



SOUTH CAROLINA ASSOCIATION OF NATURALISTS

SCAN

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September 2023

August has passed and with September we are starting to see some cooler days after a string of above normal high temperatures. We are on the cusp of the seasonal change towards fall. With each day now we are losing around two minutes of sunlight. Many natural systems (flora and fauna) are plugged into that sunlight change.

Last month's ramble was to Lower White Water Falls up in Oconee County...near the state border. It looked to be pretty well attended. I could not make it due to abdominal problems and recent surgery.

This month we will be heading to our Northern Region to Pacolet River Heritage Preserve. Our Regional Guide for that ramble/soodle will be Rita Zollinger. Details below.

We have reserved the Saluda Shoals Auditorium in Columbia for our January Annual Meeting. How about a call for speakers? Give us your requests! Know of anyone that can keep us spellbound?

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It's time to start planning for 2024! The outing planning session will be a video call the evening of October 25. More details coming soon. Start thinking of new and interesting places you'd like to explore!

Interested in doing more with SCAN? Leadership positions are open. Reach out to Dave or Gordon for more information.

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On a very sad note...we have lost a close friend and SCAN member. Paul Kalbach passed away of a sudden heart attack at his home on August 30. Everyone is encouraged to attend the Celebration of Life on September 30 at Cypress Gardens in Moncks Corner. There will be a memorial service and potluck lunch, followed by soodles through the Gardens and boat rides through the swamp. Please [RSVP](#) here.

That is all...Dave Schuetrum President

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Here's who attended...in no particular order.

Todd Johnston, Tom Austin, Caroline Eastman, Lee Morris, Dwight Moffitt, Mark Cujak, Rita Zollinger

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### **Lower Whitewater Falls, August 26, 2023**

Our trip to the Lower Whitewater Falls area for the Foothill Trails was, as expected, quite warm and muggy. The trail entering the area was relatively short, but we saw a very interesting phenomenon – large quantities of resin exuding from a tree at the edge of the trail. It was creating a pool at the base about the size of a dinner plate. Within the resin pool, there was an American Giant Millipede (*Narceus americanus*) and a Brown-Hooded Cockroach (*Cryptocercus punctulatus*). Amber in the making? Alas, while returning towards the parking lot hours later, neither Arthropod remained in the resin pool. I suspect someone had tried “rescuing” them.

We hiked as a group to the Whitewater River where we rested, cooled off, and nibbled on lunch. Afterward, in classic SCAN fashion, everyone scattered to various trails. While a couple SCANNers headed in the direction of Lower Whitewater Falls and a couple headed back to the parking lot, my group opted to follow the Coon Branch Trail along the river. The trail promised to be less up-and-down with more tree cover than the Lower Whitewater Falls Trail.

The Coon Branch Trail runs along the Whitewater River to the Coon Branch Nature Area, which is just south of the NC/SC line. This trail was narrow in places and had a plethora of plants. At one place we debated whether a plant was Solomon's Seal or False Solomon's Seal, only to go 50 feet and find the other one! There were few birds, but some interesting insects and spiders along the path.

Around 2:15, we stopped and considered turning around. While chatting, we found a third instar Pandora Sphinx (*Eumorphia pandorus*) caterpillar studded with parasitic wasp cocoons. We did decide to turn around and head back. Later, I explored online to see what we missed – we were around 500 feet from the end of the path. It ended at the river and is home to the largest Fraser Magnolia in the state – six feet in circumference and 86 feet in height. Well... next time!

