# April 2018

Hello everyone.

We found rare plants and a had couple of animal surprises too, on our March trip to Central Savannah River Land Trust's 262-acre Greystone Preserve in southern Edgefield County. SCAN members who participated were Kathy Boyle, Jan Ciegler, Mary Garland Douglass, Harriet Dreier, Caroline Eastman, Tom Jones, Greg Mancini, Chris Manuse, Kim McManus, Greg Ross, Dave Schuetrum, Marcus Sizemore, Alison Smith, and James Wilson.

To start the day we gathered at the preserve's newly completed picnic shelter, constructed on the spot where, decades ago, the home of the former landowner stood. We learned that the recent construction work had in fact unearthed evidence of mid-20<sup>th</sup>-century habitation, including bits of iconic products like Mason jars and Coke bottles. Looking at the artifacts, SCAN members claimed first-hand knowledge of these items!

Leaving the picnic area we followed a path leading south toward Fox Creek, through dense thickets of the non-native plants that are another legacy of human habitation, Japanese Privet (*Ligustrum japonicum*) and Autumn Olive (*Elaeagnus umbellata*). When these gave way to native vegetation though, the not-quite-leafed-out hardwood canopy allowed plenty of sunlight to reach the forest floor, and here we found the flowers of a number of familiar Piedmont species including Green-and-gold (*Chrysogonum virginianum*) and vividly colored Violet Woodsorrel (*Oxalis violacea*).



At about this time the sun came out, and soon we were joined on the trail by a number of small moths and butterflies. One noteworthy butterfly was the Harvester Butterfly (*Feniseca tarquinius*), believed to be the only strictly carnivorous butterfly (as a caterpillar) in the United States.

Continuing downslope we started seeing scattered individuals of the plant we were looking for -



Relict Trillium (*Trillium reliquum*). Interspersed with the similar *T. maculatum*, one of the identifying features of *T. reliquum* is the "beaked" anther, with anther tips extending well beyond the pollen sacs. No botany book would put it this way but Bert fittingly described the anthers as looking "like penguins." Relict Trillium is quite rare nationally (federal status: endangered) and extremely rare and imperiled within the state of South

Carolina (state rank: S1), so the protection of this population on Greystone Preserve is a great

benefit to plant conservation.

Arriving at Fox Creek, Tom Jones immediately spotted another species of interest on the opposite bank. "Water sure looks cold" we warned, but Tom leapt across the creek and confirmed the presence of Leatherwood (*Dirca palustris*), an uncommon shrub of the Piedmont. We soon found additional individuals on our side of Fox Creek (i.e., Greystone), making



this species another conservation achievement for the preserve. As we gathered for lunch on a slope overlooking Fox Creek, someone saw a LouisianaWaterthrush (*Parkesia motacilla*). This New World warbler typically nests near flowing streams, and can be distinguished from the Northern Waterthrush by a broad white eyebrow, plain white throat, and pink legs (all of which were observeed by Greg and Chris). Although not rare, it's a bird not all that frequently seen in South Carolina.

By mid-afternoon we turned away from the creek and began making our way back up the hill. With the weather sunny and warm, we shouldn't have been surprised to come across a snake. This Eastern Rat snake (*Pantherophis alleghaniensis*), was basking in the path, in a 'crinkle-cut' pose. Read more about these frequently encountered but harmless snakes at



http://www.virginiaherpetologicalsociety.com/reptiles/snakes/eastern-ratsnake/blackrat snake.php

We got together for dinner at the BBQ Barn in North Augusta.

Hoping to see everyone at the director's special on May 19th, Parks Mill Shoals!

--Kathy Boyle

Thank you, Kathy, for leading this trip and providing us with a recap of the trip. Our trip this month will be to Sandy Island. SCAN member, Mandy Johnson, will be leading us on a kayak trip to the southern end of Sandy Island. I look forward to seeing you all there!

