



August 2021

Hello SCAN members!

In July, we congregated in Pickens County to explore Nine Times Preserve and Nine Times Forest. The day started off rainy, with temperatures in the low 80ies. The rain slacked off before we started hiking, but the humidity remained very high and the day stayed quite muggy. Smoke from wildfires out west was visible as a haze on the horizon.



Attendees included:

Adam Bailey	Eric Schaub	Marcie Wedding	Shannon Edwards
Barbara Foster	Hugh Martin	Mary Garland	Stuart Greeter
Becky Brown	Johannes Stratmann	Douglass	Terri Martin
Bill Wedding	Kevin Curtis	Philoma Skipper	Todd Beasley
Caroline Eastman	Lee Morris	Rita Zollinger	Todd Johnston
Claudia Stratmann	Linda Curtis	Ron Lance	Tom Jones

We met in one of several parking lots in the area. Western Regional Director Lee Morris provided an overview of the two natural areas, explaining how the Nature Conservancy and Naturaland Trust work together to maintain the trails that wind through the properties. The characteristics of several trails were discussed, with several members contributing comments about their personal experiences on the trails. The group divided up, with some folks heading to higher elevations and the promise of sweeping vistas. Others chose the Trillium Trail that follows Eastatoee Creek and looked promising for a good bird list. My group chose to explore the Cedar Rock and Appalachian Lumber Trails.

Starting from the parking area at the intersection of E. Preston McDaniel Road and 9 Times Creek Road, we started up a slightly steep trail, stopping often to photograph the flowers and bugs we discovered along the way. Yellow flowers of assorted varieties lined the route. Yellow jackets were plentiful, but thankfully nonaggressive.



L to R: Sunflower, exploring Cedar Rock Trail, Virginia Flower Fly

As we made our way up the trail, the vegetation slowly changed. We finally reached a section with several granite outcrops. These sported mats of moss, cactus, junipers and other plants not seen along the trail. We enjoyed the view for a few minutes, then voted that eating lunch in the shade was a better idea than staying out on the rock.



L to R: Prickly Pear Cactus, Western Honey Bee, pine tree, yucca



L to R: Bee Assassin, overlook, the lunch crew

After lunch, some folks headed back down the trail while the rest of us pushed onward. We wound our way back down towards E. Preston McDaniel Road, passing through hardwoods and walking along the edges of small valleys. As we reached the road, water features became more evident, with small creeks burbling along over the rocks. Various species of ferns lined the trail.

We crossed the road and followed the Appalachian Lumber Trail. The first section crossed Nine Times Creek in several places. Eventually, we left the water behind and enjoyed a nice stroll along a mostly flat trail to wrap up our day.

In August, we'll be exploring Congaree Creek Heritage Preserve and 12,000 Year History Park in Lexington County. Join us for a day full of history and nature.

Kim McManus

Congaree Creek Heritage Preserve and 12,000 Year History Park

Meet in the Congaree Creek Heritage Preserve parking lot at
Old State Road, Cayce, Lexington County, SC 29033 – GPS Coordinates: 33.9427, -81.0325
Saturday, August 28, 2021, 10:30 AM to 4:30 PM

Congaree Creek Heritage Preserve

Bountiful wildlife, sunlit dappled forest paths and 12,000 years of history and pre-history are tucked away in a pristine setting at Congaree Creek Heritage Preserve, just a stone's throw from downtown Columbia city lights. The 627-acre preserve, owned and managed by the S.C. Department of Natural Resources, borders the Congaree River and Cayce, South Carolina. There are NO RESTROOMS in the heritage preserve; just the always available “green latrine.”

Archaeologists have found tools, pottery sherds, arrowheads, and other evidence that people have lived in and around the preserve for nearly 12,000 years. A nearby road that runs through part of the preserve is part of the Old Cherokee Trail which led from the Appalachian Mountains to the coast. Projectile points found in the area indicate it was a Native American gathering place about 10,000 to 12,000 years ago. From a dig on adjacent property owned by SCE&G, there is evidence of people living there 2,500 years ago, as well as a home site from the 1760s.

Guignard Brickworks excavated clay from the property from 1911 to 1944 with peak production during World War I. The remains of the pits where clay was quarried can be found along the preserve's Guignard Brickworks Trail. Hikers can walk an easy 3.25-mile trail loop in about 2 hours and view ponds (which are the long, water filled trenches where clay was previously excavated) that now flourish with duckweed and lily pads and teem with wildlife, (including an occasional, elusive alligator). Seven bridges and one bench recently were added to the trail. The area is also home to a variety of snakes, turtles, bobcats, deer, hogs, hawks, waterfowl, other birds and more than 30 species of amphibians. At one time, this 70-year-old hardwood forest was farmlands.