Lee Morris  
Western Regional Director





*Tom Austin botanizing at the Whitewater River. (Lee Morris)*



*Hollow Joe-Pye Weed (*Eutrochium fistulosum*) with an Eastern Tiger Swallowtail (*Papilio glaucus*) and a Silver-Spotted Skipper (*Epargyreus clarus*). (Lee Morris)*





L: Rita cooling off in the Whitewater River. R: Frost's Bolete mushroom (*Exsudoporus frostii*) (Lee Morris)



Pandora Sphinx Moth caterpillar (*Eumorpha pandorus*) with Braconid parasitic wasp cocoons. (Lee Morris)



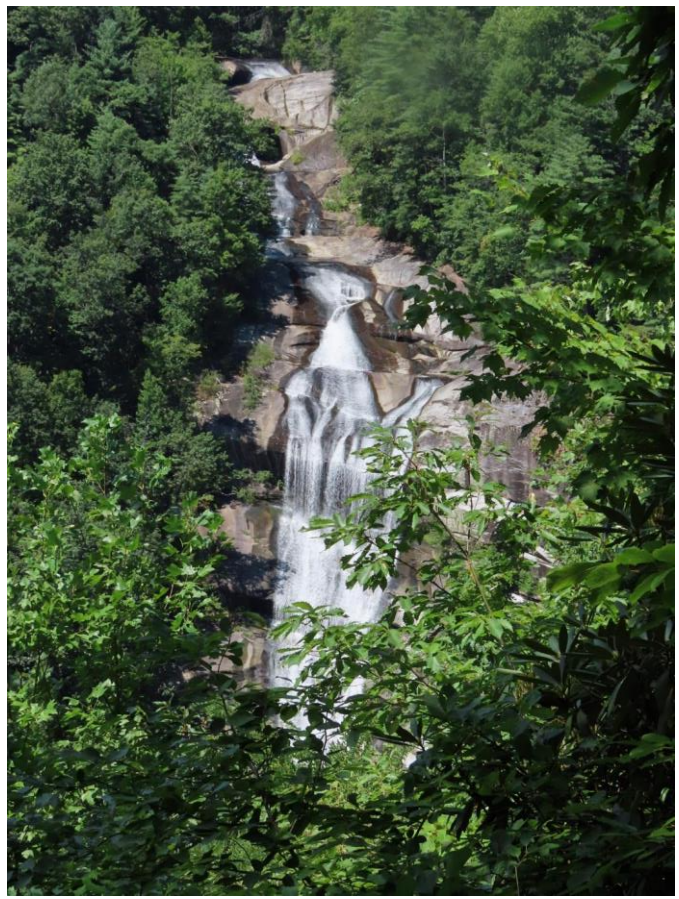


L: An American Giant Millipede (*Narceus americanus*) and a Brown-Hooded Cockroach (*Cryptocercus punctulatus*) trapped in pooling resin. R: Sawtooth Oak (*Quercus acutissima*) (Lee Morris)



Tom Austin has weird bootlaces! (Lee Morris)





*L: Southern Lobelia? (Lobelia amoena) (Lee Morris). R: Lower Whitewater Falls (Todd Johnston)*



*Whitewater River (Lee Morris)*



# Pacolet River Heritage Preserve

Pacolet, SC  
Spartanburg County, SC

Saturday September 23, 2023  
10:30am



Pacolet River Heritage Preserve sits along the Pacolet River in Spartanburg County. It sits in the Broad River tributary. The 278-acre site contains 2 Native American Soapstone quarries. Dating back to 3,000 to 1,100 BC in the Late Archaic period, the Cherokee and Catawba used this area during migration from the coast to the uplands.

Soapstone is a metamorphic rock consisting mainly of talc giving the rock a soapy feel. Depending on the amount of talc and other minerals it was formed with produces a rock for carving or more hard surfaces such as our modern counter tops and sinks. Soapstone's properties of carvability, heat resistance, non-absorbing, non-porous and high heat capacity were valuable to carve bowls, smoke pipes and use for boiling stones.