Lordon Murphy

# Sandy Island Kayak Trip Horry County, April 28, 2018 10:00 AM Launch Time

This month we will be paddling to the southern end of Sandy Island, led by Mandy Johnson. We will need to provide our own boats, paddles, and life preservers. If you do not have a boat, but want to join us, please let me (Gordon) and Kim McManus know as several SCAN members have multiple boats that you can use (see contact information below). Mandy recommends we use a kayak rather than a canoe. Our last trip to Sandy Island was to the northern end of the island and we had only a short time to explore. This trip we will have around four to five hours to explore. Mandy says that we will have an easy two-mile paddle from Wacca Wache Marina and about a mile and a half walk to the Carolina bays on the island where we'll see carnivorous plants. Based on a check of the tide table, we should be paddling with the tide both going to and leaving the island. Plan to get wet and muddy and be prepared for insects. Pack your lunch and plenty of water.

Please note that we want to launch at 10:00, so plan to be there a few minutes early. We will drop the boats at the landing and park the vehicles in the overflow parking ot (about a 500-yard walk). There are port-a-johns at the landing, but no facilities on the island.

The address for the marina is 1950 Wachesaw Rd, Murrells Inlet, SC 29576

33.562130° -79.085558°

**Directions from the intersection of 4<sup>th</sup> Avenue and Main Street in Conway:** Take US 501 south to SC 707 in Socastee. Turn right and go 7.9 miles to Prince Creek Parkway. Go 2 miles and turn right onto Wachesaw Road (S-22-62) and go approximately 0.8-mile to the marina.

**Directions from the intersection of North Fraser Street and Church Street in Georgetown:** Go approximately 20.8 miles on US 17 N. Turn left onto Wachesaw Road and go 2.5 miles to the marina.

Remember, if you do not have a boat, but want to join us, please let me (Gordon) and Kim McManus know as several SCAN members have multiple boats that you can use. Mandy recommends we use a kayak rather than a canoe.

Gordon: agmurphy@hughes.net, 803-447-0547

Kim: mcframpus@gmail.com, 843-708-9901

### Director's Special: South Carolina Native Plant Society Open House at Parks Mill, May 19th

In 2016, the SC Native Plant Society (SCNPS) and the Naturaland Trust purchased, with the aid of a grant from the SC Conservation Land Bank, the Parks Mill Rocky Shoals Spiderlily (*Hymenocallis coronaria*) site on Stevens Creek in McCormick County. This purchase brought under protection the last significant population of this very rare and spectacularly beautiful native plant in South Carolina, second in area only to Landsford Canal State Park on the Catawba River. The lilies share the site with a largely intact, but non-functional water-powered grist mill, featuring late-19th-century turbine technology. The SC Native Plant Society has the challenge of preserving the site for posterity. There has been a keen interest by the public in learning more about this site, so SCNPS is planning an Open House event on the site for the weekend of May 19-20, 2018. I (Kathy) will be there at 10 AM on May 19 to lead a SCAN group.

Visitors will be able to step onto the historic grist mill site and to view the lilies in their full glory. There will be Native Plant Society members present to serve as guides and to answer questions during the hours of 10:00 till 12:00 and 1:00 to 3:00. There will be brief presentations on the lilies' preservation and ongoing efforts to stabilize the historic mill facility.

For more info on the Parks Mill site, go to http://scnps.org/activities/rocky-shoals-spider-lily-preservation-project/

#### Driving directions to the Parks Mill Lilies Site:

This site is located on Stevens Creek where it passes under SC 283. Entrance gate to the site is just to the west of the bridge over Stevens Creek. A temporary sign will be posted at the gate indicating "SCNPS Event".

From Greenville, take US 25 to Greenwood, then take US 221 to McCormick, and continue south on US 221 to Plum Branch. At Plum Branch, take SC 283 1.8 miles to the intersection with William Self Road. The gate to the site will be on the right.