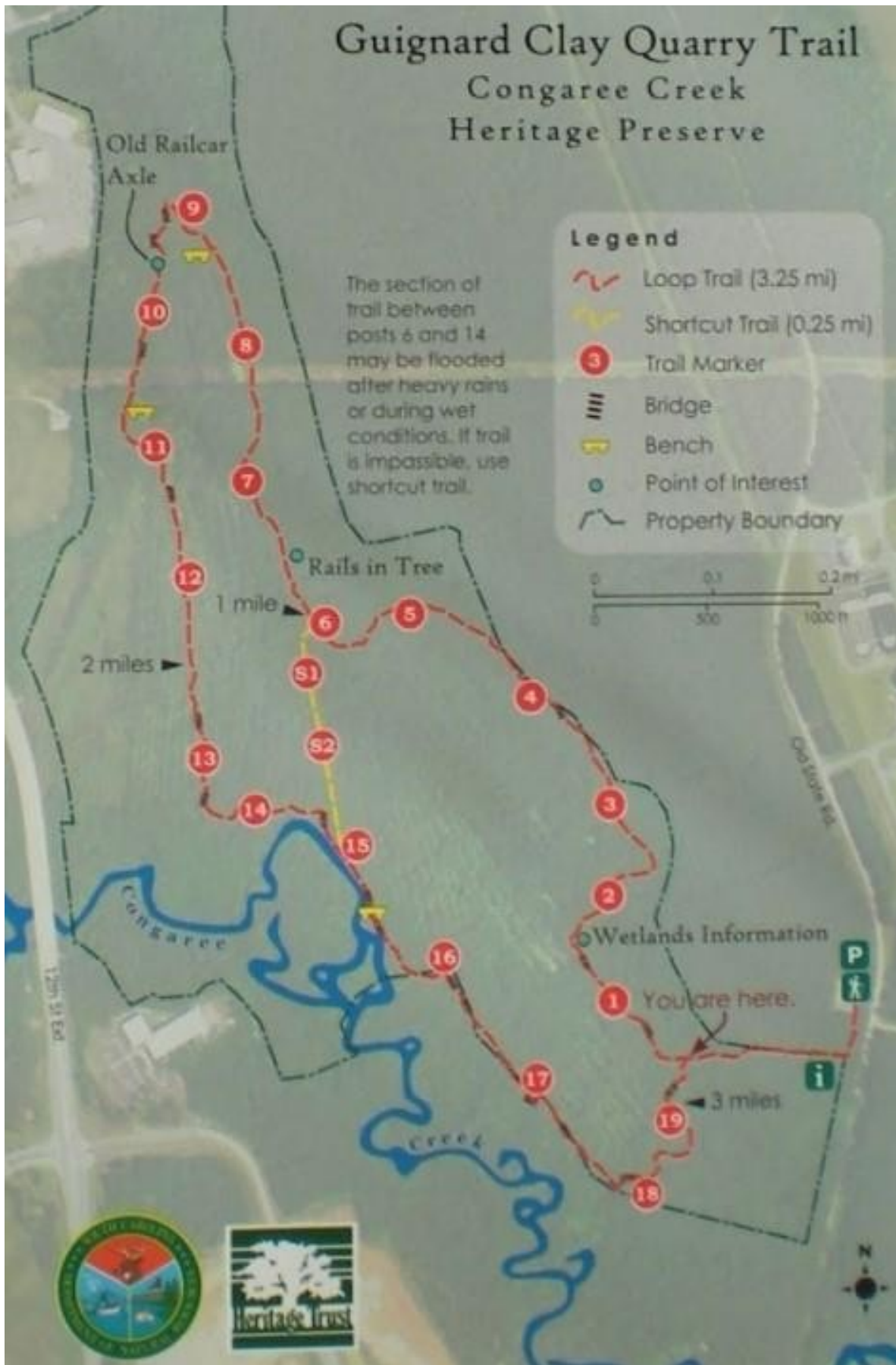
The White House designated the Guignard Brickworks Trail, which runs through part of the preserve, a Community Millennium Trail. This trail, as do dozens of Millennium Trails throughout the nation, reflects community history through natural settings. DNR plans to develop miles of walking and canoe trails through the property, as well as interpretive areas and benches along the way.

