



SCAN *South Carolina Association of Naturalists*
Post Office Box 5651, Columbia, South Carolina 29250-5651

May 2019

Hello Fellow SCAN Members!

We had a fantastic turnout for our April trip to Forty Acre Rock Heritage Preserve. We even had several first-time trippers!

Jerry Bright	Ron Ahle	Lee Morris	Jim Boylston	Cliff Sizemore
Tom Jones	Angela Valvasori	Carol Gist	Dave Kastner	Kathy Boyle
Mary G Douglass	Hugh Martin	Marilyn Brown	Marty Kastner	Kim McManus
Charlie Williams	Jan Ciegler	Sam Pratt	Ruth Nicolson	Paul Kalbach
Ben Gregory	Greg Ross	Eva Pratt	Charles Nicolson	Rita Zollinger
Dave Schuetrum	Chris Manuse	Kate Hartley	Marcus Sizemore	

After a round of introductions and our briefing by Rita Zollinger in the upper parking lot, we headed out into the Heritage Preserve. After a short walk through the pine forest, we reached 14 acres of exposed rock. The granite outcrop was the first stop for most of the group. We quickly discovered that the signature vernal pools were dry, but the vegetation still looked reasonably healthy. The view from the outcrop encompassed both Sandhills and Piedmont regions as the site is near the boundary of the two distinct landforms.

Upon leaving the granite outcrop, the group split into smaller roving parties. Many of us followed trails along small streams that led into a wetland around a very large beaver pond. Many wildflowers were blooming. Lizards, skinks and salamanders were discovered. Summer Tanagers and Red-eyed Vireos filled the air with their song.

The weather was very pleasant, starting off a bit cool and warming up to the mid-70ies during the afternoon. The sun was out most of the day, providing a beautiful dapple of light in the woods.

After a full day of covering the trails that criss-crossed the preserve, we rallied in the parking lot and made our way to Gus's House of Pizza for a well-deserved meal.

Here are a few images from the trip. Clockwise: the group in the parking lot, a vernal pool (without any water), Summer Tanager, and a view across the granite outcropping.



Our May outing is our annual excursion to Hell Hole Swamp in the Francis Marion National Forest. The diehard campers will kick off the weekend Thursday night and stay through Monday morning. The official trip is our usual Saturday 10:30am to 4:30pm, with a potluck dinner afterwards. There are hotels available nearby for those who wish to make a weekend of it without the hassle of camping out.

We look forward to seeing you!

Kim McManus

Francis Marion National Forest / Hell Hole Swamp

Berkeley County, SC

May 25, 2019 10:30am (Day Trip)

May 23 – 26/27, 2019 (Car Camping)

Cell phone service may be sparse so here are contacts should you need assistance in finding the campground:

Marcus Sizemore _____

Kim McManus _____

On Saturday May 25, SCAN will visit the Francis Marion National Forest. We'll gather at the Hell Hole Road campground at 10:30am. From there, we'll break out into smaller groups for exploration of this vast and diverse area. Options include road cruising for snakes and herps, visiting pitcher plant bogs, scouting Carolina Bays, bird watching, and seeking out unusual wildflowers. Marcus Sizemore has some leads on a few new interesting locations to examine, depending on recent rainfall and river levels.

Potential locations include:

- Guilliard Lake
- Battery Warren Trail
- Palmetto Trail - Swamp Fox Passage - Wadboo Creek Boardwalk (good spot for herps)
- Florida Bay

This will be SCAN's seventh year taking part in the annual 'Under a Low Country Moon' interpretive weekend. Under a Low Country Moon (ULCM) is comprised of a group of naturalists who have met on Memorial Day weekend annually since 2001. The weekend includes lots of road cruising, with stops for on-foot exploration. There are a few ponds and creeks that can be traversed in a kayak or canoe. Evening activities include road cruising, star gazing, s'more eating contests, and, if we're very lucky, musical interludes by several of our talented friends.