From Columbia, take I-20 towards Augusta to exit 18, where you take SC 19 towards Edgefield. From Edgefield, take US 25 approximately 12 miles north to the intersection with US378. (Do not turn left on SC 283, as the Stevens Creek Bridge is closed). Turn left on US378 and drive to McCormick. In McCormick turn left on US221 and go about 5 miles to Plum Branch. In Plum Branch turn left on SC283 and go to the intersection with William Self Rd. The gate to the site will be on your right.

There is very limited parking at the site, so carpooling may have to be implemented. Arrangements have been made for off-site parking in downtown Plum Branch, with a shuttle vehicle to transport visitors to and from the Parks Mill site. I'll need a head count to better plan our transportation, so please let me know if you are coming (email: <a href="mailto:katherine.boyle@ymail.com">katherine.boyle@ymail.com</a>).

Hope to see you there!

Kathy Boyle

SCAN Western Regional Director

Cell: 803-603-6466

#### 2018 Trip Schedule

- Feb 24 Winter Tree ID led by Ron Lance (location TBD) North
- Mar 24 Greystone Preserve, GA West
- Apr 14 Directors Special, Pinnacle Falls North
- Apr 28 Sandy Island East
- May 19 Directors Special, Parks Mills Shoals West
- May 26 Francis Marion (Hell Hole) South
- Jun 23 Lynchburg Savanna Heritage Preserve Central
- Jul 28 Little White Oak Mountain, NC North
- Aug 25 Sassafras Mountain North
- Sep 22 Strawberry Chapel HP South
- Oct 13 2019 Planning Meeting
- Oct 27 Ark Lodge/Woodbury HP East
- Nov 10 Fork Swamp Trail, CNP Central
- Dec 15 Bear Branch HP West
- Jan 26, 2019 Annual Meeting

## **Greystone Preserve** Aiken Co., SC March 24, 2018

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 Tom Jones at prestoea@gmail.com. Please indicate exactly to which flora/fauna list you are referring. Thank you.

#### **FLORA**

**Ebony Spleenwort** 

Asplenium platyneuron

**Sensitive Fern** 

Onoclea sensibilis sensibilis

**Christmas Fern** 

Polystichum acrostichoides

**Shortleaf Pine** 

Pinus echinata

**Loblolly Pine** 

Pinus taeda

**Eastern Red Cedar** 

Juniperus virginiana virginiana

**Dwarf Palmetto** 

Sabal minor

Wood-rush

Luzula echinata

**Giant Cane** 

Arundinaria gigantea

**River Oats** 

Chasmanthium latifolium

**Two-flower Melic** 

Melica mutica

**Dimpled Trout Lily** 

Erythronium umbilicatum

umbilicatum

**False Garlic** 

Nothoscordum bivalve

**Common Atamasco-lily** 

Zephyranthes atamasca

Straw-lilv

Uvularia sessilifolia

**Mottled Trillium** 

\* Trillium maculatum

**Relict Trillium** 

Trillium reliquum Blue-eyed-grass

Sisyrinchium sp.