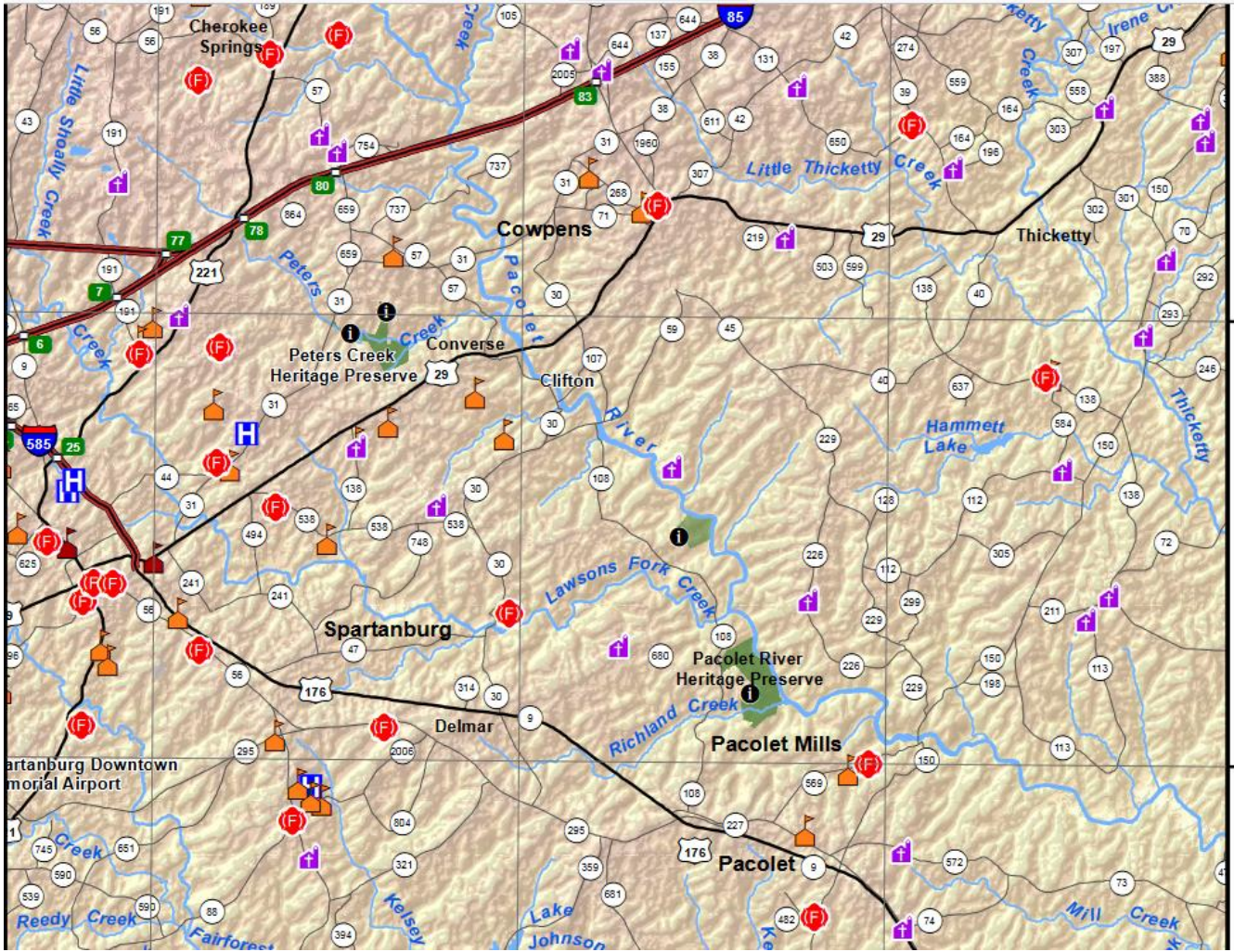
The mix of pine hardwood forests along with Pacolet River and Richland Creek provide a good ecosystem for birds, reptiles, amphibians, mushrooms and less common plants, protected moss and liverwort.

There is a main trail from the parking area to the Pacolet River where you will see an old bridge abatement. The dirt trail is approximately 2 miles in and out. There are a couple of short spur trails to explore. The elevation change from parking area to river is 125'. At SCAN's pace this is an easy trail. Some parts are wide packed roadbed to narrow paths. Please bring bug spray for chiggers and tick protection.

