora	Procyonidae	<i>Procyon lotor</i>
Rafinesque's Big-eared Bat *	Chiroptera	Vespertilionidae	<i>Corynorhinus rafinesquii</i>
Virginia Opossum	Didelphimorpha	Didelphidae	<i>Didelphis virginiana</i>
Eastern Cottontail	Lagomorpha	Leporidae	<i>Sylvilagus floridanus</i>
American Beaver	Rodentia	Castoridae	<i>Castor Canadensis</i>
House Mouse	Rodentia	Muridae	<i>Mus musculus</i>
Norway Rat	Rodentia	Muridae	<i>Rattus norvegicus</i>
Gray Squirrel	Rodentia	Sciuridae	<i>Sciurus carolinensis</i>
Nine-banded Armadillo	Xenarthra	Dasypodidae	<i>Dasybus novemcinctus</i>

# Birds



Latest addition **5/13/2013**

113 species

## Known to Occur on McAlhany Nature Preserve

Listed in order of A.O.U. classification

\* Priority conservation species - details at end of document

Wood Duck *	<i>Aix sponsa</i>
Hooded Merganser	<i>Lophodytes cucullatus</i>
Northern Bobwhite *	<i>Colinus virginianus</i>
Wild Turkey	<i>Meleagris gallopavo</i>
Pied-billed Grebe *	<i>Podilymbus podiceps</i>
Wood Stork *	<i>Mycteria americana</i>
Anhinga	<i>Anhinga anhinga</i>
Great Blue Heron *	<i>Ardea herodias</i>
Great Egret *	<i>Ardea alba</i>
Snowy Egret *	<i>Egretta thula</i>
Little Blue Heron *	<i>Egretta caerulea</i>
Tricolor Heron *	<i>Egretta tricolor</i>
Green Heron *	<i>Butorides virescens</i>
Yellow-crowned Night Heron *	<i>Nyctanassa violacea</i>
White Ibis *	<i>Eudocimus albus</i>
Black Vulture	<i>Coragyps atratus</i>
Turkey Vulture	<i>Cathartes aura</i>
Osprey	<i>Pandion haliaetus</i>
Swallow-tailed Kite *	<i>Elanoides forficatus</i>
Mississippi Kite	<i>Ictinia mississippiensis</i>
Bald Eagle *	<i>Haliaeetus leucocephalus</i>
Cooper's Hawk	<i>Accipiter cooperii</i>
Red-shouldered Hawk	<i>Buteo lineatus</i>
American Kestrel *	<i>Falco sparverius</i>
Spotted Sandpiper *	<i>Actitis macularius</i>
Solitary Sandpiper *	<i>Tringa solitaria</i>
Common Snipe	<i>Gallinago gallinago</i>
American Woodcock *	<i>Scolopax minor</i>
Mourning Dove	<i>Zenaida macroura</i>
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>
Great-horned Owl	<i>Bubo virginianus</i>
Barred Owl	<i>Strix varia</i>
Chimney Swift	<i>Chaetura pelagica</i>
Ruby-throated Hummingbird	<i>Archilochus colubris</i>
Belted Kingfisher	<i>Megaceryle alcyon</i>
Red-headed Woodpecker *	<i>Melanerpes erythrocephalus</i>
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>
Hairy Woodpecker	<i>Picoides villosus</i>
Downy Woodpecker	<i>Picoides pubescens</i>
Northern Flicker	<i>Colaptes auratus</i>
Pileated Woodpecker	<i>Dryocopus pileatus</i>
Eastern Wood Peewee *	<i>Contopus virens</i>

Acadian Flycatcher *	<i>Empidonax virescens</i>
Eastern Phoebe	<i>Sayornis phoebe</i>
Great Crested Flycatcher	<i>Myiarchus crinitus</i>
White-eyed Vireo	<i>Vireo griseus</i>
Yellow-throated Vireo	<i>Vireo flavifrons</i>
Blue-headed Vireo	<i>Vireo solitarius</i>
Red-eyed Vireo	<i>Vireo olivaceus</i>
Blue Jay	<i>Cyanocitta cristata</i>
American Crow	<i>Corvus brachyrhynchos</i>
Fish Crow	<i>Corvus ossifragus</i>
Purple Martin	<i>Progne subis</i>
Tree Swallow	<i>Tachycineta bicolor</i>
Carolina Chickadee	<i>Poecile carolinensis</i>
Tufted Titmouse	<i>Baeolophus bicolor</i>
White-breasted Nuthatch	<i>Sitta carolinensis</i>
Brown Creeper	<i>Certhia americana</i>
Carolina Wren	<i>Thryothorus ludovicianus</i>
House Wren	<i>Troglodytes aedon</i>
Winter Wren	<i>Troglodytes hiemalis</i>
Blue-gray Gnatcatcher	<i>Poliophtila caerulea</i>
Golden-crowned Kinglet *	<i>Regulus satrapa</i>
Ruby-crowned Kinglet	<i>Regulus calendula</i>
Eastern Bluebird	<i>Sialia sialis</i>
Veery	<i>Catharus fuscescens</i>
Hermit Thrush	<i>Catharus guttatus</i>
Wood Thrush *	<i>Hylocichla mustelina</i>
American Robin	<i>Turdus migratorius</i>
Gray Catbird	<i>Dumetella carolinensis</i>
Northern Mockingbird	<i>Mimus polyglottos</i>
Brown Thrasher	<i>Toxostoma rufum</i>
Cedar Waxwing	<i>Bombycilla cedrorum</i>
Ovenbird	<i>Seiurus aurocapilla</i>
Worm-eating Warbler *	<i>Helmitheros vermivorum</i>
Louisiana Waterthrush *	<i>Parkesia motacilla</i>
Black-and-white Warbler	<i>Mniotilta varia</i>
Prothonotary Warbler *	<i>Protonotaria citrea</i>
Swainson's Warbler *	<i>Limnithlypis swainsonii</i>
Kentucky Warbler *	<i>Geothlypis formosa</i>
Common Yellowthroat	<i>Geothlypis trichas</i>
Hooded Warbler *	<i>Setophaga citrina</i>
American Redstart	<i>Setophaga ruticilla</i>
Northern Parula	<i>Setophaga americana</i>
Magnolia Warbler	<i>Setophaga magnolia</i>

Bay-breasted Warbler	<i>Setophaga castanea</i>
Blackburnian Warbler	<i>Setophaga fusca</i>
Yellow Warbler	<i>Setophaga petechia</i>
Black-throated Blue Warbler *	<i>Setophaga caerulescens</i>
Pine Warbler	<i>Setophaga pinus</i>
Yellow-rumped Warbler	<i>Setophaga coronata</i>
Yellow-throated Warbler	<i>Setophaga dominica</i>
Prairie Warbler	<i>Setophaga discolor</i>
Black-throated Green Warbler *	<i>Setophaga virens</i>
Yellow-breasted Chat	<i>Icteria virens</i>
Eastern Towhee	<i>Pipilo erythrophthalmus</i>
Chipping Sparrow	<i>Spizella passerina</i>
Field Sparrow	<i>Spizella pusilla</i>
Song Sparrow	<i>Melospiza melodia</i>
White-throated Sparrow	<i>Zonotrichia albicollis</i>
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>
Dark-eyed Junco *	<i>Junco hyemalis</i>
Summer Tanager	<i>Piranga rubra</i>
Scarlet Tanager *	<i>Piranga olivacea</i>
Northern Cardinal	<i>Cardinalis cardinalis</i>



# Amphibians and Reptiles

## Known to Occur on McAlhany Nature Preserve



latest addition **4/9/2014**

60 species total

\* Priority conservation species  
See status table at end of document.

### Salamanders 11 species

Spotted Salamander	<i>Ambystoma maculatum</i>
Marbled Salamander	<i>Ambystoma opacum</i>
Mole Salamander	<i>Ambystoma talpoideum</i>
Two-toed Amphiuma	<i>Amphiuma means</i>
Southern Dusky Salamander *	<i>Desmognathus auriculatus</i>
Two-lined Salamander	<i>Eurycea cirrigera</i>
Dwarf Salamander	<i>Eurycea quadridigitata</i>
Eastern Newt	<i>Notophthalmus viridescens</i>
Atlantic Coast Slimy Salamander	<i>Plethodon chlorobryonis</i>
South Carolina Slimy Salamander	<i>Plethodon variolatus</i>
Lesser Siren	<i>Siren intermedia</i>
Greater Siren	<i>Siren lacertian</i>

### Frogs 17 species

Southern Cricket Frog	<i>Acris gryllus</i>
Southern Toad	<i>Bufo terrestris</i>
Eastern Narrowmouth Toad	<i>Gastrophryne carolinensis</i>
Cope's Gray Treefrog	<i>Hyla chrysoscelis</i>
Green Treefrog	<i>Hyla cinera</i>
Pinewoods Treefrog	<i>Hyla femoralis</i>
Barking Treefrog	<i>Hyla gratiosa</i>
Squirrel Treefrog	<i>Hyla squirella</i>
Brimley's Chorus Treefrog	<i>Pseudacris brimleyi</i>
Spring Peeper	<i>Pseudacris crucifer</i>
Upland Chrous Frog *	<i>Pseudacris feriarum</i>
Southern Chorus Frog	<i>Pseudacris nigrita</i>
Bullfrog	<i>Rana catesbeiana</i>
Green Frog	<i>Rana clamitans</i>
River Frog	<i>Rana heckscheri</i>
Southern Leopard Frog	<i>Rana sphenoccephala</i>
Eastern Spadefoot Toad	<i>Scaphiopus holbrooki</i>