Spanish Dagger

Yucca aloifolia

**Curlyleaf Yucca** 

Yucca filamentosa

**Common Greenbrier** 

Smilax rotundifolia

Jackson-brier

Smilax smallii

Little Brown Jug

Hexastylis arifolia

**Lanceleaf Anemone** Anemone lancifolia

Windflower

Anemonella thalictroides

**Kidney-leaf Buttercup** 

Ranunculus abortivus

Nandina

Nandina domestica

May-apple

Podophyllum peltatum

**Short-spurred Corydalis** 

Corydalis flavula

**Sycamore** 

Platanus occidentalis occidentalis

**Sweet Gum** 

Liquidambar styraciflua

Winged Elm

Ulmus alata

Carolina Shagbark Hickory

Carya carolinae -septentrionalis

**Mockernut Hickory** 

Carya tomentosa

**American Beech** 

Fagus grandifolia

White Oak

Ouercus alba

Southern Red Oak

Quercus falcata

Water Oak

Quercus nigra

Cherrybark Oak

Quercus pagoda

Willow Oak

Quercus phellos

Post Oak

Quercus stellata

American Hornbeam

Carpinus caroliniana

American Hop-hornbeam

Ostrya virginiana

**Common Chickweed** 

Stellaria media

St. Andrew's Cross

Hypericum hypericoides

Walter's Violet

Viola walteri

**Quaker Bittercress** 

Cardamine pensylvanica

Wild Radish

Raphanus raphanistrum

Coastal Doghobble

Leucothoe axillaris

**Sparkleberry** 

Vaccinium arboreum

Elliott's Blueberry

Vaccinium elliottii

**Deerberry** 

Vaccinium stamineum

**American Persimmon** 

Diospyros virginiana

**American Alumroot** 

Heuchera americana

**Parsley-piert** 

Aphanes microcarpa

**Parsley Hawthorn** 

Crataegus marshallii

Littlehip Hawthorn

Crataegus spathulata

Taiwanese Photinia

Photinia serratifolia

Five-fingers

Potentilla canadensis

**Black Cherry** 

Prunus serotina serotina

**Honey Locust** 

Gleditsia triacanthos

**Autumn Silverberry** 

Elaeagnus pungens

**Spring Silverberry** Elaeagnus umbellata parvifolia

Leatherwood

Dirca palustris

Flowering Dogwood

Cornus florida

American Mistletoe

Phoradendron leucarpum

leucarpum

Hearts-a-burstin'-with-love

Euonymus americanus

**American Holly** 

Ilex opaca opaca

Supplejack

**Chalk Maple** 

Berchemia scandens

Acer leucoderme

**Box Elder** 

Acer negundo

Winged Sumac Rhus copallinum

**Eastern Poison Ivy** 

Toxicodendron radicans radicans

Chinaberry

Melia azedarach

Violet Wood-sorrel

Oxalis violacea

Southern Carolina Crane's-bill

Geranium carolinianum

carolinianum

Wild Geranium

Geranium maculatum

Carolina Jessamine

Gelsemium sempervirens

**Blue-stars** 

Amsonia tabernaemontana

Eastern Anglepod

Gonolobus suberosus

**Baby Blue-eyes** 

Nemophila aphylla

**Beautyberry** 

Callicarpa americana

Georgia Calamint

Clinopodium georgianum

Lyre-leaf Sage

Salvia lyrata

Common Toadflax

Nuttallanthus canadensis

**Chinese Privet** 

Ligustrum sinense

**Eastern Lousewort** 

Pedicularis canadensis

**Cross-vine** 

Bignonia capreolata

Cleavers

Galium aparine

**Tiny Bluet** 

Houstonia pusilla

Partridge-berry

Mitchella repens

Japanese Honeysuckle

Lonicera japonica

**Coral Honeysuckle** 

Lonicera sempervirens

**Common Elderberry** Sambucus canadensis

Pale Indian-plantain

Arnoglossum atriplicifolium

Green-and-gold

Chrysogonum virginianum

Elephant's-foot

Elephantopus tomentosus

**Facelis** 

Facelis retusa

Veiny Hawkweed

Hieracium venosum

Asiatic Hawk's-beard

Youngia japonica

Devil's-urn

Urnula craterium

Pine-oak Rust

Cronartium quercuum

**FAUNA** 

**Green-striped Grasshopper** 

Chortophaga viridifasciata

**Largid Bug** 

Largus succinctus

**Red Imported Fire Ant** 

Solenopsis invicta

Oak Shothole Leafminer Fly

\* Japanagromyza viridula

**Common Whitetail** 

Plathemis lydia

**Patent-leather Beetle** 

Odontotaenius disjunctus

June Beetle

\* Phyllophaga hirsuta

Flat-headed Baldcypress Borer

Acmaeodera pulchella

**Multicolored Asian Lady Beetle** 

Harmonia axyridis

Eastern Tiger Swallowtail

Papilio glaucus

**Falcate Orangetip** 

Anthocharis midea

Cloudless Sulphur

Phoebis sennae eubule

**Sleepy Orange** 

Abaeis nicippe

Harvester (butterfly) Feniseca tarquinius

Red-banded Hairstreak

Calycopis cecrops

**Pearl Crescent (butterfly)** 

Phyciodes tharos

Anglewing (butterfly)

Polygonia sp.