There are no facilities at the location so plan a pit stop accordingly. In the town of Pacolet, there is a Hardees and a Clock restaurant.

Let's explore this alluvial forest!

Rita Zollinger  
Northern Regional Director



From US 176/SC 9, turn (east) onto Bethesda Road (S-42-680). Cross Goldmine Road onto Nature View Lane. At the fork, bear right onto Lucky Lane. Lucky Lane becomes a gravel road. Drive to the end of the road and park in the parking area.

**Location:** 445 Lucky Ln Spartanburg, SC 29302

**Latitude:** 34.931  
**Longitude:** -81.778

**Google maps link** <https://goo.gl/maps/qJqutmXtZUfgUrM2A>



**Lower Whitewater Falls Trail  
Oconee Co., SC  
August 26, 2023**

This list was produced by SCAN from sightings produced by SCAN members and is subject to revision as needed. An asterisk (\*) indicates a new sighting for SCAN. Send any changes or corrections to Kim McManus at [scnaturalists76@gmail.com](mailto:scnaturalists76@gmail.com). Please indicate exactly to which flora/fauna list you are referring in the subject line of your message. Thank you.

**LICHENS**

*Cladonia coniocraea*  
*Cladonia incrassata*  
*Cladonia* sp.  
*Usnea strigosa*  
*Porpidia albocaerulescens*

**FLORA**

**Peat Moss**

*Sphagnum* sp.

**Haircap Moss**

*Polytrichum* sp.

**Fern Moss**

*Thuidium delicatulum*

**Common Running-cedar**

*Diphasiastrum digitatum*

**Southern Grapefern**

*Sceptridium biternatum*

**Bluntlobe Grapefern**

*Sceptridium oneidense*

**Hay-scented Fern**

*Dennstaedtia punctilobula*

**Ebony Spleenwort**

*Asplenium platyneuron*

**Southern Lady Fern**

*Athyrium asplenoides*

**New York Fern**

*Amauropelta noveboracensis*

**Christmas Fern**

*Polystichum acrostichoides*

**Pitch Pine**

*Pinus rigida*

**Eastern White Pine**

*Pinus strobus*

**Virginia Pine**

*Pinus virginiana*

**Eastern Hemlock**

*Tsuga canadensis*

**Heartleaf**

*Hexastylis* sp.

**Tulip-tree**

*Liriodendron tulipifera*

**Fraser Magnolia**

*Magnolia fraseri*

**Sassafras**

*Sassafras albidum*

**Jack-in-the-pulpit**

*Arisaema triphyllum*

**Common Wild Yam**

*Dioscorea villosa*

**Whiteleaf Greenbrier**

*Smilax glauca*

**Indian Cucumber-root**

*Medeola virginiana*

**Downy Rattlesnake-orchid**

*Goodyera pubescens*

**Cranefly Orchid**

*Tipularia discolor*

**Dwarf Crested Iris**

*Iris cristata*

**False Solomon's-seal**

*Maianthemum racemosum*

**Solomon's-seal**

*Polygonatum biflorum*

**Solomon's-seal**

*Polygonatum* sp.

**Common Cattail**

*Typha latifolia*

**Rush**

*Juncus dichotomus*

**Woolly Bulrush**

*Scirpus cyperinus*

**Old-field Broomstraw**

*Andropogon virginicus*

**Hill Cane**

*Arundinaria appalachiana*

**Slender Spikegrass**

*Chasmanthium laxum*

**Open-flower Witchgrass**

*Dichantherium laxiflorum*

**Witchgrass**

*Dichantherium* sp.

**Crab Grass**

*Digitaria* sp.

**Yard Grass**

*Eleusine indica*

**Japanese Stilt-grass**

*Microstegium vimineum*

**Panic Grass**

*Panicum* sp.

