

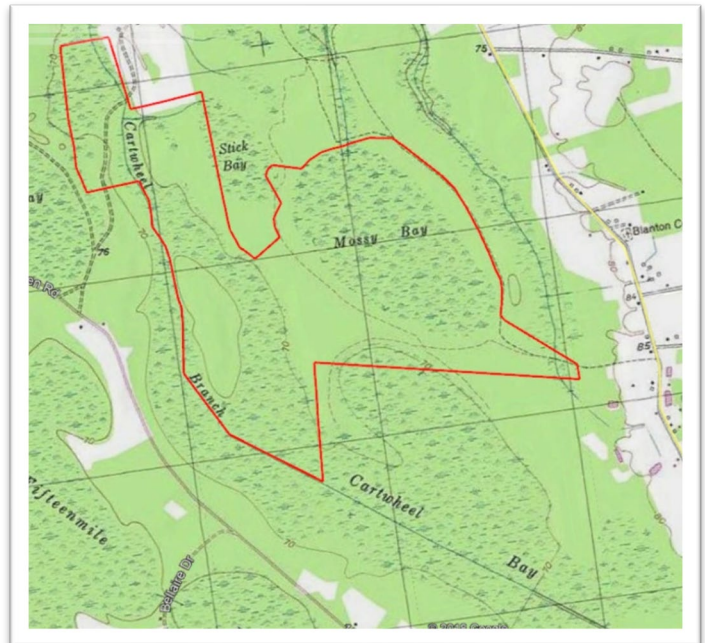


November 2018

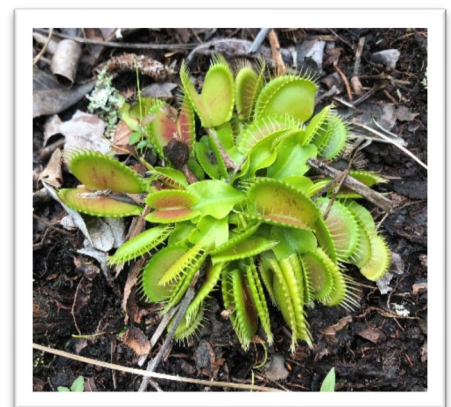
Hello Everyone.

Our plans for last month's trip were changed due to poor road conditions at Woodbury HP/WMA and we visited Cartwheel Bay HP in Horry County instead. Those in attendance were Mary Douglass, Tom Jones, Chris Hill, Marcus Sizemore, Kathy Boyle, and Gordon Murphy. The day started out a little chilly with overcast skies, but by afternoon the sun broke through and it began to warm up. The mosquitoes did not care whether the temperature was cool or warm, they were persistent in collecting our blood.

On the drive into the preserve swamp azaleas could be seen in full bloom, which was a surprise since they normally bloom from May through August. We began our day with a stroll along the southeastern edge of Mossy Bay. Mossy Bay is a typical Carolina bay being oval, oriented southeast to northwest, with a well-defined sand rim, and it is completely within the boundary of the Preserve. Mossy Bay is also the headwaters for a small stream that flows out of the northwestern end of the bay. Generally, plants adapted for survival in xeric conditions occur on sand rims of Carolina bays, but there are always exceptions, like the pond pines that are occasionally found there. As explained last month, the vegetation within the bay is too dense to gain access into the bay without a bush axe to clear the way. However, a walk along the edge provides a good view of the vegetative composition. Pond pine, loblolly bay, sweet bay, red bay, and bamboo-vine (*Smilax laurifolia*) are a few of the species that typically occur in this type of bay.



From here, we walked toward the south to the edge of Cartwheel Bay, which is not a true Carolina bay. Instead it is bay forest wetland that contains the typical bay vegetation that borders a stream. According to the USGS topographic map, the stream through Cartwheel Bay is Cartwheel Branch. Just like Mossy Bay, the vegetation was thick and prevented exploration of the interior. Because Cartwheel Bay has a different hydrologic regime than Mossy Bay, we observed pond cypress in the bay forest.