Carolina Satyr (butterfly)

Hermeuptychia sosybius

Silver-spotted Skipper

Epargyreus clarus

Juvenal's Duskywing

Erynnis juvenalis

Tent Caterpillar

Malacosoma sp.

**Northern Cricket Frog** 

Acris crepitans

Green Anole

Anolis carolinensis

Ground Skink

Scincella lateralis

**Osprey** 

Pandion haliaetus

Wild Turkey (tracks)

Meleagris gallopavo

Downy Woodpecker

Picoides pubescens

Pileated Woodpecker Dryocopus pileatus

**Blue Jav** 

Cyanocitta cristata

Carolina Chickadee

Parus carolinensis

**Tufted Titmouse** 

Baeolophus bicolor

Northern Mockingbird

Mimus polyglottos

White-eyed Vireo Vireo griseus

Yellow-rumped Warbler

Dendroica coronata

Pine Warbler

Dendroica pinus

Louisiana Waterthrush

Seiurus motacilla

**Northern Cardinal** 

Cardinalis cardinalis

Raccoon (tracks)

Procvon lotor

White-tailed Deer (tracks)

Odocoileus virginianus

# Pinnacle Falls Henderson Co., NC April 07, 2018

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#### **FLORA**

Common Running-cedar

Diphasiastrum digitatum

**Shining Clubmoss** 

Huperzia lucidula

**Ebony Spleenwort** 

Asplenium platyneuron

**Christmas Fern** 

Polystichum acrostichoides

**Eastern White Pine** 

Pinus strobus

Virginia Pine

Pinus virginiana

**Eastern Hemlock** 

Tsuga canadensis

Jack-in-the-pulpit

Arisaema triphyllum

Wood-rush

Luzula acuminata

**Eulalia** 

Miscanthus sinensis

Catesby's Trillium

Trillium catesbaei

**Dwarf Crested Iris** 

Iris cristata

**Dwarf Iris** 

Iris verna

Pink Lady's-slipper

Cypripedium acaule

**Downy Rattlesnake-orchid** 

Goodyera pubescens

**Cranefly Orchid** 

Tipularia discolor

**Tulip-tree** 

Liriodendron tulipifera

Fraser Magnolia

Magnolia fraseri

**Sweet-shrub** 

Calycanthus floridus

**Spicebush** 

Lindera benzoin

Sassafras

Sassafras albidum

French Broad Heartleaf

Hexastylis rhombiformis

**Wood Anemone** 

Anemone quinquefolia

Kidney-leaf Buttercup

Ranunculus abortivus

Yellowroot

Xanthorhiza simplicissima

**Bloodroot** 

Sanguinaria canadensis

Witch-hazel

Hamamelis virginiana

**Mockernut Hickory** 

Carya tomentosa

**Common Chinquapin** 

Castanea pumila

White Oak

Quercus alba

**Scarlet Oak** 

Quercus coccinea

Rock Chestnut Oak

Quercus montana

Red Oak

Quercus rubra

**Black Oak** 

Ouercus velutina

**Sweet Birch** 

Betula lenta lenta

**Beaked Hazelnut** 

Corylus cornuta cornuta

**Giant Chickweed** 

Stellaria pubera

St.-John's-wort

Hypericum stragulum

**European Field-pansy** 

Viola arvensis

**Sweet White Violet** 

Viola blanda

Halberd-leaf Violet

Viola hastata

Bird's-foot Violet

Viola pedata

Primrose-leaf Violet

Viola primulifolia

**Round-leaf Yellow Violet** 

Viola rotundifolia

**Dooryard Violet** 

Viola sororia

Silky Willow

Salix sericea

Mouse-ear Cress

Arabidopsis thaliana

Hairy Bittercress