12,000 Year History Park (Timmerman Trail)

The 12,000 Year History Park on Congaree Creek in Cayce, South Carolina is a unique, stunningly beautiful 350-acre site full of natural resources and beauty. Within just one square mile, there is proof of 12,000 years of habitation including Civil War and Revolutionary War history. In addition, there are at least 12 archaeological-significant sites on the property. The diversity of cultural and historical richness at the 12,000 Year History Park is significant and unique throughout our local and regional areas as well as the State of South Carolina.

The approximately 2 miles of pathways are paved and wind through the park, crossing Congaree Creek a couple of times. iNaturalist has posted a list of 321 observed species of flora and fauna so there should be plenty for everyone to see. There are NO RESTROOMS in the history park proper; **facilities are available** in the Cayce Tennis and Fitness Center (located at 1120 Fort Congaree Trail), but it is some distance from the hiking trail(s).

Congaree Creek Heritage Preserve Map (DNR)

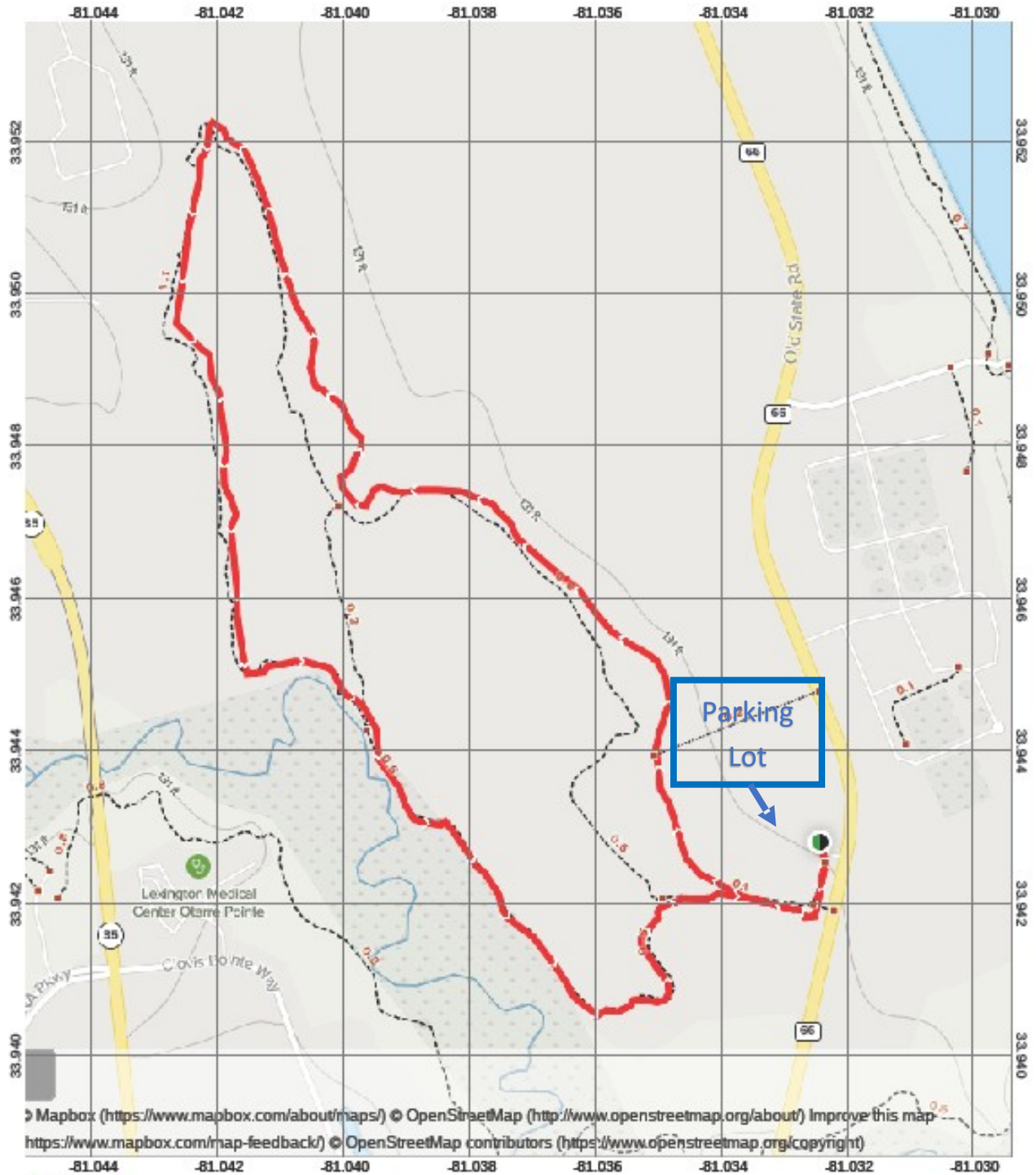


Congaree Creek Heritage Preserve Map (AllTrails)