ULCM members will start setting up camp on Thursday. The last stragglers don't leave until lunchtime on Monday. Both hotel and rustic camping options are available. The campground is simply a field (mowed by our own Paul Kalbach and Randy McManus (thanks Paul and Randy!)), so plan to pack in and pack out everything you need. The closest hotels are approximately 30 minutes away in Moncks Corner. Feel free to join in the fun for as long as you like!

Dinner:

Due to the remote location of this trip, dinner will be potluck at the campground. Paul Kalbach will be making BBQ for the carnivorously inclined. Please plan to contribute sides or additional dishes. Check out our Facebook page or email Kim McManus to indicate what type of items you'd like to contribute.

A few camp stoves will be available for heating items. Don't forget your coolers as it could be a warm day and we don't want anything to melt or spoil. Ice for drinks will be available.

There are no facilities at the campground, so please plan accordingly. The nearest restroom is ~15 minutes away in Jamestown at the gas station (BP/Kangaroo).

Marcus Sizemore
Southern Regional Director

Directions:

Forest Road 158 / Hell Hole Road

33°10'41.7"N 79°45'59.4"W

33.178249, -79.766493

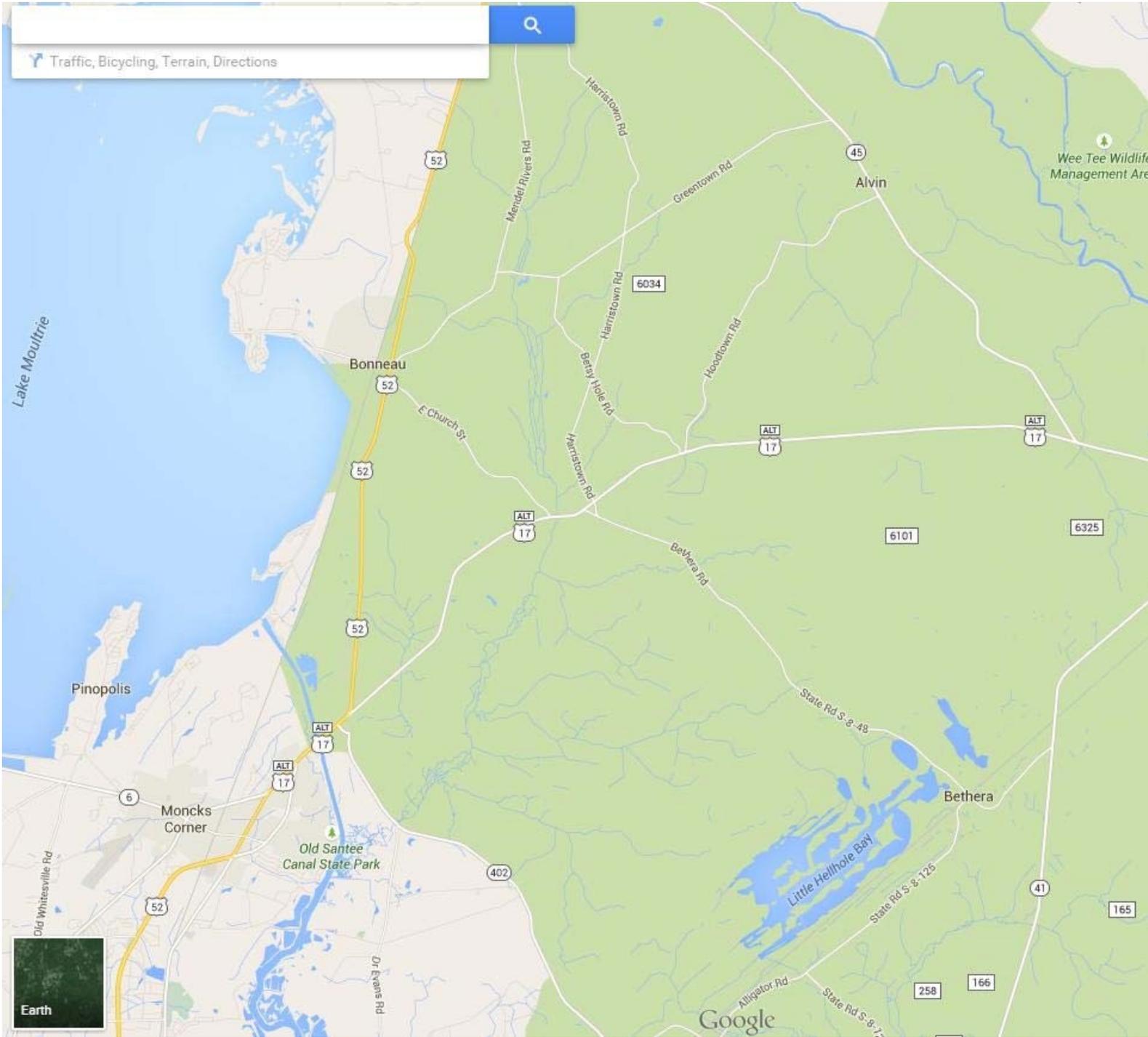
From the Interstate:

1. From 1-26E, take exit 194 towards Road 16 / Jedburg / Pinopolis
2. Turn LEFT on Jedburg Rd and go 5.1 miles.
3. Turn RIGHT on US-176E and go 0.4 miles.
4. Turn LEFT on Black Tom Road / State Road S-8-467 and go 5.7 miles.
5. Keep RIGHT to continue on State Road S-8-413 and go 0.2 miles.
6. Turn LEFT at the 2nd cross street onto US-17 Alt N / South Live Oak Drive and go 5.5 miles.
7. Use the left 2 lanes to turn slightly LEFT onto US-17 Alt N / US-52 W / N US Hwy 52 and go 1.9 miles.
8. Take a slight RIGHT onto US-17 Alt N and go 5.6 miles.
9. Turn RIGHT onto Bethera Road / State Road S-8-48.
10. After 0.2 miles, continue on Bethera Road and go 5.4 miles.
11. Turn RIGHT onto SC-41 S and go 2.5 miles.
12. Turn LEFT onto Hell Hole Road / Forest Road 158.
13. Take the first RIGHT into the campground.

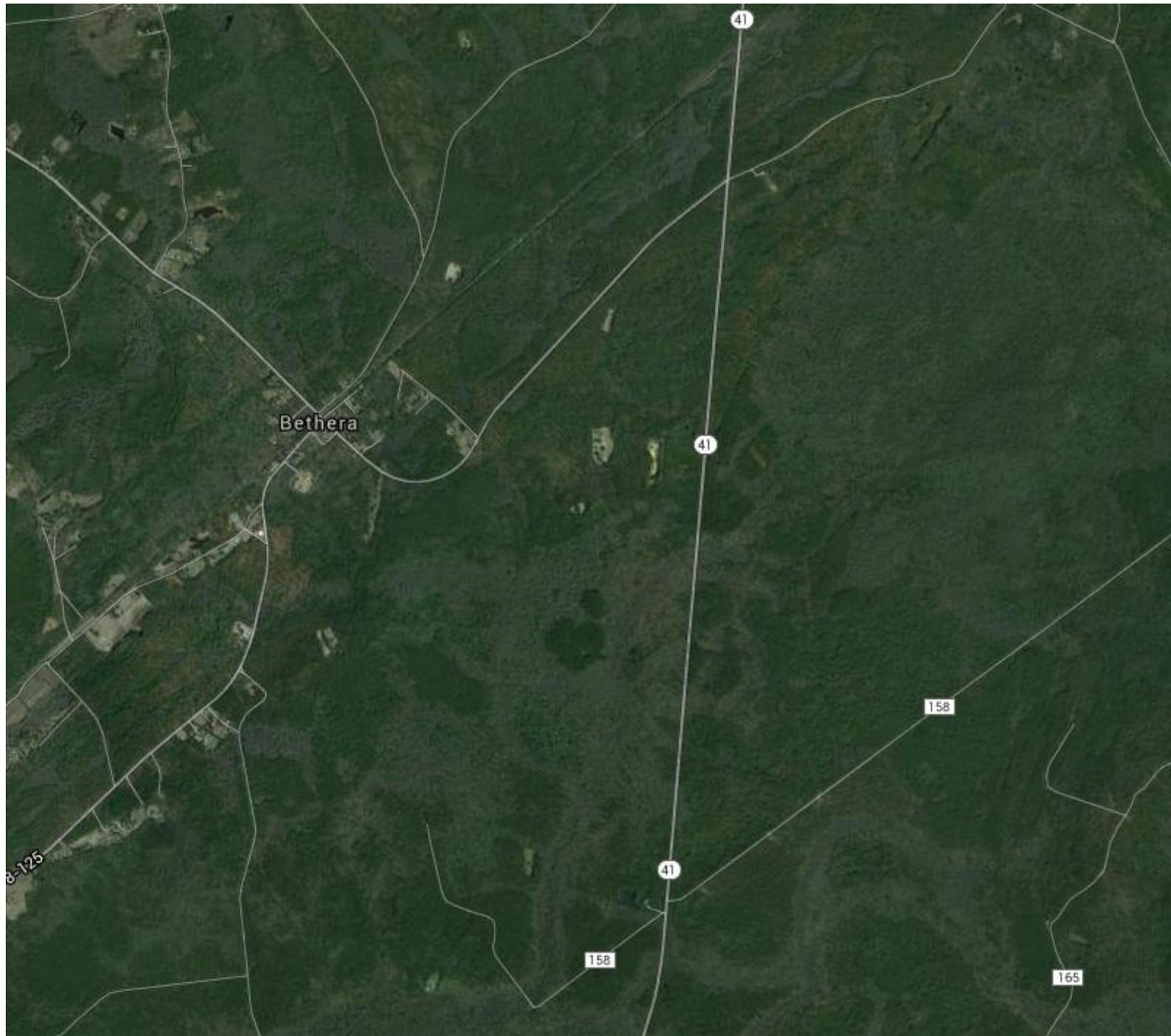
From Charleston, SC to Hell Hole Road, Huger, SC 29450

1. Merge onto US-17 N / Arthur Ravenel Jr Bridge / Septima Clark Pkwy via the ramp to Mt Pleasant
2. At the end of the bridge, stay LEFT to continue on US-17 N / N Hwy 17 and go 7.7 miles.
3. Use the left 2 lanes to turn LEFT onto SC-41 N and go 23.2 miles.
4. Turn RIGHT onto Hell Hole Road / Forest Road 158.
5. Take the first RIGHT into the campground.

Traffic, Bicycling, Terrain, Directions









Google earth

feet 10
meters 3





Google earth

feet
meters