Cardamine hirsuta

Service Comments

**Mountain Sweet Pepperbush** 

Clethra acuminata

**Spotted Wintergreen** 

Chimaphila maculata

**Trailing Arbutus** 

Epigaea repens

**Mountain Laurel** 

Kalmia latifolia

**Mountain Doghobble** 

Leucothoe fontanesiana

**Indian Pipes** 

Monotropa uniflora

Sourwood

Oxydendrum arboreum

White Rosebay

Rhododendron maximum

Galax

Galax urceolata

Silverbell

Halesia tetraptera

Horsesugar

Symplocos tinctoria

Snowy Hydrangea

Hydrangea radiata

**Downy Serviceberry** 

Amelanchier arborea
Wild Strawberry

Fragaria virginiana

Five-fingers

Potentilla canadensis

**Black Cherry** 

Prunus serotina serotina

**Bradford Pear** 

Pyrus calleryana

Multiflora Rose

Rosa multiflora Japanese Spiraea

Spiraea japonica fortunei

**Black Locust** 

Robinia pseudoacacia

**Spring Silverberry** 

Elaeagnus umbellata parvifolia

Alternate-leaf Dogwood

Cornus alternifolia

Flowering Dogwood

Cornus florida **Buffalo-nut** 

Pyrularia pubera

**American Holly** 

Ilex opaca opaca

**New Jersey Tea** 

Ceanothus americanus

**Red Maple** 

Acer rubrum

Smooth Sumac Rhus glabra

**Eastern Poison Ivy** 

Toxicodendron radicans radicans

Gill-over-the-ground

Glechoma hederacea

**Woolly Mullein** 

Verbascum thapsus

**Squawroot** 

Conopholis americana

**Princess Tree** 

Paulownia tomentosa

**Tiny Bluet** 

Houstonia pusilla

**Appalachian Bluet** 

Houstonia serpyllifolia

Partridge-berry

Mitchella repens

Japanese Honeysuckle

Lonicera japonica

**Common Elderberry** 

Sambucus canadensis

Yarrow

Achillea millefolium

**Silverling** 

Baccharis halimifolia

Robin's-plantain

Erigeron pulchellus pulchellus

**Golden Ragwort** 

Packera aurea

Rattlesnake-root

Prenanthes sp.

Asiatic Hawk's-beard

Youngia japonica

**Barometer Earthstar** 

Astraeus hygrometricus

#### **FAUNA**

Hemlock Woolly Adelgid

Adelges tsugae

Oak Shothole Leafminer Fly

Japanagromyza viridula

**Hickory Girdler Beetle** 

Oncideres cingulata

**Eastern Newt** 

Notophthalmus viridescens

Wild Turkey

Meleagris gallopavo

**Mourning Dove** 

Zenaida macroura

Red-bellied Woodpecker

Melanerpes carolinus

**Northern Flicker** 

Colaptes auratus

Pileated Woodpecker

Dryocopus pileatus

Carolina Chickadee

Parus carolinensis

rarus caronnensi.

**Tufted Titmouse** 

Baeolophus bicolor

White-breasted Nuthatch

Sitta carolinensis

Carolina Wren

Thryothorus ludovicianus

**Blue-headed Vireo** 

Vireo solitarius

Red-Eyed Vireo

Vireo olivaceus

**Black-throated Green Warbler** 

Dendroica virens

Pine Warbler

Dendroica pinus

**Northern Cardinal** 

Cardinalis cardinalis

**Eastern Towhee** 

Pipilo erythrophthalmus

**Dark-eyed Junco** 

Junco hyemalis

**American Goldfinch** 

Carduelis tristis

**Eastern Chipmunk** 

Tamias striatus

Golden Mouse (sign)

Ochrotomys nuttalli