**Dolls'-eyes**

*Actaea pachypoda*

**Yellowroot**

*Xanthorhiza simplicissima*

**Sweet Gum**

*Liquidambar styraciflua*

**Witch-hazel**

*Hamamelis virginiana*

**Muscadine**

*Muscadinia rotundifolia*  
*rotundifolia*

**Virginia-creeper**

*Parthenocissus quinquefolia*

**Mimosa**

*Albizia julibrissin*

**Hog-peanut**

*Amphicarpa bracteata*

**Common Partridge-pea**

*Chamaecrista fasciculata*  
*fasciculata*

**Common Sensitive-plant**

*Chamaecrista nictitans nictitans*

**Naked Tick-trefoil**

*Hylodesmum nudiflorum*

**Sericea Lespedeza**

*Lespedeza cuneata*

**Black Locust**

*Robinia pseudoacacia*

**Korean Clover**

*Kummerowia stipulacea*

**Red Clover**

*Trifolium pratense*

**White Clover**

*Trifolium repens*

**Cinquefoil**

*Potentilla* sp.

**Multiflora Rose**

*Rosa multiflora*

**Smooth Blackberry**

*Rubus canadensis*

**Common Dewberry**

*Rubus flagellaris*

**Pennsylvania Blackberry**

*Rubus pensilvanicus*

**Oriental Silverleaf**

*Elaeagnus umbellata*

**Red Mulberry**

*Morus rubra*

**Greenfruit Clearweed**

*Pilea pumila*

**American Chestnut**

*Castanea dentata*

**Sawtooth Oak**

*Quercus acutissima*

**White Oak**

*Quercus alba*

**Scarlet Oak**

*Quercus coccinea*

**Rock Chestnut Oak**

*Quercus montana*

**Red Oak**

*Quercus rubra*

**Black Oak**

*Quercus velutina*



**Mockernut Hickory**  
*Carya tomentosa*

**Tag Alder**  
*Alnus serrulata*

**Yellow Birch**  
*Betula alleghaniensis*

**American Hazelnut**  
*Corylus americana*

**Hearts-a-burstin'-with-love**  
*Euonymus americanus*

**Wood-sorrel**  
*Oxalis* sp.

**Pinweed**  
*Hypericum gentianoides*

**St. Andrew's Cross**  
*Hypericum hypericoides*

**Dwarf St.-John's-wort**  
*Hypericum mutilum*

**Sweet White Violet**  
*Viola blanda*

**Southern Three-lobed Violet**  
*Viola palmata palmata*

**Round-leaf Yellow Violet**  
*Viola rotundifolia*

**Common Blue Violet**  
*Viola sororia*

**Violet**  
*Viola* sp.

**Black Willow**  
*Salix nigra*

**Chamber Bitter**  
*Phyllanthus urinaria urinaria*

**Alternate-leaved Seedbox**  
*Ludwigia alternifolia*

**Common Evening-primrose**  
*Oenothera biennis*

**Eastern Poison Ivy**  
*Toxicodendron radicans radicans*

**Eastern Red Maple**  
*Acer rubrum rubrum*

**Buffalo-nut**  
*Pyrrularia pubera*

**Longbristle Smartweed**  
*Persicaria longiseta*

**Snowy Hydrangea**  
*Hydrangea radiata*

**Flowering Dogwood**  
*Benthamidia florida*

**Alternate-leaf Dogwood**  
*Swida alternifolia*

**Southern Swamp Dogwood**  
*Swida foemina*

**Spotted Touch-me-not**  
*Impatiens capensis*

**American Persimmon**  
*Diospyros virginiana*

**Galax**  
*Galax urceolata*

**Mountain Sweet Pepperbush**  
*Clethra acuminata*

**Pipsissewa**  
*Chimaphila maculata*

**Mountain Laurel**  
*Kalmia latifolia*

**Mountain Doghobble**  
*Leucothoe fontanesiana*

**Sourwood**  
*Oxydendrum arboreum*