Google earth

feet 8
meters 2





Google earth

feet 400
meters 100



**Forty Acre Rock HP
Lancaster Co., SC
April 27, 2019**

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. _____
Please indicate exactly to which flora/fauna list you are referring. Thank you.

FLORA

Rock Spikemoss

Selaginella rupestris

Quillwort

Isoetes sp.

Rattlesnake Fern

Botrypus virginianus

Southern Grapefern

Sceptridium biternatum

Hairy Lip-fern

Cheilanthes lanosa

Netted Chain Fern

Woodwardia areolata

Ebony Spleenwort

Asplenium platyneuron

Southern Lady Fern

Athyrium asplenoides

Christmas Fern

Polystichum acrostichoides

Resurrection Fern

Pleopeltis polypodioides
michauxiana

Shortleaf Pine

Pinus echinata

Loblolly Pine

Pinus taeda

Eastern Red Cedar

Juniperus virginiana virginiana

Jack-in-the-pulpit

Arisaema triphyllum

Hairy Spiderwort

Tradescantia hirsuticaulis

Silky Oat-grass

Danthonia sericea

Two-flower Melic

Melica mutica

Bahia Grass

Paspalum notatum

Eastern Needlegrass

Piptochaetium avenaceum

Dimpled Trout Lily

Erythronium umbilicatum
umbilicatum

False Garlic

Nothoscordum bivalve

Common Atamasco-lily

Zephyranthes atamasca

Common Stargrass

Hypoxis hirsuta

False Solomon's-seal

Maianthemum racemosum
racemosum

Solomon's-seal

Polygonatum biflorum

Catesby's Trillium

Trillium catesbaei

Blue-eyed-grass

Sisyrinchium sp.