After a short break at the vehicles, we set out through the long-leaf pine flatwoods and long-leaf pine savanna in search of Venus



flytrap. The last time SCAN visited Cartwheel Bay we saw the plants and fortunately I had mapped their location with a handheld GPS unit. Along the way we saw many other wildflowers in bloom, so Mary, Kathy, and Tom took their time along the way to work on the flora list. We found the Venus flytrap and after everyone photo-documented the two small clumps of plants, we began our stroll back to the vehicles. The walk out of the long-leaf pine savanna were observed many more “confused” wildflowers in bloom.



The stroll back to the cars took us down a section of dirt road that follows the southwestern edge of Mossy Bay. Here we saw even more plants in bloom including lamb-kill (*Kalmia angustifolia*) that normally blooms April to early June!

Our trip to Cartwheel Bay was both enjoyable and productive. Just check out the flora and fauna list for proof!

This month we will be visiting Congaree National Park to hike along Fork Swamp Trail on November 10<sup>th</sup>. Fork Swamp Trail is the newest trail to be established at the park. I look forward to seeing you all there!

*Gordon Murphy*

**Fork Swamp Trail, Congaree National Park  
Richland County, SC  
Saturday November 10, 2018, 10:30AM**

**Fork Swamp Trail (#9)** [From the National Park website]  
Distance: 0.6 miles

The park's newest trail, which was opened in late 2017, provides access to the Fork Swamp area of the park. The trail runs alongside a narrow section of Bates Old River, a large oxbow lake created by a hurricane in 1852.

Our November trip will take us to back to Congaree National Park. However, we will get to explore another of the new trails in recently acquired land: Fork Swamp. The area has a relatively short trail and an old logging road. As is true of most of Congaree Swamp, there are lots of interesting areas to explore off the trail. If we're lucky, the trail and road will be mostly dry. But, if you want to fully explore the area, be prepared to get your feet wet. There are otters in the area; November should be a good time to see them.

Meet at 10:30 at the small parking area at the entrance. A few cars can park in this lot; most will need to park on the entrance road. Be sure to allow space for cars to turn around and possibly leave early as needed. Be prepared for lunch on the trail; there are no convenient picnic areas. There are no restrooms.

Participants will select a restaurant for dinner. Big T in Gadsden has great BBQ and limited other options. It's convenient for Columbia participants. Calhoun House of Pizza has a more varied menu and is probably more convenient for coastal folks.

James Wilson posted a nice description and map on GaiaGPS for a spring visit: <https://www.gaiagps.com/public/Rw7CbDd78PHR5p3wnrwPySA5/?layer=CalTopo>

**Directions to Fork Swamp Trail:**

The trail entrance is on US 601 just north of the Congaree River. Select your favorite route to get to US 601. From Charleston Interstate 26 to the 601 north exit would work. From Columbia, take Sumter Highway [US 378] to 601 south.

The trail access road is just north of the Congaree River Bridge and boat ramp. Unfortunately, there is no marker for the trail on US 601. The dirt access road is directly across 601 from the parking area for the Congaree River Ferries historical marker. Take the road down to a small parking lot and park along the access road or in the lot. There is a sign once you have reached the trailhead. Lat/long for the historical marker is at the end of this description if you want to use that location.

If you turn at the nice trail marker on 601 you will get to the trailhead for the Bates Ferry Trail. This is a great trail but not the one SCAN has selected for this month's trip.

**Directions to Big T Bar-B-Que** [2520 Congaree Rd, Gadsden, SC 29052]:

Get on US 601 North. Go north. Turn left at SC 48, Bluff Road. Drive about 6 miles. Turn right at Congaree Rd in Gadsden. Drive about 3 miles. Big T is on the left.

**Directions to Calhoun House of Pizza** [721 Harry C Raysor Dr, St Matthews, SC 29135]:

Get on US 601 South. Go south. Go through St. Matthews past SC 6. Calhoun House of Pizza is on the left.

**Information about the Historical Marker:**

**Congaree River Ferries**

Marker ID: SCHM 40-185

Location: on U.S. 601

County: Richland

Coordinates: N 33° 45.781 W 080° 38.533  
33.76301666 -80.64221666

Style: Free Standing <sup>\*\*</sup>

Cartwheel Bay HP  
Horry Co., SC  
October 27, 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](mailto:prestoea@gmail.com). Please indicate exactly to which flora/fauna list you are referring. Thank you.