**White Rosebay**  
*Rhododendron maximum*

**Sparkleberry**  
*Vaccinium arboreum*

**Blueberry**  
*Vaccinium* sp.

**Large Buttonweed**  
*Diodia virginiana*

**Partridge-berry**  
*Mitchella repens*

**Poorjoe**  
*Hexasepalum teres*

**Morning-glory**  
*Ipomoea* sp.

**Ash**  
*Fraxinus* sp.

**English Plantain**  
*Plantago lanceolata*

**Woolly Mullein**  
*Verbascum thapsus thapsus*

**Virginia Bugleweed**  
*Lycopus virginicus*

**Mazus**  
*Mazus pumilus*

**American Holly**  
*Ilex opaca*

**Southern Lobelia**  
*Lobelia amoena*

**Indian-tobacco**  
*Lobelia inflata*

**Common White Snakeroot**  
*Ageratina altissima*

**Common Ragweed**  
*Ambrosia artemisiifolia*

**Common Elephant's-foot**  
*Elephantopus tomentosus*

**Fireweed**  
*Erechtites hieraciifolius*

**Common Dog-fennel**  
*Eupatorium capillifolium*

**Hyssopleaf Eupatorium**  
*Eupatorium hyssopifolium*

**Eupatorium**  
*Eupatorium* sp.

**Common Heart-leaved Aster**  
*Eurybia divaricata*

**Hollow-stem Joe-pye-weed**  
*Eutrochium fistulosum*

**Purple-node Joe-pye-weed**  
*Eutrochium purpureum purpureum*

**Cudweed**  
*Gamochaeta* sp.

**Brazilian Cat's-ear**  
*Hypochaeris chillensis*

**Spotted Cat's-ear**  
*Hypochaeris radicata*

**Cutleaf Coneflower**  
*Rudbeckia laciniata*

**Licorice Goldenrod**  
*Solidago odora*

**Rough-leaved Goldenrod**  
*Solidago rugosa*

**Goldenrod**  
*Solidago* sp.

**American Aster**  
*Symphotrichum* sp.

**Devil's-walking-stick**  
*Aralia spinosa*

**Sanicle**  
*Sanicula canadensis*

**Snakeroot**  
*Sanicula* sp.

**Small Chanterelle**  
*Cantharellus minor*

**Polypore**  
*Nigroporus vinosus*

**Frost's Bolete**  
*Exsudoporus frostii*

**Painted Slipperycap**  
*Suillus spraguei*

**Voluminous-latex Milky-cap**  
*Lactarius volemus*

**Milkcup**  
*Lactarius* sp.

**Rosy Russula**  
*Russula rosacea*

**Brittle-gill**  
*Russula* sp.

**Chocolate Tube Slime**  
*Stemonitis* sp.

**FAUNA**

**Button Snail**  
*Mesomphix* sp.

**White-lip Globe**  
*Mesodon thyroidus*

**Whitelip**  
*Neohelix albolabris*

**American Giant Millipede**  
*Narceus americanus-annularis*  
complex

**Ray Spider**  
*Theridiosoma radiosa*

**Spiny-backed Spider**  
*Micrathena gracilis*

**White Micrathena**  
*Micrathena mitrata*

**Green-legged Orbweaver**  
*Mangora maculata*

**Orbweaver**  
*Neoscona* sp.

**Triangulate Orbweaver**  
*Verrucosa arenata*

**Carolina Locust**  
*Dissosteira carolina*

**Pinetree Spurthroat G'hopper**  
*Melanoplus punctulatus*



**Wood Cockroach**  
*Cryptocercus punctulatus*

**Wood Roach**  
*Parcoblatta* sp.

**Brown Marmorated Stink Bug**  
*Halyomorpha halys*

**Hemlock Woolly Adelgid**  
*Adelges tsugae*

**Annual Cicada**  
*Tibicen* sp.

**Witch Hazel Cone Gall (aphid)**  
*Hormaphis hamamelidis*

**Braconid Wasp**  
*Apanteles* sp.

**Velvet-ant**  
*Dasymutilla* sp.