Curlyleaf Yucca

Yucca filamentosa

Catbrier

Smilax bona-nox

Bamboo-vine

Smilax laurifolia

Common Greenbrier

Smilax rotundifolia

Cranefly Orchid

Tipularia discolor

Tulip-tree

Liriodendron tulipifera

Sweet-shrub

Calycanthus floridus

Sassafras

Sassafras albidum

Virginia Snakeroot

Endodeca serpentaria

Little Brown Jug

Hexastylis arifolia

Round-lobed Hepatica

Anemone americana

Virgin's-bower

Clematis virginiana

Sweet Gum

Liquidambar styraciflua

Winged Elm

Ulmus alata

Southern Hackberry

Celtis laevigata

Pignut Hickory

Carya glabra

Sand Hickory

Carya pallida

Mockernut Hickory

Carya tomentosa

White Oak

Quercus alba

Southern Red Oak

Quercus falcata

Sand Laurel Oak

Quercus hemisphaerica

Turkey Oak

Quercus laevis

Overcup Oak

Quercus lyrata

Blackjack Oak

Quercus marilandica marilandica

Rock Chestnut Oak

Quercus montana

Water Oak

Quercus nigra

Post Oak

Quercus stellata

Tag Alder

Alnus serrulata

American Hornbeam

Carpinus caroliniana

Dune Prickly-pear

Opuntia drummondii

Prickly-pear

Opuntia mesacantha mesacantha

Spring-beauty

Claytonia virginica

Appalachian Rock-pink

Phemeranthus teretifolius

Rock Sandwort

Minuartia uniflora

Common Chickweed

Stellaria media

Jumpseed

Persicaria virginiana

Peelbark St.-John's-wort

Hypericum fasciculatum

Pinweed

Hypericum gentianoides

St. Andrew's Cross

Hypericum hypericoides

Halberd-leaf Violet

Viola hastata

Primrose-leaf Violet

Viola primulifolia

Missouri Rockcress

Boechera missouriensis

Spotted Wintergreen

Chimaphila maculata

Sourwood

Oxydendrum arboreum

Wild Azalea

Rhododendron periclymenoides

Sparkleberry

Vaccinium arboreum

Deerberry

Vaccinium stamineum

American Persimmon

Diospyros virginiana

Elf-orpine

Diamorpha smallii

Puck's Orpine

Sedum pusillum

American Alumroot
Heuchera americana

Wild Strawberry
Fragaria virginiana

Five-fingers
Potentilla canadensis

Black Cherry
Prunus serotina serotina

Eastern Redbud
Cercis canadensis canadensis

Naked Tick-trefoil
Desmodium nudiflorum

Northern Sundial Lupine
Lupinus perennis perennis

Flowering Dogwood
Cornus florida

Blackgum
Nyssa sylvatica

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

American Holly
Ilex opaca opaca

Outcrop Rushfoil
Croton willdenowii

Eastern Flowering Spurge
Euphorbia corollata

Southeastern Flowering Spurge
Euphorbia pubentissima

Virginia-creeper
Parthenocissus quinquefolia

Muscadine
Vitis rotundifolia rotundifolia

Eastern Red Maple
Acer rubrum rubrum

Fragrant Sumac
Rhus aromatica aromatica

Winged Sumac
Rhus copallinum

Eastern Poison Ivy
Toxicodendron radicans radicans

Violet Wood-sorrel
Oxalis violacea

Carolina Jessamine
Gelsemium sempervirens

Flatrock Phacelia
Phacelia maculata

Wild Comfrey
Cynoglossum virginianum virginianum

Flatrock Pimpernel
Lindernia monticola

Beautyberry
Callicarpa americana

Lyre-leaf Sage
Salvia lyrata

Common Toadflax
Nuttallanthus canadensis