(red outline is path hiked by AllTrails member)



Guignard Clay Quarry Loop Trail



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7/28/21 7.7°W

Scale 1:7489 Datum WGS84

100 0 100 200 300 400 M 500

0.1 0 0.1 MI 0.2

0 mi 1 mi 1.0 mi 2 mi 2.0 mi 3

175 ft

75 ft

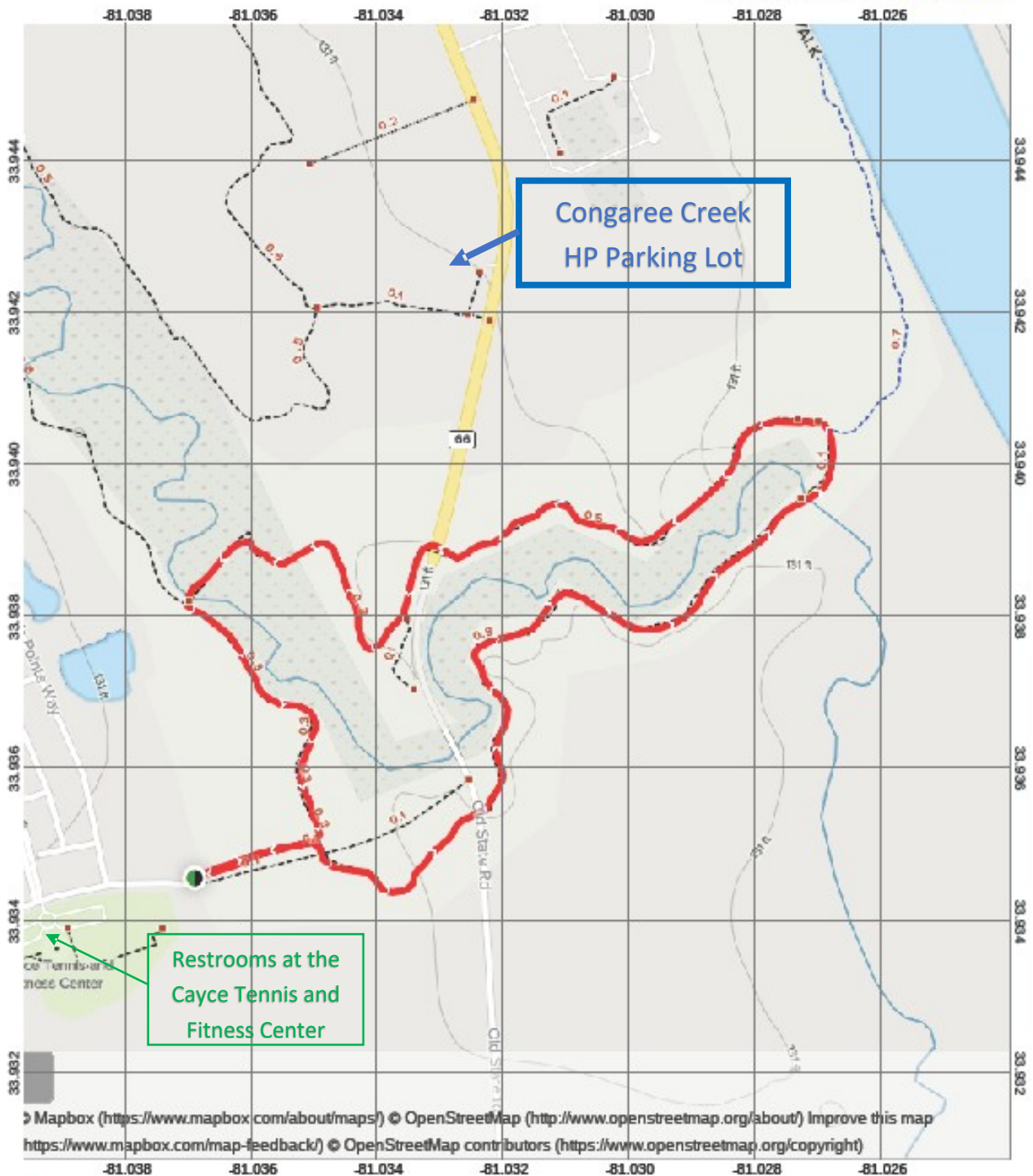
12,000 Year History Park / Timmerman Trail Map (AllTrails)