FLORA

**Foxtail Clubmoss**

*Lycopodiella alopecuroides*

**Cinnamon Fern**

*Osmunda cinnamomea*

**Royal Fern**

*Osmunda regalis spectabilis*

**Bracken**

*Pteridium aquilinum*

**Virginia Chain Fern**

*Woodwardia virginica*

**Longleaf Pine**

*Pinus palustris*

**Pond Pine**

*Pinus serotina*

**Loblolly Pine**

*Pinus taeda*

**Pond-cypress**

*Taxodium ascendens*

**Pineland Yellow-eyed Grass**

*Xyris caroliniana*

**Roseling**

*Cuthbertia rosea*

**Hairy Umbrella-sedge**

*Fuirena squarrosa*

**Fascicled Beaksedge**

\* *Rhynchospora fascicularis*

*fascicularis*

**Woolgrass Bulrush**

*Scirpus cyperinus*

**Carolina Wiregrass**

*Aristida stricta*

**Switch Cane**

*Arundinaria tecta*

**Beaked Panic Grass**

*Panicum anceps*

**Warty Panic Grass**

*Panicum verrucosum*

**Common Little Bluestem**

*Schizachyrium scoparium*  
*scoparium*

**Smut Grass**

*Sporobolus indicus*

**Northern White Colic-root**

*Aletris farinosa*

**Curlyleaf Yucca**

*Yucca filamentosa*

**Tulip-tree**

*Liriodendron tulipifera*

**Sweetbay**

*Magnolia virginiana*

**Swamp Bay**

*Persea palustris*

**Sassafras**

*Sassafras albidum*

**Sweet Gum**

*Liquidambar styraciflua*

**Common Wax-myrtle**

*Morella cerifera*

**Dwarf Wax-myrtle**

*Morella pumila*

**Running Oak**

*Quercus elliotii*

**Bluejack Oak**

*Quercus incana*

**Turkey Oak**

*Quercus laevis*

**Sand Post Oak**

*Quercus margaretta*

**Blackjack Oak**

*Quercus marilandica marilandica*

**Water Oak**

*Quercus nigra*

**Post Oak**

*Quercus stellata*

**Wire-plant**

*Stipulicida setacea setacea*

**Loblolly Bay**

*Gordonia lasianthus*

**St. Andrew's Cross**

*Hypericum crux-andreae*

**Mountain Bushy St.-John's-wort**

*Hypericum densiflorum*

**St. John's-wort**

*Hypericum galioides*

**St. Andrew's Cross**

*Hypericum hypericoides*

**St.-John's-wort**

*Hypericum stragulum*

**Sweet Pitcherplant**

*Sarracenia rubra rubra*

**Venus Flytrap**

*Dionaea muscipula*

**Dwarf Sundew**

*Drosera brevifolia*

**Coastal Sweet Pepperbush**

*Clethra alnifolia*

**Coastal Fetterbush**

*Eubotrys racemosa*

**Dwarf Huckleberry**

*Gaylussacia dumosa*

**Dangleberry**

*Gaylussacia frondosa*

**Southern Sheepkill**

*Kalmia carolina*

**Southern Maleberry**

\* *Lyonia ligustrina foliosiflora*

**Shining Fetterbush**

*Lyonia lucida*

**Staggerbush**

*Lyonia mariana*

**Dwarf Azalea**

*Rhododendron atlanticum*

**Creeping Blueberry**

*Vaccinium crassifolium*

**Southern Highbush Blueberry**

*Vaccinium formosum*

**Southern Blueberry**

*Vaccinium tenellum*

**Common Pyxie-moss**

*Pyxidantha barbulate*

**American Persimmon**

*Diospyros virginiana*

**Horsesugar**

*Symplocos tinctoria*

**Ditch-stonecrop**

\* *Penthorum sedoides*

**Eastern Serviceberry**

*Amelanchier canadensis*

**Red Chokeberry**

*Aronia arbutifolia*

**Parsley Hawthorn**

*Crataegus marshallii*

**Black Cherry**

*Prunus serotina serotina*

**Dwarf Indigo-bush**

*Amorpha herbacea herbacea*

**Honesty-weed**

*Baptisia tinctoria*

**Common Sensitive-plant**

*Chamaecrista nictitans nictitans*

**Sericea**

*Lespedeza cuneata*

**Waxweed**

*Cuphea carthagenensis*

**Alternate-leaf Seedbox**

*Ludwigia alternifolia*