**Carpenter Ant**  
*Camponotus* sp.

**Northern Paper Wasp**  
*Polistes fuscatus*

**Bumblebee**  
*Bombus impatiens*

**Red-footed Cannibal-fly**  
*Promachus rufipes*

**Common Whitetail**  
*Plathemis lydia*

**Eastern Tiger Swallowtail**  
*Pterourus glaucus*

**Cloudless Sulphur**  
*Phoebis sennae*

**Little Yellow**  
*Pyrisitia lisa*

**Red-banded Hairstreak**  
*Calycopis cecrops*

**Summer Azure**  
*Celastrina neglecta*

**Silver-spotted Skipper**  
*Epargyreus clarus*

**Long-tailed Skipper**  
*Urbanus proteus*

**Clouded Skipper**  
*Lerema accius*

**Fiery Skipper**  
*Hylephila phyleus*

**Lace-winged Roadside Skipper**  
*Amblyscirtes aesculapius*

**Herpetogramma Moth**  
*Herpetogramma* sp.

**Large Lace-border Moth**  
*Scopula limboundata enucleata*

**Pandora Sphinx Moth**  
*Eumorpha pandorus*

**American Toad**  
*Anaxyrus americanus*

**Southeastern Five-lined Skink**  
*Plestiodon inexpectatus*

**Common Five-lined Skink**  
*Plestiodon fasciatus*

**Eastern Garter Snake**  
*Thamnophis sirtalis*

**Wild Turkey**  
*Meleagris gallopavo*

**Ruby-throated Hummingbird**  
*Archilochus colubris*

**Downy Woodpecker**  
*Dryobates pubescens*

**Hairy Woodpecker**  
*Dryobates villosus*

**Yellow-bellied Sapsucker**  
*Sphyrapicus varius*

**Common Raven**  
*Corvus corax*

**Tufted Titmouse**  
*Baeolophus bicolor*

**Carolina Chickadee**  
*Poecile carolinensis*

**White-breasted Nuthatch**  
*Sitta carolinensis*

**Carolina Wren**  
*Thryothorus ludovicianus*

**Eastern Bluebird**  
*Sialia sialis*

**Brown Thrasher**  
*Toxostoma rufum*

**Cedar Waxwing**  
*Bombycilla cedrorum*

**Red-Eyed Vireo**  
*Vireo olivaceus*

**Northern Waterthrush**  
*Parkesia noveboracensis*

**Northern Cardinal**  
*Cardinalis cardinalis*

**Chipping Sparrow**  
*Spizella passerina*

**House Finch**  
*Haemorhous mexicanus*

**American Goldfinch**  
*Spinus tristis*

**NEW SPECIES**

**Aquarius remigis**  
*Aquarius remigis*

**Flaming Gold Bolete**  
*Aureoboletus auriflammeus*

**Lilac Bolete**  
*Boletus separans*

**Bristle Fly**  
*Cholomyia inaequipis*

**Parasitic Braconid Wasp**  
*Cotesia congregata*

**Moss Bell**  
*Galerina hypnorum*

**Leaf Miner Fly**  
*Homoneura fuscibasis*

**Cynipid Wasp Gall**  
*Kokkocynips rileyi*

**Hygrophorus Milkcap**  
*Lactifluus hygrophoroides*

**Minnow**  
*Leuciscinae* sp.

**Agaric Fungus**  
*Mycetinis opacus*

**Horned Parasitic Cobweaver**  
*Neospintharus trigonum*

**Stonefly**  
*Perlidae* sp.

**Bog Haircap Moss**  
*Polytrichum strictum*

**Dotted Renia Moth**  
*Renia salusalis*

**Grove Earwort**  
*Scapania nemorea*

**Bristly Greenbrier**  
*Smilax tamnoides*

**Stemonitopsis typhina**  
*Stemonitopsis typhina*

**Velvet-footed Pax**  
*Tapinella atrotomentosa*

**Southern Foamflower**  
*Tiarella austrina*

**Wand Mullein**  
*Verbascum virgatum*