### Crococilians 1 species

American Alligator *	<i>Alligator mississippiensis</i>
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### Turtles 7 species

Snapping Turtle	<i>Chelydra serpentine</i>
Spotted Turtle *	<i>Clemmys guttata</i>
Chicken Turtle *	<i>Deirochelys reticularia</i>
Eastern Mud Turtle / Common Mud Turtle	<i>Kinostemon subrubum</i>
Yellowbelly Slider	<i>Pseudemys scripta</i>
Eastern Musk Turtle	<i>Sternotherus odoratus</i>
Eastern Box Turtle	<i>Terrapene Carolina</i>

**Lizards** 7 species

Carolina Anole	<i>Anolis carolinensis</i>
Six-lined Racerunner	<i>Cnemidophorus sexlineatus</i>
Five-lined Skink	<i>Eumeces fasciatus</i>
Broadhead Skink	<i>Eumeces laticeps</i>
Southeastern Five-lined Skink	<i>Eumeces inexpectatus</i>
Eastern Fence Lizard	<i>Sceloporus undulates</i>
Ground Skink	<i>Scincella lateralis</i>

**Snakes** 17 species

Copperhead	<i>Agkistrodon contortrix</i>
Cottonmouth	<i>Agkistrodon piscivorus</i>
Black Racer	<i>Coluber constrictor</i>
Eastern Worm Snake	<i>Carphophis amoenus</i>
Canebrake Rattlesnake	<i>Crotalus horridus</i>
Ringneck Snake	<i>Diadophis punctatus</i>
Corn Snake	<i>Elpaha gluttata</i>
Rat Snake	<i>Elpaha obsoleta</i>
Greenish Rat Snake	<i>Elpaha obsoleta</i> x <i>E. obsoleta quadrivittata</i>
Mud Snake	<i>Farancia abacura</i>
Rainbow Snake	<i>Farancia erythrogramma</i>
Eastern Hognose Snake	<i>Heterodon platyrhinos</i>
Red-bellied Water Snake	<i>Nerodia erythrogaster</i>
Banded Water Snake	<i>Nerodia fasciata</i>
Brown Water Snake	<i>Nerodia taxispilota</i>
Red-bellied Snake	<i>Storeria occipitomaculata</i>
Southeastern Crowned Snake	<i>Tantilla coronata</i>

# Fishes



latest addition **6/19/2013**

## Known to Occur on McAlhany Nature Preserve

\* Priority conservation species - see status table at end of document.

**Order: Acipenseriformes**  
**Family: Acipenseridae**

Shortnose Sturgeon \* ..... *Acipenser brevirostrum*

**Order: Amiiformes**  
**Family: Amiidae**

Bowfin ..... *Amia calva*

**Order: Cypriniformes**  
**Family: Cyprinidae**

Golden Shiner ..... *Notemigonus crysoleucas*

Dusky Shiner ..... *Notropis cummingsae*

Coastal Shiner ..... *Notropis petersoni*

**Family: Catostomidae**

Creek Chubshiner ..... *Erimyzon oblongus*

**Order: Esociformes**  
**Family: Esocidae**

Redfin Pickerel ..... *Esox americanus*

**Order: Percopsiformes**  
**Family: Aphredoderidae**

Pirate Perch ..... *Aphredoderus sayanus*

**Order: Cyprinodontiformes**  
**Family: Poeciliidae**

Mosquitofish ..... *Gambusia affinis*

**Order: Perciformes**  
**Family: Centrarchidae**

Mud Sunfish ..... *Acantharchus pomotis*

Flier ..... *Centrarchus macropterus*

Black Banded Sunfish \* ..... *Enneacanthus chaetodon*

Bluespotted Sunfish ..... *Enneacanthus gloriosus*

Redbreast Sunfish ..... *Lepomis auritus*

Warmouth ..... *Lepomis gulosus*

Bluegill Sunfish ..... *Lepomis macrochirus*

Dollar Sunfish ..... *Lepomis marginatus*

Redear Sunfish ..... *Lepomis microlophus*

Spotted Sunfish ..... *Lepomis punctatus*

Large Mouth Bass ..... *Micropterus salmoides*

Black Crappie ..... *Pomoxis nigromaculatus*

# Mollusks



Latest addition **5/2/2013**

## Known to Occur on McAlhany Nature Preserve

\* Priority conservation species - details at end of document

Asian Clam	<i>Corbicula fluminea</i>
Carolina Slabshell *	<i>Elliptio congaraea</i>
Variable Spike	<i>Elliptio icterina</i>
Paper Pondshell	<i>Utterbackia imbecillis</i>
Eastern Creekshell *	<i>Villosa delumbis</i>

# Insects



latest addition 2/4/2014

## Known to Occur on McAlhany Nature Preserve

### Dragonflies

Comet Darner	<i>Anax longipes</i>
Swamp Darner	<i>Epiaeschna heros</i>
Eastern Pondhawk	<i>Erythemis simplicicollis</i>
Little Blue Dragonlet	<i>Erythrodiplax minuscula</i>
Lancet Clubtail	<i>Gomphus exilis</i>
Painted Skimmer	<i>Libellula semifasciata</i>
Blue Dasher	<i>Pachydiplax longipennis</i>
Common Whitetail	<i>Plathemis lydia</i>
Blue-faced Meadowhawk	<i>Sympetrum ambiguum</i>
Carolina Saddlebags	<i>Tramea carolina</i>

### Damselflies

Sparkling Jewelwing	<i>Calopteryx dimidiata</i>
Eastern Forktail	<i>Ischnura verticalis</i>
Southern Spreadwing	<i>Lestes australis</i>

### True Bugs

Wheel Bug	<i>Arilus cristatus</i>
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### Sawflies, Wasps, Bees and Ants

Carpenter Bee	<i>Xylocopa sp.</i>
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### Butterflies

Pipevine Swallowtail	<i>Battus philenor</i>
Red-banded Hairstreak	<i>Calycopis cecrops</i>
Eastern Tailed-Blue	<i>Cupido comyntas</i>
Variiegated Fritillary	<i>Euptoieta claudia</i>
Carolina Satyr	<i>Hermeuptychia sosybius</i>
Common Buckeye	<i>Junonia coenia</i>
Red-spotted Purple	<i>Limenitis arthemis</i>
Little Wood Satyr	<i>Megisto cymela</i>
Mourning Cloak	<i>Nymphalis antiopa</i>
Imported Cabbageworm	<i>Pieris rapae</i>
Eastern Tiger Swallowtail	<i>Papilio glaucus</i>
Spicebush Swallowtail	<i>Papilio troilus</i>
Palamedes Swallowtail	<i>Papilio palmedes</i>
Eastern Black Swallowtail	<i>Papilio polyrenes</i>
Cloudless Sulphur	<i>Phoebis sennae</i>
Pearl Crescent	<i>Phyciodes tharos</i>

### Butterflies continued

Question Mark Butterfly	<i>Polygonia interrogationis</i>
Southern Cloudywing	<i>Thorybes bathyllus</i>
Northern Cloudywing	<i>Thorybes pylades</i>
Red Admiral	<i>Vanessa atalanta</i>
American Lady	<i>Vanessa virginiensis</i>

### Moths

-	<i>Abablemma brimleyana</i>
Southern Oak Dagger Moth	<i>Acronicta increta</i>
-	<i>Acronicta modica</i>
Delightful Dagger Moth	<i>Acronicta vinnula</i>
Luna Moth	<i>Actias luna</i>
Pink-striped Oakworm Moth	<i>Anisota virginiensis</i>
Banded Tiger Moth	<i>Apantesis vittata</i>
-	<i>Apoda biguttata</i>
-	<i>Apogeshna stenialis</i>
-	<i>Argyrotaenia quercifoliana</i>
Slowpoke	<i>Athetis tarda</i>
Io Moth	<i>Automeris io</i>
-	<i>Balsa malana</i>
-	<i>Blastobasis sp.</i>
-	<i>Blepharomastix ranalis</i>
-	<i>Cenopis pettitana</i>
-	<i>Choristoneura rosaceana</i>
Lead-colored Lichen Moth	<i>Cisthene plumbea</i>
Trumpet Vine Moth	<i>Clydonopteron sacculana</i>
-	<i>Cutina aluticolor</i>
-	<i>Cutina arcuata</i>
Distinct Cypress Owlet	<i>Cutina distincta</i>
-	<i>Desmia funeralis</i>
-	<i>Diasemiodes janassialis</i>
-	<i>Digrammia gnophosaria</i>
Festive Midget	<i>Elaphria festivoides</i>
-	<i>Elophila gyralis</i>
Spiny Oak-slug Moth	<i>Euclea delphinii</i>
-	<i>Gretchena sp.</i>
-	<i>Heterocampa guttivitta</i>
-	<i>Heterocampa obliqua</i>
-	<i>Hypagyrtis unipunctata</i>
-	<i>Hyperstrotia secta</i>
-	<i>Hypomecis umbrosaria</i>
Painted Lichen Moth	<i>Hypoprepia fucosa</i>
-	<i>Hypsopygia olinalis</i>
-	<i>Idia rotundalis</i>
-	<i>Lepidomys irrenosa</i>
-	<i>Macaria bicolorata</i>
-	<i>Macrochilo hypocriticalis</i>