(red outline is path hiked by AllTrails member)



Timmerman Trail

West Columbia, SC ★★★★★



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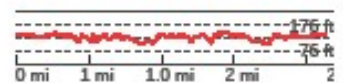


7.7°W
7/28/21

100 0 100 200 300 400 M 500

0.1 0 0.1 MI 0.2

Scale 1:7490 Datum WGS84



Directions to: Congaree Creek Heritage Preserve, Old State Road, Cayce, SC

Parking Lot GPS Coordinates: Latitude 33.9427, Longitude -81.0325

Take I-77 to exit #2, for Cayce and West Columbia, and go north on the 12th Street Extension for approximately 2 miles, then turn right onto Godley Street. Follow this road for about 1/3 mile to where it ends in a "T", then turn right onto New State Road. After about 1/2 mile where the road splits, take the right fork onto Old State Road. Go past the water treatment plant and the heritage preserve parking lot will be on the right, just before the pavement ends.

Access to the 12,000 Year History Park (Timmerman Trail) loop is a short (approximately 1/4 mile) walk only from the Congaree Creek Heritage Preserve parking lot. Exit the heritage preserve parking lot onto Old State Road and turn right (south). Follow the dirt road until it crosses the paved hiking path. This is a loop trail so you can go either left (east) toward the Congaree River in a clockwise loop or right (west) in a counterclockwise loop. The loop trail path will cross Old State Road again farther south and, if desired, Old State Road can be used to return directly to the Congaree Creek Heritage Preserve parking lot by walking north on Old State Road (instead of taking the complete loop trail).

Dinner:

One of our members suggested the South Congaree House of Pizza as a good choice for those who wish to eat after the outing. The restaurant is about 20 minutes away from the heritage preserve and, as do all House of Pizzas, has a varied menu.

South Congaree House of Pizza & Family Restaurant

714 Main St

West Columbia, SC 29170

GPS Coordinates: 33.9141, -81.1338

PH: 803-755-7790

Website (for those who want to view the menu): www.southcongareehouseofpizza.com

Contact:

Dave Kastner

Central Regional Director

**Nine Times Preserve
Pickens Co., SC
July 24, 2021**

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

Haircap Moss

Polytrichum sp.