**Flowering Dogwood**

*Cornus florida*

**Swamp Tupelo**

*Nyssa biflora*

**Big Gallberry**

*Ilex coriacea*

**Little Gallberry**

*Ilex glabra*

**American Holly**

*Ilex opaca opaca*

**Tread-softly***Cnidocolus stimulosus***Southeastern Noseburn***Tragia urens***Virginia-creeper***Parthenocissus quinquefolia***Muscadine***Vitis rotundifolia rotundifolia***Orange Milkwort***Polygala lutea***Eastern Red Maple***Acer rubrum rubrum***Winged Sumac***Rhus copallinum***Poison Oak***Toxicodendron pubescens***Eastern Poison Ivy***Toxicodendron radicans radicans***Devil's-walking-stick***Aralia spinosa***Carolina Jessamine***Gelsemium sempervirens***Dawnflower***Stylisma patens***Wild Olive***Osmanthus americanus***Purple-foxglove***Agalinis obtusifolia***Purple-foxglove***Agalinis setacea***Senna Seymeria***Seymeria cassioides***Cross-vine***Bignonia capreolata***Trumpet-creeper***Campsis radicans***Lobelia***Lobelia nuttallii***Partridge-berry***Mitchella repens***Richardia***Richardia brasiliensis***Small-leaved White Snakeroot***Ageratina aromatica***Common Ragweed***Ambrosia artemisiifolia***Savanna Honeycomb-head***Balduina uniflora***Rayless-goldenrod***Bigelovia nudata nudata***Sandhill Chaffhead***Carphephorus bellidifolius***Carphephorus***Carphephorus paniculatus***Maryland Golden-aster***Chrysopsis mariana***Common Dog-fennel***Eupatorium capillifolium***Coastal Dog-fennel***Eupatorium compositifolium***Ragged Eupatorium***Eupatorium pilosum***Common Roundleaf Eupatorium***Eupatorium rotundifolium***Savanna Grass-leaved Aster***Eurybia paludosa***Flat-topped Goldenrod***Euthamia caroliniana***Beaked Hawkweed***Hieracium gronovii***Woodland Lettuce***Lactuca floridana***Blazing-star***Liatris sp.***Grass-leaved Golden-aster***Pityopsis graminifolia latifolia***Blackroot***Pterocaulon pycnostachyum***Toothed White-topped Aster***Sericocarpus asteroides***White-topped Aster***Sericocarpus tortifolius***Rosinweed***Silphium compositum***Licorice Goldenrod***Solidago odora odora***Rough-leaved Goldenrod***Solidago rugosa***Eastern Silvery Aster***Symphyotrichum concolor concolor***Starved Aster***Symphyotrichum lateriflorum***Frost Aster***Symphyotrichum pilosum pilosum***Ironweed***Vernonia angustifolia angustifolia***FAUNA****Crab-shaped Spiny-back***Gasteracantha cancriformis***Katydid***Microcentrum sp.***Green Stink Bug***Chinavia hilaris***Blueberry Stem Gall (wasp)***Hemadas nubilipennis***Gallon-nipper Mosquito***Psorophora ciliata***Yellow-shouldered Slug***\* Lithacodes fasciola***Southern Toad***Anaxyrus terrestris***Ground Skink***Scincella lateralis***Turkey Vulture***Cathartes aura***Yellow-billed Cuckoo***Coccyzus americanus***Red-bellied Woodpecker***Melanerpes carolinus***Northern Flicker***Colaptes auratus***American Crow***Corvus brachyrhynchos***Carolina Chickadee***Parus carolinensis***White-breasted Nuthatch***Sitta carolinensis***Brown-headed Nuthatch***Sitta pusilla***Carolina Wren***Thryothorus ludovicianus***Golden-crowned Kinglet***Regulus satrapa***Gray Catbird***Dumetella carolinensis***Pine Warbler***Dendroica pinus***Northern Cardinal***Cardinalis cardinalis***White-tailed Deer (tracks)***Odocoileus virginianus*