## Moths continued

-	<i>Marathyssa inficita</i>
-	<i>Meganola spodia</i>
Orangewing Moth	<i>Mellilla xanthometata</i>
-	<i>Nematocampa resistaria</i>
Cypress Emerald	<i>Nemoria elfa</i>
Redlined Emerald	<i>Nemoria lixaria</i>
-	<i>Nigetia formosalis</i>
-	<i>Nola pustulata</i>
The Angel	<i>Olceclostera angelica</i>
-	<i>Pangrapta decoralis</i>
Redlined Panopoda	<i>Panopoda rufimargo</i>
Brown Panopoda	<i>Panopoda carneicosta</i>
Small-eyed Sphinx	<i>Paonias myops</i>
-	<i>Parapoynx allionealis</i>
-	<i>Parapoynx maculalis</i>
-	<i>Phalaenostola larentioides</i>
Spotted Phosphila	<i>Phosphila miselioides</i>
-	<i>Pococera humerella</i>
Large Maple Spanworm	<i>Prochoerodes lineola</i>
-	<i>Protoarmia porcelaria</i>
-	<i>Renia fraternalis</i>
-	<i>Scopula limboundata</i>
-	<i>Thioptera nigrofimbria</i>
Southern Tolyte	<i>Tolyte minta</i>
Orange Holomelina	<i>Virbia aurantiaca</i>
near <i>Zale helata/confusa/metatoides/buchholzi</i>	<i>Zale sp.</i>
-	<i>Zanclognatha cruralis</i>
-	<i>Zanclognatha theralis</i>

## Beetles

<u>Family Name</u>	<u>Common Name for Family</u>	<u>Name of Beetle Species</u>
Aderidae	Ant-like Leaf Beetles	<i>Ariotus subtropicus</i> Casey
Aderidae	Ant-like Leaf Beetles	<i>Elonus basalis</i> (LeConte)
Aderidae	Ant-like Leaf Beetles	<i>Elonus nebulosus</i> (LeConte)
Aderidae	Ant-like Leaf Beetles	<i>Vanonus agax</i> Casey
Aderidae	Ant-like Leaf Beetles	<i>Zonantes fasciatus</i> (Melsheimer)
Aderidae	Ant-like Leaf Beetles	<i>Zonantes hubbardi</i> Casey
Aderidae	Ant-like Leaf Beetles	<i>Zonantes nubifer</i> (LeConte)
Aderidae	Ant-like Leaf Beetles	<i>Zonantes signatus</i> (Haldeman)
Aderidae	Ant-like Leaf Beetles	<i>Zonantes subfasciatus</i> (LeConte)
Anobiidae	Death Watch and Spider	<i>Ernobius granulatus</i> LeConte
Anobiidae	Death Watch and Spider	<i>Petalium seriatum</i> Fall
Anobiidae	Death Watch and Spider	<i>Ptinus bimaculatus</i> Melsheimer
Anthicidae	Ant-like Flower Beetles	<i>Sapintus hispidulus</i> Casey
Anthicidae	Ant-like Flower Beetles	<i>Sapintus pubescens</i> (LaFerté)

## Beetles continued

Anthribidae	Fungus Weevils	<i>Euparius marmoreus</i> Olivier
Anthribidae	Fungus Weevils	<i>Euparius paganus</i> Gyllenhal
Anthribidae	Fungus Weevils	<i>Piesocorynus mixtus</i> LeConte
Attelabidae	Leaf-rolling Weevils, etc.	<i>Eugnamptus angustatus</i> (Herbst)
Attelabidae	Leaf-rolling Weevils, etc.	<i>Synolabus bipustulatus</i>
Bostrichidae	Bostrichid Beetles	<i>Lichenophanes bicornis</i> (Weber)
Bostrichidae	Bostrichid Beetles	<i>Prostephanus punctatus</i> (Say)
Buprestidae	Metallic Wood-boring Beetles	<i>Anthaxia quercata</i> Fabricius
Cantharidae	Soldier Beetles	<i>Malthodes</i> sp.
Cantharidae	Soldier Beetles	<i>Podabrus</i> sp.
Cantharidae	Soldier Beetles	<i>Rhagonycha angulata</i> (Say)
Cantharidae	Soldier Beetles	<i>Rhagonycha carolina</i> (Fabricius)
Cantharidae	Soldier Beetles	<i>Rhagonycha nigrohumeralis</i>
Cantharidae	Soldier Beetles	<i>Rhagonycha triangulifera</i>
Cantharidae	Soldier Beetles	<i>Rhagonycha umbrina</i> (Green)
Cantharidae	Soldier Beetles	<i>Rhaxonycha</i> sp.
Carabidae	Ground Beetles	<i>Acupalpus rectangulus</i> Chaudoir
Carabidae	Ground Beetles	<i>Acupalpus testaceus</i> (Dejean)
Carabidae	Ground Beetles	<i>Agonum aeruginosum</i> Dejean
Carabidae	Ground Beetles	<i>Agonum albicrus</i> Dejean
Carabidae	Ground Beetles	<i>Agonum crenulatum</i> (LeConte)
Carabidae	Ground Beetles	<i>Agonum decorum</i> (Say)
Carabidae	Ground Beetles	<i>Agonum moerens</i> Dejean
Carabidae	Ground Beetles	<i>Agonum punctiforme</i> (Fabricius)
Carabidae	Ground Beetles	<i>Agonum striatopunctatum</i>
Carabidae	Ground Beetles	<i>Anatrichis minuta</i> (Dejean)
Carabidae	Ground Beetles	<i>Anisodactylus</i> sp.
Carabidae	Ground Beetles	<i>Ardistomis schaumii</i> LeConte
Carabidae	Ground Beetles	<i>Badister maculatus</i> LeConte
Carabidae	Ground Beetles	<i>Badister reflexus</i> LeConte
Carabidae	Ground Beetles	<i>Bembidion affine</i> (Say)
Carabidae	Ground Beetles	<i>Bembidion contractum</i> Say
Carabidae	Ground Beetles	<i>Brachinus alternans</i> Dejean
Carabidae	Ground Beetles	<i>Brachinus tenuicollis</i> LeConte
Carabidae	Ground Beetles	<i>Carabus vinctus</i>
Carabidae	Ground Beetles	<i>Chlaenius amoenus</i> Dejean
Carabidae	Ground Beetles	<i>Chlaenius emarginatus</i> Say
Carabidae	Ground Beetles	<i>Chlaenius erythropus</i> Germar
Carabidae	Ground Beetles	<i>Chlaenius impunctifrons</i> Say
Carabidae	Ground Beetles	<i>Chlaenius sericeus</i> (Forster)
Carabidae	Ground Beetles	<i>Cicindela sexguttata</i> Fabricius
Carabidae	Ground Beetles	<i>Cicindela unipunctata</i> Fabricius
Carabidae	Ground Beetles	<i>Clivina americana</i> Dejean
Carabidae	Ground Beetles	<i>Clivina bipustulata</i> (Fabricius)



**Beetles continued**

Carabidae	Ground Beetles	<i>Clivina dentipes</i> Dejean
Carabidae	Ground Beetles	<i>Clivina punctigera</i> LeConte
Carabidae	Ground Beetles	<i>Cymindis americana</i>
Carabidae	Ground Beetles	<i>Cymindis limbatus</i> (Dejean)
Carabidae	Ground Beetles	<i>Dicaelus dilatatusdilatatus</i> Say
Carabidae	Ground Beetles	<i>Dicaelus elongatus</i> Bonelli
Carabidae	Ground Beetles	<i>Dicaelus furvufurvus</i> Dejean
Carabidae	Ground Beetles	<i>Dyschiriodes haemorrhoidalis</i>
Carabidae	Ground Beetles	<i>Galerita bicolor</i> Drury
Carabidae	Ground Beetles	<i>Lebia collaris</i> Dejean
Carabidae	Ground Beetles	<i>Lebia fuscata</i> Dejean
Carabidae	Ground Beetles	<i>Lebia ornata</i> Say
Carabidae	Ground Beetles	<i>Lebia viridipennis</i> Dejean
Carabidae	Ground Beetles	<i>Lebia viridis</i> Say
Carabidae	Ground Beetles	<i>Loxandrus agilis</i> (Dejean)
Carabidae	Ground Beetles	<i>Loxandrus brevicollis</i> (LeConte)
Carabidae	Ground Beetles	<i>Loxandrus parallelus</i> Casey
Carabidae	Ground Beetles	<i>Micratopus aenescens</i> (LeConte)
Carabidae	Ground Beetles	<i>Mochtherus tetraspilotus</i> (W. S.
Carabidae	Ground Beetles	<i>Morion monilicornis</i> Latreille
Carabidae	Ground Beetles	<i>Notiobia sayi</i> (Blatchley)
Carabidae	Ground Beetles	<i>Notiobia terminata</i> (Say)
Carabidae	Ground Beetles	<i>Oodes amaroides</i> Dejean
Carabidae	Ground Beetles	<i>Oodes americanus</i> Dejean
Carabidae	Ground Beetles	<i>Paratachys oblitus</i> (Casey)
Carabidae	Ground Beetles	<i>Paratachys rhodeanus</i> (Casey)
Carabidae	Ground Beetles	<i>Pasimachus sublaevis</i> Bonelli
Carabidae	Ground Beetles	<i>Pentagonica flavipesflavipes</i>
Carabidae	Ground Beetles	<i>Perigona nigriceps</i> Dejean
Carabidae	Ground Beetles	<i>Platynus cincticollis</i> (Say)
Carabidae	Ground Beetles	<i>Pterostichus verticalis</i> (LeConte)
Carabidae	Ground Beetles	<i>Selenophorus fatuus</i> LeConte
Carabidae	Ground Beetles	<i>Selenophorus opalinus</i> LeConte
Carabidae	Ground Beetles	<i>Selenophorus palliatus</i>
Carabidae	Ground Beetles	<i>Semiardistomis viridis</i> (Say)
Carabidae	Ground Beetles	<i>Stenolophus infuscatus</i> (Dejean)
Carabidae	Ground Beetles	<i>Stenolophus lecontei</i> Chaudoir
Carabidae	Ground Beetles	<i>Stenolophus ochropezus</i> Say
Carabidae	Ground Beetles	<i>Trichotichnus dichrous</i> (Dejean)
Cerambycidae	Longhorn Beetles	<i>Acanthocinus obsoletus</i> (Olivier)
Cerambycidae	Longhorn Beetles	<i>Anelaphus pumilus</i> (Newman)
Cerambycidae	Longhorn Beetles	<i>Anelaphus villosus</i> (Fabricius)
Cerambycidae	Longhorn Beetles	<i>Leptostylus transversus</i>
Cerambycidae	Longhorn Beetles	<i>Monochamus titillator</i> (Fabricius)