Windswept Broom Moss

Dicranum scoparium

Common Ground-pine

Dendrolycopodium obscurum

Twisted-hair Spikemoss

Bryodesma tortipilum

Rattlesnake Fern

Botrypus virginianus

Cinnamon Fern

Osmundastrum cinnamomeum

Northern Maidenhair Fern

Adiantum pedatum

Bracken

Pteridium aquilinum

Ebony Spleenwort

Asplenium platyneuron

Sensitive Fern

Onoclea sensibilis

Netted Chain Fern

Lorinseria areolata

Southern Lady Fern

Athyrium asplenoides

Mariana Maiden Fern

Macrothelypteris torresiana

New York Fern

Parathelypteris noveboracensis

Broad Beech Fern

Phegopteris hexagonoptera

Marginal Wood-fern

Dryopteris marginalis

Christmas Fern

Polystichum acrostichoides

Resurrection Fern

Pleopeltis michauxiana

Shortleaf Pine

Pinus echinata

Table Mountain Pine

Pinus pungens

Eastern White Pine

Pinus strobus

Loblolly Pine

Pinus taeda

Virginia Pine

Pinus virginiana

Eastern Hemlock

Tsuga canadensis

Eastern Red Cedar

Juniperus virginiana

Virginia Snakeroot

Endodeca serpentaria

Little Brown Jug

Hexastylis arifolia

Tulip-tree

Liriodendron tulipifera

Cucumber-tree

Magnolia acuminata

Fraser Magnolia

Magnolia fraseri

Common Pawpaw

Asimina triloba

Sweet-shrub

Calycanthus floridus

Spicebush

Lindera benzoin

Sassafras

Sassafras albidum

Jack-in-the-pulpit

Arisaema triphyllum

Common Wild Yam

Dioscorea villosa

Vasey Trillium

Trillium vaseyi

Devil's-bit

Chamaelirium luteum

Perfoliate Bellwort

Uvularia perfoliata

Biltmore Carrionflower

Smilax biltmoreana

Whiteleaf Greenbrier

Smilax glauca

Common Greenbrier

Smilax rotundifolia

Pink Lady's-slipper

Cypripedium acaule

Downy Rattlesnake-orchid

Goodyera pubescens

Small Green Wood Orchid

Platanthera clavellata

Crane-fly Orchid

Tipularia discolor

Dwarf Crested Iris

Iris cristata

Upland Dwarf Iris

Iris verna smalliana

Solomon's-seal

Polygonatum biflorum

Curlyleaf Yucca

Yucca filamentosa

Dayflower

Commelina erecta

Erect Dayflower

Commelina erecta erecta

Tall Nutrush

Scleria triglomerata

Big Bluestem

Andropogon gerardi

Old-field Broomstraw

Andropogon virginicus

Hill Cane

Arundinaria appalachiana

Common Hairgrass

* *Avenella flexuosa*

Common Shorthusk

Brachyelytrum erectum

River Oats

Chasmanthium latifolium

Longleaf Spikegrass

Chasmanthium sessiliflorum

Beaked Panic Grass

Coleataenia anceps

Japanese Stilt-grass

Microstegium vimineum

Redtop

Tridens flavus

Bloodroot

Sanguinaria canadensis

May-apple

Podophyllum peltatum

Common Black-cohosh

Actaea racemosa

Tall Anemone

Anemone virginiana virginiana

Sharp-lobed Hepatica

Hepatica acutiloba

Rue-anemone

Thalictrum thalictroides

Yellowroot

Xanthorhiza simplicissima

Sycamore

Platanus occidentalis

Sweet Gum

Liquidambar styraciflua

Large Witch-alder

Fothergilla major

Witch-hazel

Hamamelis virginiana

Cliff Saxifrage

Micranthes petiolaris petiolaris

Muscadine

Muscadinia rotundifolia rotundifolia

Summer Grape

Vitis aestivalis aestivalis

Virginia-creeper

Parthenocissus quinquefolia

Hog-peanut

Amphicarpaea bracteata

Canada Milkvetch

* *Astragalus canadensis canadensis*