Southern Beardtongue
Penstemon australis

Fringe-tree
Chionanthus virginicus

White Ash
Fraxinus americana

Chinese Privet
Ligustrum sinense

Southern Oak-leach
Aureolaria pectinata

Downy Oak-leach
Aureolaria virginica

Cross-vine
Bignonia capreolata

Trumpet-creeper
Campsis radicans

Horned Bladderwort
Utricularia cornuta

Venus's Looking-glass
Triodanis perfoliata

Wahlenbergia
Wahlenbergia marginata

Quaker Ladies
Houstonia caerulea

Japanese Honeysuckle
Lonicera japonica

Common Elderberry
Sambucus canadensis

Southern Black Haw
Viburnum rufidulum

Plantain Pussytoes
Antennaria plantaginifolia

Leopard's-bane
Arnica acaulis

Sandhill Chaffhead
Carphephorus bellidifolius

Green-and-gold
Chrysogonum virginianum

Common Dog-fennel
Eupatorium capillifolium

Hollow-stem Joe-pye-weed
Eutrochium fistulosum

Veiny Hawkweed
Hieracium venosum

Spotted Cat's-ear
Hypochaeris radicata

Opposite-leaf Dwarf-dandelion
Krigia cespitosa cespitosa

Virginia Dwarf-dandelion
Krigia virginica

Appalachian Ragwort
Packera anonyma

Coreopsis
Coreopsis sp.

Woolly Ragwort
Packera tomentosa

Grass-leaved Golden-aster
Pityopsis sp.

Rattlesnake-root
Prenanthes sp.

FAUNA

Sulfur-winged Grasshopper
Arphia sulphurea

Eastern Pondhawk
Erythemis simplicicollis

Painted Skimmer
Libellula semifasciata

Citrine Forktail (damselfly)
Ischnura hastata

Snail-eating Ground Beetle
** Scaphinotus unicolor unicolor*

Zebra Swallowtail
Eurytides marcellus

Black Swallowtail
Papilio polyxenes

Eastern Tiger Swallowtail
Papilio glaucus

Spicebush Swallowtail
Papilio troilus

Juniper Hairstreak
Callophrys gryneus gryneus

Henry's Elfin (butterfly)
Callophrys henrici

American Lady (butterfly)
Vanessa virginiensis

Red Admiral
Vanessa atalanta

Common Buckeye (butterfly)
Junonia coenia

Red-spotted Purple (butterfly)
Limenitis arthemis astyanax

Gemmed Satyr (butterfly)
Cyllopsis gemma

Clouded Skipper
Lerema accius

Zabulon Skipper
Poanes zabulon

Fowler's Toad
Anaxyrus fowleri

Cricket Frog
Acris sp.

Green Anole
Anolis carolinensis

Eastern Fence Lizard
Sceloporus undulatus

Six-lined Racerunner
Aspidoscelis sexlineata

Broadhead Skink
Plestiodon laticeps

Eastern Worm Snake
Carphophis amoenus

Eastern Ratsnake
Pantherophis alleghaniensis

Banded Water Snake
Nerodia fasciata

Mississippi Kite
Ictinia mississippiensis

Red-bellied Woodpecker
Melanerpes carolinus

Pileated Woodpecker
Dryocopus pileatus

Great Crested Flycatcher
Myiarchus crinitus

Blue Jay
Cyanocitta cristata

Carolina Chickadee

Parus carolinensis

White-eyed Vireo

Vireo griseus

Yellow-throated Vireo

Vireo flavifrons

Red-Eyed Vireo

Vireo olivaceus

Black-and-white Warbler

Mniotilta varia

Pine Warbler

Dendroica pinus

Hooded Warbler

Wilsonia citrina

Common Yellowthroat

Geothlypis trichas

American Redstart

Setophaga ruticilla

Summer Tanager

Piranga rubra

Raccoon(tracks)

Procyon lotor

White-tailed Deer(tracks)

Odocoileus virginianus