**Beetles continued**

Cerambycidae	Longhorn Beetles	<i>Obrium rufulum</i> Gahan
Cerambycidae	Longhorn Beetles	<i>Urographis fasciatus</i> (De Geer)
Ceratocanthidae	Pill Scarab Beetles	<i>Germarostes globosus</i> (Say)
Chrysomelidae	Leaf Beetles	<i>Chrysomela scripta</i> Fabricius
Chrysomelidae	Leaf Beetles	<i>Dibolia</i> sp.
Chrysomelidae	Leaf Beetles	<i>Exema gibber</i> (Fabricius)
Chrysomelidae	Leaf Beetles	<i>Paria fragariaekirki</i> Balsbaugh
Chrysomelidae	Leaf Beetles	<i>Pseudolampsis guttata</i> (LeConte)
Ciidae	Minute Tree-fungus Beetles	<i>Ciidae</i> , unidentified
Cleridae	Checkered Beetles	<i>Cleridae</i> , unidentified
Coccinellidae	Lady Beetles	<i>Harmonia axyridis</i>
Coccinellidae	Lady Beetles	<i>Hippodamia convergens</i>
Corylophidae	Minute Hooded Beetles, etc.	<i>Clypastraea fasciata</i> Say
Corylophidae	Minute Hooded Beetles, etc.	<i>Holopsis marginicollis</i> (LeConte)
Cryptophagidae	Silken Fungus Beetles	<i>Atomaria gonodera</i> Casey
Cryptophagidae	Silken Fungus Beetles	<i>Atomaria</i> sp.
Curculionidae	Weevils or Snout Beetles	<i>Anthonomus nubilus</i> LeConte
Curculionidae	Weevils or Snout Beetles	<i>Conotrachelus schoofi</i> Papp
Curculionidae	Weevils or Snout Beetles	<i>Cophes fallax</i> (LeConte)
Curculionidae	Weevils or Snout Beetles	<i>Cophes oblongus</i> (LeConte)
Curculionidae	Weevils or Snout Beetles	<i>Cophes obtentus</i> (Herbst)
Curculionidae	Weevils or Snout Beetles	<i>Cyrtepistomus castaneus</i>
Curculionidae	Weevils or Snout Beetles	<i>Euplatypus compositus</i> (Say)
Curculionidae	Weevils or Snout Beetles	<i>Lignyodes bischoffi</i> (Blatchley)
Curculionidae	Weevils or Snout Beetles	<i>Pachylobius picivorus</i> (Germar)
Curculionidae	Weevils or Snout Beetles	<i>Pandeleiteius hilaris</i> (Herbst)
Curculionidae	Weevils or Snout Beetles	<i>Rhynchus apiculatus</i> (Gyllenhal)
Curculionidae	Weevils or Snout Beetles	<i>Scolytinae</i> , unidentified
Curculionidae	Weevils or Snout Beetles	<i>Tanysphyrus lemnae</i> (Fabricius)
Curculionidae	Weevils or Snout Beetles	<i>Tyloderma aereoides</i> Wibmer
Dryopidae	Long-toed Water Beetles	<i>Pelonomus obscurus</i> LeConte
Dytiscidae	Predacious Diving Beetles	<i>Agabetes acuductus</i>
Dytiscidae	Predacious Diving Beetles	<i>Agabus gagates</i> Aubé
Dytiscidae	Predacious Diving Beetles	<i>Bidessonotus longovalis</i>
Dytiscidae	Predacious Diving Beetles	<i>Copelatus caelatipennis</i> princeps
Dytiscidae	Predacious Diving Beetles	<i>Copelatus glyphicus</i> (Say)
Dytiscidae	Predacious Diving Beetles	<i>Copelatus punctulatus</i> Aubé
Dytiscidae	Predacious Diving Beetles	<i>Coptotomus interrogatus</i>
Dytiscidae	Predacious Diving Beetles	<i>Coptotomus lenticus</i> Fabricius
Dytiscidae	Predacious Diving Beetles	<i>Dytiscus carolinus</i> Aubé
Dytiscidae	Predacious Diving Beetles	<i>Hydaticus bimarginatus</i> Say
Dytiscidae	Predacious Diving Beetles	<i>Hydrovatus</i>
Dytiscidae	Predacious Diving Beetles	<i>Laccophilus proximus</i> Say
Dytiscidae	Predacious Diving Beetles	<i>Matus ovatus</i> blatchleyi Leech

## Beetles continued

Dytiscidae	Predacious Diving Beetles	<i>Neoporus carolinus</i>
Dytiscidae	Predacious Diving Beetles	<i>Neoporus clypealis</i> (Sharp)
Dytiscidae	Predacious Diving Beetles	<i>Neoporus lobatus</i>
Dytiscidae	Predacious Diving Beetles	<i>Neoporus venustus</i> (LeConte)
Dytiscidae	Predacious Diving Beetles	<i>Rhantus calidus</i> (Fabricius)
Dytiscidae	Predacious Diving Beetles	<i>Thermonectus basillarisbasillaris</i>
Dytiscidae	Predacious Diving Beetles	<i>Uvarus lacustris</i> (Say)
Elateridae	Click Beetles	<i>Alaus myopsmyops</i> (Fabricius)
Elateridae	Click Beetles	<i>Alaus oculus</i>
Elateridae	Click Beetles	<i>Ampedus melanotoides</i> Brown
Elateridae	Click Beetles	<i>Anchastus longulus</i> LeConte
Elateridae	Click Beetles	<i>Athous brightwelli</i> (Kirby)
Elateridae	Click Beetles	<i>Conoderus suturalis</i> LeConte
Elateridae	Click Beetles	<i>Glyphonyx ferruginosus</i>
Elateridae	Click Beetles	<i>Glyphonyx gracilis</i> (?) Smith &
Elateridae	Click Beetles	<i>Glyphonyx quietus</i> (Say)
Elateridae	Click Beetles	<i>Lacon impressicollis</i> (Say)
Elateridae	Click Beetles	<i>Limonius basillaris</i> Say
Elateridae	Click Beetles	<i>Limonius griseus</i> Beauvois
Elateridae	Click Beetles	<i>Melanotus americanus</i> (Herbst)
Elateridae	Click Beetles	<i>Melanotus ignobilis</i>
Elateridae	Click Beetles	<i>Melanotus insipiens</i> (Say)
Elateridae	Click Beetles	<i>Melanotus morosus</i> Candèze
Elateridae	Click Beetles	<i>Melanotus similis</i> (Kirby)
Elateridae	Click Beetles	<i>Melanotus</i> sp.
Elateridae	Click Beetles	<i>Melanotus spadix</i> (Erichson)
Erotylidae	Pleasing Fungus Beetles	<i>Ischyryus quadripunctatus</i>
Eucinetidae	Plate-thigh Beetles	<i>Eucinetus strigosus</i> LeConte
Eucnemidae	False Click Beetles	<i>Eucnemidae</i> , unidentified
Gyrinidae	Whirligig Beetles	<i>Dineutus emarginatus</i> (Say)
Gyrinidae	Whirligig Beetles	<i>Gyrinus</i> sp.
Haliplidae	Crawling Water Beetles	<i>Haliplus triopsis</i> Say
Haliplidae	Crawling Water Beetles	<i>Peltodytes dunavani</i> Young
Haliplidae	Crawling Water Beetles	<i>Peltodytes sexmaculatus</i>
Heteroceridae	Variiegated Mud-loving	<i>Tropicus pusillus</i> (Say)
Histeridae	Clown Beetles	<i>Aeletes politus</i> LeConte
Hydraenidae	Minute Moss Beetles	<i>Hydraena pennsylvanica</i>
Hydrophilidae	Water Scavenger Beetles	<i>Berosus infuscatus</i> LeConte
Hydrophilidae	Water Scavenger Beetles	<i>Cercyon versicolor</i> Smetana
Hydrophilidae	Water Scavenger Beetles	<i>Derallus altus</i> (LeConte)
Hydrophilidae	Water Scavenger Beetles	<i>Enochrus cinctus</i> (Say)
Hydrophilidae	Water Scavenger Beetles	<i>Enochrus consortus</i> Green
Hydrophilidae	Water Scavenger Beetles	<i>Enochrus interruptus</i> Gundersen
Hydrophilidae	Water Scavenger Beetles	<i>Enochrus ochraceus</i> Melsheimer