Creamy Wild Indigo*Baptisia bracteata***Roundleaf Tick-trefoil***Desmodium rotundifolium***Naked Tick-trefoil***Hylodesmum nudiflorum***Bicolor Lespedeza***Lespedeza bicolor***Eastern Sensitive-briar***Mimosa microphylla***Kudzu***Pueraria montana lobata***Black Locust***Robinia pseudoacacia***Pencil-flower***Stylosanthes biflora***Virginia Goat's-rue***Tephrosia virginiana***Appalachian Golden-banner***Thermopsis mollis***Appalachian Milkwort***Polygala curtissii***Low Agrimony***Agrimonia microcarpa***Downy Serviceberry***Amelanchier arborea***Sunny Hawthorn**** Crataegus aprica***Little Red Hawthorn**** Crataegus intricata rubella***Mountain Indian-physic***Gillenia trifoliata***Running Five-fingers***Potentilla canadensis***Eastern Wild Black Cherry***Prunus serotina serotina***Allegheny Blackberry**** Rubus allegheniensis***Common Dewberry***Rubus flagellaris***Oriental Silverleaf***Elaeagnus umbellata***New Jersey Tea***Ceanothus americanus***Carolina Buckthorn***Frangula caroliniana***Slippery Elm***Ulmus rubra***Red Mulberry***Morus rubra***False-nettle***Boehmeria cylindrica***Wood-nettle***Laportea canadensis***Common Chinquapin***Castanea pumila***American Beech***Fagus grandifolia***White Oak***Quercus alba***Scarlet Oak***Quercus coccinea***Southern Red Oak***Quercus falcata***Blackjack Oak***Quercus marilandica marilandica***Rock Chestnut Oak***Quercus montana***Water Oak***Quercus nigra***Red Oak***Quercus rubra***Post Oak***Quercus stellata***Black Oak***Quercus velutina***Bush's Oak**** Quercus x bushii***Demare's Oak**** Quercus x demareei***Pignut Hickory***Carya glabra***Sand Hickory***Carya pallida***Mockernut Hickory***Carya tomentosa***Black Walnut***Juglans nigra***Tag Alder***Alnus serrulata***Beaked Hazelnut***Corylus cornuta cornuta***Hearts-a-burstin'-with-love***Euonymus americanus***Pineweed***Hypericum gentianoides***St. Andrew's Cross***Hypericum hypericoides***Dwarf St.-John's-wort***Hypericum mutilum***Low St.-John's-wort***Hypericum stragulum***Tall White Violet***Viola canadensis***Halberd-leaf Violet***Viola hastata***Common Blue Violet***Viola sororia***Walter's Violet***Viola walteri***Yellow Passionflower***Passiflora lutea***Outcrop Rushfoil***Croton willdenowii***Eastern Flowering Spurge***Euphorbia corollata***Southeastern Flowering Spurge***Euphorbia pubentissima***Bicknell's Yellow Flax**** Linum intercursum***Wild Geranium***Geranium maculatum***Alternate-leaved Seedbox***Ludwigia alternifolia***Meadow-beauty***Rhexia mariana***Winged Sumac***Rhus copallinum***Smooth Sumac***Rhus glabra***Poison Oak***Toxicodendron pubescens***Eastern Poison Ivy***Toxicodendron radicans radicans***Eastern Red Maple***Acer rubrum rubrum***Painted Buckeye***Aesculus sylvatica***Appalachian Sandwort***Mononeuria glabra***Common Pokeweed***Phytolacca americana***Appalachian Rock-pink***Phemeranthus teretifolius***Prickly-pear***Opuntia mesacantha mesacantha***Blackgum***Nyssa sylvatica***Smooth Hydrangea***Hydrangea arborescens***Climbing Hydrangea***Hydrangea barbara***Flowering Dogwood***Benthamidia florida***Alternate-leaf Dogwood***Swida alternifolia***Spotted Touch-me-not***Impatiens capensis***Carolina Phlox***Phlox carolina***American Persimmon***Diospyros virginiana***Lanceleaf Loosestrife***Steironema lanceolatum***Sweetleaf***Symplocos tinctoria***Galax***Galax urceolata***Common Silverbell***Halesia tetraptera***Pipsissewa***Chimaphila maculata***Trailing Arbutus***Epigaea repens***Black Huckleberry***Gaylussacia baccata***Appalachian Red Pinesap***Hypopitys lanuginosa***Mountain Laurel***Kalmia latifolia***Mountain Doghobble***Leucothoe fontanesiana***Indian Pipes***Monotropa uniflora*