## Beetles continued

Hydrophilidae	Water Scavenger Beetles	<i>Enochrus perplexus</i> LeConte
Hydrophilidae	Water Scavenger Beetles	<i>Enochrus pygmaeus</i> (Fabricius)
Hydrophilidae	Water Scavenger Beetles	<i>Enochrus sayi</i> Gundersen
Hydrophilidae	Water Scavenger Beetles	<i>Enochrus sublongus</i> Fall
Hydrophilidae	Water Scavenger Beetles	<i>Helocombus bifidus</i> (LeConte)
Hydrophilidae	Water Scavenger Beetles	<i>Hydrobiomorpha casta</i> (Say)
Hydrophilidae	Water Scavenger Beetles	<i>Hydrochara soror</i> Smetana
Hydrophilidae	Water Scavenger Beetles	<i>Hydrochus excavatus</i> LeConte
Hydrophilidae	Water Scavenger Beetles	<i>Hydrochus rufipes</i> Melsheimer
Hydrophilidae	Water Scavenger Beetles	<i>Hydrochus rugosus</i> Mulsant
Hydrophilidae	Water Scavenger Beetles	<i>Hydrochus simplex</i> LeConte
Hydrophilidae	Water Scavenger Beetles	<i>Hydrophilus ovatus</i> (Gemminger)
Hydrophilidae	Water Scavenger Beetles	<i>Paracymus subcupreus</i> Say
Hydrophilidae	Water Scavenger Beetles	<i>Phaenonotum exstriatum</i> Say
Hydrophilidae	Water Scavenger Beetles	<i>Tropisternus blatchleyi</i> blatchleyi
Hydrophilidae	Water Scavenger Beetles	<i>Tropisternus collaris</i> Fabricius
Hydrophilidae	Water Scavenger Beetles	<i>Tropisternus lateralisnimbatus</i>
Laemophloeidae	Lined Flat Bark Beetles	<i>Laemophloeus biguttatus</i> (Say)
Laemophloeidae	Lined Flat Bark Beetles	<i>Laemophloeus fasciatus</i>
Latridiidae	Minute Brown Scavenger	<i>Melanophthalma</i> spp.
Leiodidae	Round Fungus Beetles	<i>Anisotoma expolita</i> Brown
Limnichidae	Minute Marsh-loving Beetles	<i>Eulimnichus ater</i> (LeConte)
Limnichidae	Minute Marsh-loving Beetles	<i>Limnichoderus seriatus</i> (Casey)
Lycidae	Net-winged Beetles	<i>Leptoceletes basalis</i> (LeConte)
Lycidae	Net-winged Beetles	<i>Plateros lictor</i> Newman
Lycidae	Net-winged Beetles	<i>Plateros</i> sp.
Melandryidae	False Darkling Beetles	<i>Dircaea liturata</i> LeConte
Melandryidae	False Darkling Beetles	<i>Microtonus sericans</i> LeConte
Melandryidae	False Darkling Beetles	<i>Orchesia gracilis</i> (Melsheimer)
Melandryidae	False Darkling Beetles	<i>Phloeotrya vaudoueri</i> (Mulsant)
Melyridae	Soft-winged Flower Beetles	<i>Ablechrus</i> sp.
Melyridae	Soft-winged Flower Beetles	<i>Hypebaeus apicalis</i> Say
Mycetophagidae	Hairy Fungus Beetles	<i>Mycetophagus obsoletus</i>
Nitidulidae	Sap Beetles	<i>Amphicrossus ciliatus</i> Olivier
Nitidulidae	Sap Beetles	<i>Carpophilus floralis</i>
Nitidulidae	Sap Beetles	<i>Colopterus maculatus</i> (Erichson)
Nitidulidae	Sap Beetles	<i>Epuraea</i> sp.
Nitidulidae	Sap Beetles	<i>Prometopia sexmaculata</i> Say
Noteridae	Burrowing Water Beetles	<i>Hydrocanthus atripennis</i> Say
Noteridae	Burrowing Water Beetles	<i>Suphis inflatus</i> (LeConte)
Noteridae	Burrowing Water Beetles	<i>Suphisellus bicolorpunctipennis</i>
Passalidae	Bess Beetles	<i>Odontotaenius disjunctus</i>
Phalacridae	Shining Flower Beetles	<i>Gorginus rubens</i> (LeConte)
Ptiliidae	Featherwing Beetles	<i>Ptiliidae, unidentified</i>

## Beetles continued

Ptilodactylidae	Ptilodactylid Beetles	<i>Ptilodactyla angustata</i> Horn
Ptilodactylidae	Ptilodactylid Beetles	<i>Ptilodactyla serricollis</i> (Say)
Pyrochroidae	Fire-colored Beetles	<i>Neopyrochroa femoralis</i>
Scarabaeidae	Scarab Beetles	<i>Anomala undulata</i> Melsheimer
Scarabaeidae	Scarab Beetles	<i>Aphodius campestris</i> Blatchley
Scarabaeidae	Scarab Beetles	<i>Aphodius rusicola</i> Melsheimer
Scarabaeidae	Scarab Beetles	<i>Ataenius fattigi</i> Cartwright
Scarabaeidae	Scarab Beetles	<i>Ataenius gracilis</i> (Melsheimer)
Scarabaeidae	Scarab Beetles	<i>Ataenius platensis</i> (Blanchard)
Scarabaeidae	Scarab Beetles	<i>Ateuchus lecontei</i> (Harold)
Scarabaeidae	Scarab Beetles	<i>Canthon vigilans</i> LeConte
Scarabaeidae	Scarab Beetles	<i>Diplotaxis liberta</i> (Germar)
Scarabaeidae	Scarab Beetles	<i>Diplotaxis sordida</i> (Say)
Scarabaeidae	Scarab Beetles	<i>Diplotaxis subcostata</i> Blanchard
Scarabaeidae	Scarab Beetles	<i>Dyscinetus morator</i> (Fabricius)
Scarabaeidae	Scarab Beetles	<i>Martineziana dutertrei</i>
Scarabaeidae	Scarab Beetles	<i>Onthophagus depressus</i> Harold
Scarabaeidae	Scarab Beetles	<i>Phileurus valgusvalgus</i>
Scarabaeidae	Scarab Beetles	<i>Phyllophaga anxia</i> (LeConte)
Scarabaeidae	Scarab Beetles	<i>Phyllophaga drakii</i> (Kirby)
Scarabaeidae	Scarab Beetles	<i>Phyllophaga forsteri</i> (Burmeister)
Scarabaeidae	Scarab Beetles	<i>Phyllophaga foxii</i> Davis
Scarabaeidae	Scarab Beetles	<i>Phyllophaga fraterna</i> Harris
Scarabaeidae	Scarab Beetles	<i>Pseudocanthon perplexus</i>
Scarabaeidae	Scarab Beetles	<i>Serica atracapilla</i> (Kirby)
Scarabaeidae	Scarab Beetles	<i>Serica intermixta</i> Blatchley
Scarabaeidae	Scarab Beetles	<i>Serica sericea</i> (Illiger)
Scarabaeidae	Scarab Beetles	<i>Tomarus neglectus</i> (LeConte)
Scirtidae	Marsh Beetles	<i>Cyphon cooperi</i> Schaeffer
Scirtidae	Marsh Beetles	<i>Cyphon perplexus</i> Blatchley
Scirtidae	Marsh Beetles	<i>Cyphon variabilis</i> (Thunberg)
Scirtidae	Marsh Beetles	<i>Ora texana</i> Champion
Scaptiidae	False Flower Beetles	<i>Allopoda lutea</i> (Haldeman)
Scaptiidae	False Flower Beetles	<i>Canifa pallipes</i> Melsheimer
Scydmaenidae	Ant-like Stone Beetles	<i>Euconnus</i> spp.
Scydmaenidae	Ant-like Stone Beetles	<i>Napochus capillosulum</i> LeConte
Silphidae	Carrion Beetles	<i>Nicrophorus orbicollis</i> Say
Silvanidae	Silvanid Flat Bark Beetles	<i>Ahasverus rectus</i> (LeConte)
Sphindidae	Cryptic Slime-mold Beetles	<i>Sphindus americanus</i> LeConte
Staphylinidae	Rove Beetles	<i>Achenomorphus corticinus</i>
Staphylinidae	Rove Beetles	<i>Anotylus insignitus</i> (Gravenhorst)
Staphylinidae	Rove Beetles	<i>Arthmius globicollis</i> LeConte
Staphylinidae	Rove Beetles	<i>Batriasymmodes</i> sp.
Staphylinidae	Rove Beetles	<i>Coproporus laevis</i> LeConte

**Beetles continued**

Staphylinidae	Rove Beetles	<i>Custotychus minor</i> (Casey)
Staphylinidae	Rove Beetles	<i>Dalmosella</i> sp.
Staphylinidae	Rove Beetles	<i>Erichsonius loxatus</i> (Horn)
Staphylinidae	Rove Beetles	<i>Eustilicus</i> spp.
Staphylinidae	Rove Beetles	<i>Homaeotarsus bicolor</i>
Staphylinidae	Rove Beetles	<i>Homaeotarsus cinctus</i> (Say)
Staphylinidae	Rove Beetles	<i>Homaeotarsus floridanus</i>
Staphylinidae	Rove Beetles	<i>Homaeotarsus</i> sp.
Staphylinidae	Rove Beetles	<i>Lathrobium angulare</i> (LeConte)
Staphylinidae	Rove Beetles	<i>Lathrobium</i> spp.
Staphylinidae	Rove Beetles	<i>Lithocharis ochraceus</i>
Staphylinidae	Rove Beetles	<i>Lithocharis</i> sp.
Staphylinidae	Rove Beetles	<i>Lobrathium dimidiatum</i> Say
Staphylinidae	Rove Beetles	<i>Phanerota fasciata</i> (Say)
Staphylinidae	Rove Beetles	<i>Pinophilus latipes</i> Gravenhorst
Staphylinidae	Rove Beetles	<i>Pselaphinae</i> , unidentified
Staphylinidae	Rove Beetles	<i>Reichenbachia</i> sp.
Staphylinidae	Rove Beetles	<i>Rhexius transversus</i> Casey
Staphylinidae	Rove Beetles	<i>Rugilus angularis</i> (Erichson)
Staphylinidae	Rove Beetles	<i>Sepedophilus basalis</i> Erichson
Staphylinidae	Rove Beetles	<i>Thinodromus arcifer</i> (LeConte)
Staphylinidae	Rove Beetles	<i>Tmesiphorus costalis</i> LeConte
Synchroidae	Synchroa Bark Beetles	<i>Synchroa punctata</i> Newman
Tenebrionidae	Darkling Beetles	<i>Alobates pennsylvanica</i> (De
Tenebrionidae	Darkling Beetles	<i>Alphitobius diaperinus</i> (Panzer)
Tenebrionidae	Darkling Beetles	<i>Androchirus erythropus</i> (Kirby)
Tenebrionidae	Darkling Beetles	<i>Androchirus femoralis</i> (Olivier)
Tenebrionidae	Darkling Beetles	<i>Corticeus thoracicus</i>
Tenebrionidae	Darkling Beetles	<i>Diaperis maculata</i> Olivier
Tenebrionidae	Darkling Beetles	<i>Glyptotus cribratus</i> LeConte
Tenebrionidae	Darkling Beetles	<i>Hymenorus communis</i> LeConte
Tenebrionidae	Darkling Beetles	<i>Hymenorus discretus</i> Casey
Tenebrionidae	Darkling Beetles	<i>Hymenorus dubius</i> Fall
Tenebrionidae	Darkling Beetles	<i>Hymenorus niger</i> (Melsheimer)
Tenebrionidae	Darkling Beetles	<i>Hymenorus obesus</i> Casey
Tenebrionidae	Darkling Beetles	<i>Hymenorus obscurus</i> (Say)
Tenebrionidae	Darkling Beetles	<i>Isomira iowensis</i> Casey
Tenebrionidae	Darkling Beetles	<i>Isomira oblongula</i> Casey
Tenebrionidae	Darkling Beetles	<i>Isomira pulla</i> (Melsheimer)
Tenebrionidae	Darkling Beetles	<i>Isomira quadristriata</i> (Couper)
Tenebrionidae	Darkling Beetles	<i>Isomira sericea</i> (Say)
Tenebrionidae	Darkling Beetles	<i>Lobopoda erythrocnemis</i> Germar
Tenebrionidae	Darkling Beetles	<i>Mycetochara analis</i> (LeConte)
Tenebrionidae	Darkling Beetles	<i>Neatus tenebrioides</i> (Beauvois)

**Beetles continued**

Tenebrionidae	Darkling Beetles	<i>Neomida bicornis</i> Fabricius
Tenebrionidae	Darkling Beetles	<i>Platydema cyanescens</i> Laporte
Tenebrionidae	Darkling Beetles	<i>Platydema ellipticum</i> (Fabricius)
Tenebrionidae	Darkling Beetles	<i>Platydema flavipes</i> (Fabricius)
Tenebrionidae	Darkling Beetles	<i>Platydema micans</i> Zimmermann
Tenebrionidae	Darkling Beetles	<i>Platydema ruficorne</i> (Sturm)
Tenebrionidae	Darkling Beetles	<i>Rhipidandrus paradoxus</i>
Tenebrionidae	Darkling Beetles	<i>Statira basalis</i> Horn
Tenebrionidae	Darkling Beetles	<i>Statira gagatina</i> Melsheimer
Tenebrionidae	Darkling Beetles	<i>Uloma punctulata</i> LeConte
Tetratomidae	Polypore Fungus Beetles	<i>Eustrophopsis bicolor</i> (Fabricius)
Tetratomidae	Polypore Fungus Beetles	<i>Penthe obliquata</i> (Fabricius)
Tetratomidae	Polypore Fungus Beetles	<i>Penthe pimelia</i> (Fabricius)
Tetratomidae	Polypore Fungus Beetles	<i>Synstrophus repandus</i> (Horn)
Throscidae	Throscid Beetles	<i>Aulonthroscus constrictor</i> (Say)
Throscidae	Throscid Beetles	<i>Aulonthroscus</i> sp.
Trogidae	Hide Beetles	<i>Omorgus asper</i> LeConte
Trogidae	Hide Beetles	<i>Trox aequalis</i> Say
Trogidae	Hide Beetles	<i>Trox foveicollis</i> Harold
Trogossitidae	Bark-gnawing Beetles,	<i>Tenebroides americanus</i> Kirby
Trogossitidae	Bark-gnawing Beetles,	<i>Tenebroides bimaculatus</i>
Zopheridae	Zopherid Beetles	<i>Aspathines aeneus</i> Thomson
Zopheridae	Zopherid Beetles	<i>Bitoma pinicola</i> Schaeffer

# Plants

## Known to Occur on McAlhany Nature Preserve



Latest addition **9/16/2013**  
Listed alphabetical by genus

Family	Genus and Species	Common Name	Growth Habit
Hippocastanaceae	<i>Aesculus pavia</i>	Red Buckeye; Dwarf Buckeye	shrub
Amaranthaceae	<i>Alternanthera philoxeroides</i>	Alligator-weed	forb/herb
Asteraceae	<i>Ambrosia artemisiifolia</i>	Common Ragweed	forb/herb
Rosaceae	<i>Amelanchier obovalis</i>	Shadbush; Coastal Serviceberry	shrub
Poaceae	<i>Andropogon gerardii</i>	Big Bluestem	graminoid
Poaceae	<i>Andropogon ternarius</i>	Splitbeard Bluestem	graminoid
Poaceae	<i>Andropogon virginicus</i>	Broomsedge Bluestem	graminoid
Scrophulariaceae	<i>Aureolaria virginica</i>	Downy Yellow False Foxglove	forb/herb
Poaceae	<i>Aristida beyrichiana</i>	Wiregrass	graminoid
Asclepiadaceae	<i>Asclepias variegata</i>	White Milkweed	forb/herb
Aspleniaceae	<i>Asplenium platyneuron</i>	Ebony Spleenwort	forb/herb
Asteraceae	<i>Aster pilosus</i>	White Heath Aster	forb/herb
Azollaceae	<i>Azolla caroliniana</i>	Mosquito Fern	forb/herb
Betulaceae	<i>Betula nigra</i>	River Birch	tree
Asteraceae	<i>Bidens aristosa</i>	Showy Tickseed	forb/herb
Asteraceae	<i>Bidens bipinnata</i>	Spanish Needles	forb/herb
Bignoniaceae	<i>Bignonia capreolata</i>	Cross Vine	vine
Urticaceae	<i>Boehmeria cylindrica</i>	False Nettle	
Verbenaceae	<i>Callicarpia americana</i>	American Beautiberry	shrub
Bignoniaceae	<i>Campsis radicans</i>	Trumpet Vine; Trumpet Creeper	vine
Fabaceae	<i>Centrosema virginianum</i>	Spurred Butterfly Pea	vine; forb/herb
Fabaceae	<i>Chamaecrista fasciculata</i>	Partridge Pea	forb/herb
Cupressaceae	<i>Chamaecyparis thyoides</i>	Atlantic White Cedar	tree
Pyrolaceae	<i>Chimaphila maculata</i>	Spotted Wintergreen	subshrub
Asteraceae	<i>Chrysopsis mariana</i>	Maryland Goldenaster	forb/herb
Cladoniaceae	<i>Cladonia sp.</i>	Reindeer Moss	lichenous
Euphorbiaceae	<i>Cnidocolus stimulosus</i>	Tread-softly; Nettle Spurge	forb/herb
Orobanchaceae	<i>Conopholis americana</i>	Squaw-root; Cancer-root	forb/herb
Asteraceae	<i>Conyza canadensis</i>	Horseweed	forb/herb
Cornaceae	<i>Cornus florida</i>	Flowering Dogwood	tree; shrub
Rosaceae	<i>Crataegus sp.</i>	Hawthorn	
Fabaceae	<i>Crotalaria spectabilis</i>	Rattlebox	forb/herb
Euphorbiaceae	<i>Croton glandulosus</i>	Wooly Croton	forb/herb
Cyperaceae	<i>Cyperus erythrorhizos</i>	Sedge	graminoid
Cyperaceae	<i>Cyperus rotundus</i>	Nutgrass	graminoid
Poaceae	<i>Danthonia sp.</i>	Oat Grass	
Fabaceae	<i>Desmodium obtusum</i>	Beggarlice; Ticktrefoil	forb/herb
Poaceae	<i>Dichanthelium sp.</i>	Rosette Grass	
Poaceae	<i>Digitaria sp.</i>	Crabgrass	
Asteraceae	<i>Elephantopus carolinianus</i>	Elephant's-Foot	forb/herb
Poaceae	<i>Eragrostis spectabilis</i>	Purple Lovegrass	graminoid
Asteraceae	<i>Erigeron sp.</i>	Fleabane	
Asteraceae	<i>Eupatorium capillifolium</i>	Dogfennel	forb/herb