Sourwood
Oxydendrum arboreum

Flame Azalea
Rhododendron calendulaceum

White Rosebay
Rhododendron maximum

Gorge Rhododendron
Rhododendron minus

Sparkleberry
Vaccinium arboreum

Elliott's Blueberry
Vaccinium elliotii

Hillside Blueberry
Vaccinium pallidum

Large Buttonweed
Diodia virginiana

Wideleaf Bedstraw
Galium latifolium

Quaker Ladies
Houstonia caerulea

Longleaf Bluet
Houstonia longifolia

Summer Bluet
Houstonia purpurea

Partridge-berry
Mitchella repens

Clasping Milkweed
Asclepias amplexicaulis

Butterfly-weed
Asclepias tuberosa

Southern Hound's-tongue
Andersonglossum virginianum

Field Bindweed
* *Convolvulus arvensis*

Catesby's Bindweed
Convolvulus catesbyanus

Wild Sweet Potato
Ipomoea pandurata

Carolina Horse-nettle
Solanum carolinense carolinense

Fringe-tree
Chionanthus virginicus

White Ash
Fraxinus americana

Broad-leaved Plantain
Plantago rugelii

Woolly Mullein
Verbascum thapsus thapsus

Flatrock Pimpernel
Lindernia monticola

Cross-vine
Bignonia capreolata

Trumpet-creeper
Campsis radicans

White Vervain
Verbena urticifolia

Beautyberry
Callicarpa americana

Basil Bergamot
Monarda clinopodia

Mountain-mint
Pycnanthemum incanum

Narrowleaf Skullcap
Scutellaria integrifolia

American Lopseed
Phryma leptostachya

Princess Tree
Paulownia tomentosa

Bearcorn
Conopholis americana

Beechdrops
Epifagus virginiana

Eastern Lousewort
Pedicularis canadensis

American Holly
Ilex opaca

Southern Harebell
Campanula divaricata

Indian-tobacco
Lobelia inflata

Downy Lobelia
Lobelia puberula

Common White Snakeroot
Ageratina altissima

Common Ragweed
Ambrosia artemisiifolia

Plantain Pussytoes
Antennaria plantaginifolia

Common Burdock
Arctium minus

Pale Indian-plantain
Arnoglossum atriplicifolium

Green-and-gold
Chrysogonum virginianum

Woodland Coreopsis
Coreopsis major

Leafy Elephant's-foot
Elephantopus carolinianus

Common Elephant's-foot
Elephantopus tomentosus

Annual Fleabane
Erigeron annuus

Robin's-plantain
Erigeron pulchellus pulchellus

Common Rough Fleabane
Erigeron strigosus strigosus

Common Dog-fennel
Eupatorium capillifolium

Common Roundleaf Eupatorium
Eupatorium rotundifolium

Late Eupatorium
Eupatorium serotinum

Hollow-stem Joe-pye-weed
Eutrochium fistulosum

Purple-node Joe-pye-weed
Eutrochium purpureum purpureum

Woodland Sunflower
Helianthus divaricatus

Small-headed Sunflower
Helianthus microcephalus

Beaked Hawkweed
Hieracium gronovii

Oxeye Daisy
Leucanthemum vulgare

Memminger's Ragwort
Packera x memmingeri

Common Wild Quinine
Parthenium integrifolium integrifolium

Fragrant Rabbit-tobacco
Pseudognaphalium obtusifolium

Black-eyed Susan
Rudbeckia hirta

Cutleaf Coneflower
Rudbeckia laciniata

Toothed White-topped Aster
Sericocarpus asteroides

Rosinweed
Silphium compositum

Rosinweed
Silphium dentatum

Bearsfoot
Smilax uvedalia

Silverrod
Solidago bicolor

Eastern Gray Goldenrod
Solidago nemoralis nemoralis

Licorice Goldenrod
Solidago odora

White Arrowleaf Aster
Symphotrichum urophyllum

Southern Crownbeard
Verbesina occidentalis

Appalachian Ironweed
Vernonia glauca

New York Ironweed
Vernonia noveboracensis

Lion's-foot
Nabalus serpentaria

Rattlesnake-root
Nabalus sp.

Common Elderberry
Sambucus canadensis

Mapleleaf Viburnum
Viburnum acerifolium

Southern Black Haw
Viburnum rufidulum

Devil's-walking-stick
Aralia spinosa

American Lovage
Ligusticum canadense

Sanicle
Sanicula canadensis

Ochre Jelly Club
Leotia lubrica

Yellow Stagshorn
Calocera sp.

Ashen Coral
* *Tremellodendropsis tuberosa*

Golden Chanterelle
Cantharellus cibarius

Cinnabar-red Chanterelle
Cantharellus cinnabarinus

Smooth Chanterelle
Cantharellus lateritius

Vase Fiber-fan*Thelephora vialis***Woolly-toothed Mushroom**** Phellodon tomentosus***Tinder Polypore***Fomes fomentarius***Red-belted Polypore***Fomitopsis ochracea complex***Turkey-tail***Trametes versicolor***Violet-toothed Polypore***Trichaptum bififormis***False Turkey-tail***Stereum ostrea***Shaggy-stalked Bolete***Heimioporus betula***Pale Violet Bitter Bolete**** Tylopilus violatinctus***Indigo Milky***Lactarius indigo***Stalked Puffball-in-aspic***Calostoma cinnabarinum***Lattice Puffball**** Calostoma lutescens***FAUNA****Grand Globe***Mesodon normalis***Crab-shaped Spiny-back***Gasteracantha cancriformis***Spiny-backed Spider***Micrathena gracilis***Bee Assassin Bug***Apiomerus crassipes***Red Imported Fire Ant***Solenopsis invicta***Silky Ant***Formica subsericea***European Hornet***Vespa crabro germana***Eastern Yellowjacket***Vespula maculifrons***Honey Bee***Apis mellifera***Yellowjacket Hoverfly***Milesia virginiana***Dung Beetle***Onthophagus hecate***Scarab Beetle***Macrodactylus subspinosus***Darkling Beetle**** Haplandrus fulvipes***Eastern Tiger Swallowtail***Pterourus glaucus***Spicebush Swallowtail***Pterourus troilus***Monarch***Danaus plexippus***Luna Moth***Actias luna***Eastern Fence Lizard***Sceloporus undulatus***Six-lined Racerunner***Aspidoscelis sexlineata***Turkey Vulture***Cathartes aura***Black Vulture***Coragyps atratus***Broad-winged Hawk***Buteo platypterus***Yellow-bellied Sapsucker***Sphyrapicus varius***Acadian Flycatcher***Empidonax virescens***Blue Jay***Cyanocitta cristata***Blue-headed Vireo***Vireo solitarius***Hooded Warbler***Setophaga citrina***Northern Cardinal***Cardinalis cardinalis***Chipping Sparrow***Spizella passerina***Summer Tanager***Piranga rubra***Eastern Woodrat (nest)***Neotoma floridana***White-tailed Deer (tracks)***Odocoileus virginianus*