<b>Family</b>	<b>Genus and Species</b>	<b>Common Name</b>	<b>Growth Habit</b>
Fagaceae	<i>Fagus grandifolia</i>	American Beech	tree
Rubiaceae	<i>Galium sp.</i>	Bedstraw	
Ericaceae	<i>Gaylussacia frondosa</i>	Dangleberry	shrub
Loganiaceae	<i>Gelsemium sempervirens</i>	Yellow Jessamine	vine; shrub
Asteraceae	<i>Gnaphalium obtusifolium</i>	Rabbit-tobacco, Cudweed	forb/herb
Orchidaceae	<i>Goodyera pubescens</i>	Downy Rattlesnake Plantain	forb/herb
Hamamelidaceae	<i>Hamamelis virginiana</i>	Witchhazel	tree; shrub
Asteraceae	<i>Helianthus angustifolia</i>	Swamp Sunflower	forb/herb
Aristolochiaceae	<i>Hexastylis arifolia</i>	Heartleaf	forb/herb
Hydrophyllaceae	<i>Hydrolea quadrivalvis</i>	Hydrolea	forb/herb
Clusiaceae	<i>Hypericum gentianoides</i>	Pineweed	forb/herb
Clusiaceae	<i>Hypericum hypericoides</i>	St. Andrew's Cross	shrub
Liliaceae	<i>Hypoxis hirsuta</i>	Yellow Star Grass	forb/herb
Aquifoliaceae	<i>Ilex amelanchier *</i>	Sarvis Holly	tree; shrub
Aquifoliaceae	<i>Ilex opaca</i>	American Holly	tree; shrub
Convolvulaceae	<i>Ipomoea pandurata</i>	Morning Glory	vine; forb/herb
Ericaceae	<i>Leucothoe racemosa</i>	Coastal Honeybells	shrub
Fabaceae	<i>Lespedeza bicolor</i>	Shrub Lespedeza	shrub
Fabaceae	<i>Lespedeza hirta</i>	Hairy Lespedeza	shrub
Hamamelidaceae	<i>Liquidambar styraciflua</i>	Sweetgum	tree
Magnoliaceae	<i>Liriodendron tulipifera</i>	Tulip Poplar	tree
Lycopodiaceae	<i>Lycopodium obscurum</i>	Ground Pine	forb/herb
Magnoliaceae	<i>Magnolia grandiflora</i>	Southern Magnolia	tree
Rubiaceae	<i>Mitchella repens</i>	Partridgeberry	subshrub; forb/herb
Lamiaceae	<i>Monarda punctata</i>	Beebalm	subshrub; forb/herb
Monotropaceae	<i>Monotropa uniflora</i>	Indianpipe	forb/herb
Myricaceae	<i>Morella cerifera</i>	Wax Myrtle	shrub
Nymphaeaceae	<i>Nuphar lutea</i>	Spatterdock; Yellow Pond-lily	forb/herb
Scrophulariaceae	<i>Nuttallanthus canadensis</i>	Oldfield Toadflax	forb/herb
Cornaceae	<i>Nyssa aquatica</i>	Water Tupelo	tree
Cornaceae	<i>Nyssa sylvatica</i>	Blackgum	tree
Cactaceae	<i>Opuntia humifusa</i>	Prickly-pear	shrub
Oleaceae	<i>Osmanthus americanus</i>	Wild Olive; Devilwood	tree; shrub
Osmundaceae	<i>Osmunda cinnamomea</i>	Cinnamon Fern	forb/herb
Poaceae	<i>Panicum hemitomon</i>	Maidencane	graminoid
Passifloraceae	<i>Passiflora incarnata</i>	Maypop Passionflower	vine; forb/herb
Lauraceae	<i>Persea borbonia</i>	Redbay	tree; shrub
Phytolaccaceae	<i>Phytolacca americana</i>	American Pokeweed	forb/herb
Pinaceae	<i>Pinus glabra</i>	Spruce Pine	tree
Pinaceae	<i>Pinus palustris</i>	Longleaf Pine	tree
Asteraceae	<i>Pityopsis graminifolia</i>	Silk-grass	forb/herb
Berberidaceae	<i>Podophyllum peltatum</i>	Mayapple	herb
Polygonaceae	<i>Polygonum sp.</i>	Smartweed	forb/herb

<b>Family</b>	<b>Genus and Species</b>	<b>Common Name</b>	<b>Growth Habit</b>
Rosaceae	<i>Prunus serotina</i>	Black Cherry	tree
Rosaceae	<i>Prunus angustifolia</i>	Chickasaw Plum	shrub
Dennstaedtiaceae	<i>Pteridium aquilinum</i>	Brackenfern	forb/herb
Fagaceae	<i>Quercus laurifolia</i>	Laurel Oak	tree
Fagaceae	<i>Quercus michauxii</i>	Swamp Chestnut Oak	tree
Fagaceae	<i>Quercus nigra</i>	Water Oak	tree
Fagaceae	<i>Quercus pumila</i>	Running Oak	shrub
Anacardiaceae	<i>Rhus copallina</i>	Winged Sumac	Tree; shrub
Anacardiaceae	<i>Rhus radicans</i>	Poison Ivy	forb/herb; vine
Rubiaceae	<i>Richardia scabra</i>	Florida Pusley	forb/herb
Rosaceae	<i>Rubus sp.</i>	Blackberry	subshrub
Asteraceae	<i>Rudbeckia hirta</i>	Black-eyed Susan	forb/herb
Polygonaceae	<i>Rumex hastatulus</i>	Heartwing Sorrel	forb/herb
Areaceae	<i>Sable minor</i>	Dwarf Palmetto	shrub
Poaceae	<i>Saccharum giganteum</i>	Sugarcane Plumgrass	graminoid
Salicaceae	<i>Salix sp.</i>	Willow	tree
Caprifoliaceae	<i>Sambucus canadensis</i>	American Elderberry	tree; shrub
Papaveraceae	<i>Sanguinaria canadensis</i>	Bloodroot	forb/herb
Sarraceniaceae	<i>Sarracenia flava</i>	Yellow Pitcher Plant	subshrub; forb/herb
Sarraceniaceae	<i>Sarracenia minor</i>	Hooded Pitcher Plant	subshrub; forb/herb
Sarraceniaceae	<i>Sarracenia rubra rubra</i>	Sweet Pitcher Plant	subshrub; forb/herb
Lauraceae	<i>Sassafras albidum</i>	Sassafras	tree; shrub
Poaceae	<i>Schizachyrium scoparium</i>	Little Bluestem	graminoid
Scrophulariaceae	<i>Schwalbea americana *</i>	Chaffseed	forb/herb
Cyperaceae	<i>Scleria sp.</i>	Nut-rush	graminoid
Euphorbiaceae	<i>Sebastiania ligustrina</i>	Sebastian-bush	shrub/subshrub
Fabaceae	<i>Senna obtusifolia</i>	Sicklepod	forb/herb
Poaceae	<i>Setaria parviflora</i>	Foxtail	graminoid
Smilacaceae	<i>Smilax bona-nox</i>	Greenbrier	shrub; vine
Asteraceae	<i>Solidago sp.</i>	Goldenrod	forb/herb
Poaceae	<i>Sorghastrum nutans</i>	Indiangrass	graminoid
Lemnaceae	<i>Spirodela polyrrhiza</i>	Duckweed	forb/herb
Lemnaceae	<i>Spirodela punctata</i>	Giant Duckweed	forb/herb
Cupressaceae	<i>Taxodium ascendens</i>	Pond Cypress	tree
Cupressaceae	<i>Taxodium distichum</i>	Bald Cypress	tree
Bromeliaceae	<i>Tillandsia usneoides</i>	Spanish-moss	forb/herb; vine
Orchidaceae	<i>Tipularia discolor</i>	Cranefly Orchid	forb/herb
Commelinaceae	<i>Tradescantia rosea</i>	Roseling	forb/herb
Poaceae	<i>Tridens flavus</i>	Purpletop	graminoid
Typhaceae	<i>Typha latifolia</i>	Broadleaf Cat-tail	forb/herb
Lentibulariaceae	<i>Utricularia inflata</i>	Floating Bladderwort	forb/herb
Ericaceae	<i>Vaccinium arboreum</i>	Sparkleberry	tree; shrub
Ericaceae	<i>Vaccinium elliotii</i>	Elliott's Blueberry	shrub

<b>Family</b>	<b>Genus and Species</b>	<b>Common Name</b>	<b>Growth Habit</b>
Caprifoliaceae	<i>Viburnum obovatum</i>	Small-leaf Viburnum	tree; shrub
Vitaceae	<i>Vitis aestivalis</i>	Summer Grape	vine
Vitaceae	<i>Vitis rotundifolia</i>	Muscadine; Bullace	vine
Lemnaceae	<i>Wolffiella floridana</i>	Bogmat	forb/herb
Liliaceae	<i>Zephyranthes atamasco</i>	Atamasco Lily	forb/herb

As labeled with an asterisk  
on the complete species list.

## PRIORITY CONSERVATION SPECIES Known to Occur on McAlhany Nature Preserve

June 7, 2013

Species	South Carolina Comprehensive Wildlife Conservation Strategy Priority	Legal Status	NatureServe Status See definitions below table.			Other Statuses		
			State	National	Global	Partners in Flight Priority Birds So. Atlantic Coastal Plain	National Audubon Society Watch List 2007	American Fisheries Society Status
<b>Mammals</b>								
Rafinesque's Big-eared Bat	High	State Endangered	S2?	N5B, N5N	G3G4			
<b>Birds</b>								
Wood Duck	Moderate		SNRB, SNRN, SNRM	N3N4	G5			
Northern Bobwhite	Highest		S4	N5	G5			
Pied-billed Grebe	Highest		SNRB, SNRN	N5B, N5N	G5			
Wood Stork	Highest	Federal and State Endangered	S1S2	N3	G4			
Great Blue Heron	Moderate		SNRB, SNRN	N5B, N5N	G5			
Great Egret	Moderate		SNRB, SNRN	N5B, N5N	G5			
Snowy Egret	Highest		SNRB, SNRN	N5B, N5N	G5			
Little Blue Heron	Highest	State Species of Concern	SNRB, SNRN	N5B, N5N	G5			
Tricolored Heron	Highest		SNRB, SNRN	N5B, N5N	G5			
Green Heron	Moderate		SNRB, SNRN	N5B, N5N	G5			
Yellow-crowned Night Heron	Highest		SNRB, SNRN	N5B, N5N	G5			
White Ibis	Highest		SNR	N5B, N5N	G5			
Swallow-tailed Kite	Highest	Fed. Sp. of Concern, State Endangered	S2	N3B	G5	✓	✓	
Bald Eagle	High	Federal BGEPA*, State Threatened	S2	N5B, N5N	G5			
American Kestrel	Highest		S4	N5B, N5N	G5	✓		
Spotted Sandpiper	High		S4	N5B, N5N	G5			
Solitary Sandpiper	Highest		SNA	N4B, N5N	G5			
American Woodcock	Moderate		S4	N5B, N5N	G5		✓	
Red-headed Woodpecker	-		SNR	N5B, N5N	G5		✓	
Eastern Wood PeeWee	Highest		S5	N5B	G5			
Acadian Flycatcher	High		S4	N5B	G5			
Golden-Crowned Kinglet	Moderate		S4	N5	G5			
Wood Thrush	Highest		S3?	N5B	G5	✓	✓	
Worm-eating Warbler	Highest		S4	N5B	G5	✓		
Louisiana Waterthrush	Moderate		S4	N5B	G5			
Prothonotary Warbler	-						✓	
Swainson's Warbler	Highest	State Species of Concern	S4	N4B	G4	✓	✓	
Hooded Warbler	-					✓		
Kentucky Warbler	Highest		S4	N5B	G5		✓	
Black-throated Blue Warbler	High		S4	N5B	G5			
Prairie Warbler	Highest		S4	N5B, NNRN	G5	✓	✓	
Black-throated Green Warbler	Highest		S4	N5B	G5	✓		

Species	South Carolina Comprehensive Wildlife Conservation Strategy Priority	Legal Status	NatureServe Status See definitions below table.			Other Statuses		
			State	National	Global	Partners in Flight Priority Birds So. Atlantic Coastal Plain	National Audubon Society Watch List 2007	American Fisheries Society Status
Dark-eyed Junco	Moderate		SNRB, SNRN	N5	G5			
Scarlet Tanager	Moderate		SNRB	N5B	G5			
Painted Bunting	Highest		SNRB	N5B	G5	✓	✓	
<b>Herpetofauna</b>								
Southern Dusky Salamander	Moderate		SNR	N5	G5			
Upland Chorus Frog	High	State Species of Concern	S3S5	N5	G5			
American Alligator	Moderate	Fed. Threatened because of Similarity of Appearance	S5	-	G5			
Spotted Turtle	Moderate	Federal At-Risk, State Threatened	S5	N5	G5			
Chicken Turtle	High		SNR	N5	G5			
<b>Fishes</b>								
Shortnose sturgeon	Highest	Federal and State Endangered	S3	N3	G3			Endangered
Blackbanded Sunfish	High		SNR	N3N4	G3G4			Vulnerable
<b>Mollusks</b>								
Carolina Slabshell	Moderate	State Species of Concern	-	S3	G3			
Variable spike	Moderate		N5	S4	G5Q			Stable
Eastern Creekshell	Moderate	State Species of Concern	N4	S4	G4			Stable
<b>Plants</b>								
Sarvis Holly			S3	NNR	G4			
Chaffseed		Federal Endangered	S3	N2N3	G2G3			

\* BGEPA Federally protected under the Bald and Golden Eagle Protection Act

## NatureServe National (N) and Subnational (S) Conservation Status Ranks

Status	Definition
<b>NX</b> <b>SX</b>	<b>Presumed Extirpated</b> —Species or ecosystem is believed to be extirpated from the jurisdiction (i.e., nation, or state/province). Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered. [Equivalent to “Regionally Extinct” in IUCN Red List terminology]
<b>NH</b> <b>SH</b>	<b>Possibly Extirpated</b> —Known from only historical records but still some hope of rediscovery. There is evidence that the species or ecosystem may no longer be present in the jurisdiction, but not enough to state this with certainty. Examples of such evidence include (1) that a species has not been documented in approximately 20-40 years despite some searching and/or some evidence of significant habitat loss or degradation; (2) that a species or ecosystem has been searched for unsuccessfully, but not thoroughly enough to presume that it is no longer present in the jurisdiction.
<b>N1</b> <b>S1</b>	<b>Critically Imperiled</b> —At very high risk of extirpation in the jurisdiction due to very restricted range, very few populations or occurrences, very steep declines, severe threats, or other factors.
<b>N2</b> <b>S2</b>	<b>Imperiled</b> —At high risk of extirpation in the jurisdiction due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors.
<b>N3</b> <b>S3</b>	<b>Vulnerable</b> —At moderate risk of extirpation in the jurisdiction due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors.
<b>N4</b> <b>S4</b>	<b>Apparently Secure</b> —At a fairly low risk of extirpation in the jurisdiction due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors.
<b>N5</b> <b>S5</b>	<b>Secure</b> —At very low or no risk of extirpation in the jurisdiction due to a very extensive range, abundant populations or occurrences, with little to no concern from declines or threats.

## NatureServe Variant National and Subnational Conservation Status Ranks

Rank	Definition
<b>N##</b> <b>S##</b>	<b>Range Rank</b> —A numeric range rank (e.g., S2S3 or S1S3) is used to indicate any range of uncertainty about the status of the species or ecosystem. Ranges cannot skip more than two ranks (e.g., SU is used rather than S1S4).
<b>NU</b> <b>SU</b>	<b>Unrankable</b> —Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.
<b>NNR</b> <b>SNR</b>	<b>Unranked</b> —National or subnational conservation status not yet assessed.
<b>NNA</b> <b>SNA</b>	<b>Not Applicable</b> —A conservation status rank is not applicable because the species or ecosystem is not a suitable target for conservation activities. <sup>2</sup>
<b>Not Provided</b>	Species or ecosystem is known to occur in this nation or state/province. Contact the relevant NatureServe network program for assignment of conservation status.

<sup>2</sup> A conservation status rank may be not applicable for some species, including long distance aerial and aquatic migrants, hybrids without conservation value, and non-native species or ecosystems, for several reasons, described below.

## NatureServe Global (G) Conservation Status Ranks

Rank	Definition
<b>GX</b>	<b>Presumed Extinct</b> (species)—Not located despite intensive searches and virtually no likelihood of rediscovery.  <b>Presumed Eliminated</b> (ecosystems, i.e., ecological communities and systems)—Eliminated throughout its range, due to loss of key dominant and characteristic taxa and/or elimination of the sites and ecological processes on which the type depends.
<b>GH</b>	<b>Possibly Extinct</b> (species) or <b>Possibly Eliminated</b> (ecosystems)—Known from only historical occurrences but still some hope of rediscovery. Examples of evidence include (1) that a species has not been documented in approximately 20–40 years despite some searching and/or some evidence of significant habitat loss or degradation; (2) that a species or ecosystem has been searched for unsuccessfully, but not thoroughly enough to presume that it is extinct or eliminated throughout its range.
<b>G1</b>	<b>Critically Imperiled</b> —At very high risk of extinction or elimination due to very restricted range, very few populations or occurrences, very steep declines, very severe threats, or other factors.
<b>G2</b>	<b>Imperiled</b> —At high risk of extinction or elimination due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors.
<b>G3</b>	<b>Vulnerable</b> —At moderate risk of extinction or elimination due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors.
<b>G4</b>	<b>Apparently Secure</b> —At fairly low risk of extinction or elimination due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors.
<b>G5</b>	<b>Secure</b> —At very low risk of extinction or elimination due to a very extensive range, abundant populations or occurrences, and little to no concern from declines or threats.

## Breeding Status Qualifiers

Qualifier	Definition
<b>B</b>	<b>Breeding</b> —Conservation status refers to the breeding population of the species in the nation or state/province.
<b>N</b>	<b>Nonbreeding</b> —Conservation status refers to the non-breeding population of the species in the nation or state/province.
<b>M</b>	<b>Migrant</b> —Migrant species occurring regularly on migration at particular staging areas or concentration spots where the species might warrant conservation attention. Conservation status refers to the aggregating transient population of the species in the nation or state/province.