



April 2012

Hello Folks,

The spring always brings an abundance of visitors to Stevens Creek but who would have thought that there would have been a Patrick McMillan an outing on the same day sponsored by the Upper Savannah Land Trust? That is exactly our coincidence. Along I-20 we saw signs for Masters Golf traffic directions and expected to see signs for Stevens Creek traffic. It wasn't really that bad and we were able to park only a half block away from the entrance.

The 29 participants from SCAN were Kathy Boyle, Jimmy Boylston, Pat Bright, Jerry Bright, Jan Ciegler, Mary Garland Douglass, Tom Jones, Caroline Eastman, Wayne Grooms, Marsha Hamlin, Robert Hamlin, Phil Harpootlian, Kate Hartley, Kay Hollis, John Hollis, Marty Kastner, Dave Kastner, Jim Knight, Karin Knight, Linda Lee, Greg Mancini, Gordon Murphy, Ruth Nicholson, Charles Nicholson, Nena Powell, Eva Pratt, Sam Pratt, Greg Ross and Quentin Webber

Bob and Marsha Hamlin did an excellent planning job for SCAN visiting Stevens Creek several times before our outing. They are models for all of our regional directors.

In spite of the forecast of 70% chance of rain it was a glorious day. The rain finally came as we were finishing a BBQ dinner at the nearby Sportsman's BBQ. It even broke for our dining departure but plagued us from time to time on our return trip on I-20. We were rewarded with a magnificent rainbow that extended across our travel path.

The preserve was a green wonderland accented with an abundance of wild flowers. Many of the spring ephemerals were past their bloom, many were blooming and many are yet to bloom. Stevens Creek is best enjoyed with multiple visits to enjoy the offerings of the changing floral arrangements on the hillsides.

Pat and I are taking a Master Naturalist class offered by the Clemson University Cooperative Extension Service. We are learning how to recognize and key the flora. My education was furthered today through the tutelage of Sam and Eva Pratt, Tom Jones, Mary Douglas, Quentin Webber and John Hollis.

Pat enjoyed the guiding direction of Linda Lee, Kay Hollis, Jimmy Boylston and Kate Hartley. Jimmy Boylston is a graduate of the Master Naturalist program and it is a delight that he is now a participating member of SCAN. Of course, Linda was the star of her group. In addition to being an excellent botanist, she designed the T-shirt I was wearing for the SC Native Plant Society for their 2009 annual symposium.

There were many highlights from today's outing but for me there was one in particular. For those of you that attended our annual meeting you may remember the talk by Patrick McMillan. He showed a video of a bumblebee pollinating the *Dodecatheon meadia* (shooting star). Only the bumblebee through a process referred to as buzz pollination pollinates it. I was able to see the bumblebees getting pollen and wished to have had more time to record it as a video. Perhaps I could have recorded the released cloud of pollen as his team did. I need to return.

Of particular interest was the sighting of *Delphinium carolinianum* (Prairie Larkspur) a flora that has not been recorded since 1956. It blooms in May and June. I need to return to record its spectacular bloom.

I asked Mary Garland Douglas what was special to her. This is her reply.

“My favorite thing was actually a bee, *Andrena erigeniae*. It's called "Spring Beauty Bee" because it is totally dependent on Spring Beauty pollen to raise its brood. It only flies in spring when the Spring Beauty (*Claytonia virginica*) is blooming (I guess that's obvious). It nests in burrows in the ground, and collects the pollen into little balls to stick in its nest chambers for the larvae to eat. The larvae pupate and metamorphose into adult bees sometime later in the summer, but they stay dormant in the burrows until next year's Spring Beauty comes out. “



This is such a great location for wildflower observation that I personally feel that it should be an annual outing for SCAN. Our usual rule of 5 years before returning to a site should be modified to “not on the same date”. We need to see the nature’s offerings at Stevens Creek at other times. I am biased since this is one of my favorite places. The attendance indicates it is a favorite of all SCAN members. Let me know your thoughts on this.

Our next outing will be Kalmia Gardens. Claudia Rainey leads this and we welcome her returning leadership as a SCAN director. Danny Hill is on the staff at the gardens. Danny has joined us at a couple of our outings at Ark Lodge to help consume the “Low Country Boil”. Kalmia Gardens should be a great visit for all.

Last year I attended the Santee Birding and Nature Festival. We volunteered to lead a paddle trip into the Stumphole Swamp. Unfortunately it conflicts with the SCAN outing and we won’t be able to be with you. Jan Ciegler, our able VP, will sub for me. Below is Claudia’s trip description.

Jerry Bright

April 28, 2012 – Kalmia Gardens in Darlington County

This is going to be a really fun trip. Danny Hill is going to be there, along with the gardens director, Mary Ridgeway. Danny sent me some great maps as well as a plant list for April, and said the following:

"Some neat things in the garden are *Torreya taxifolia*, the most endangered conifer in America, and there is a really nice moss covered log in-between the two boardwalks that usually has a Southeastern slimy salamanders (*Plethodon grobmani*) hanging out. I know of a red shouldered hawks nest as well as a possible Northern Parula nest. The azaleas and camellias are on the way out and *Kalmia latifolia* is on the way in. Also, on April 28th from 9-2 next door at the Joslin Education Center the Darlington Co. Master Gardeners will be having their plant sale."

My own observations are that the gardens have a lot of invasive plants along with some interesting and nice exotics, and some nice native plants too...Buckeyes are in bloom (I think it's *A. pavia*), and gorgeous orange native azaleas. Then of course there is the adjacent Segars-McKinnon Heritage Preserve which we found but did not explore on Saturday. I think that will be more promising for SCAN, most likely.

As usual bring lunch and liquid. There are restrooms.

The directions are as follows:

- From I-20 take exit 116, which is Hwy. 15. Drive North on Hwy. 15 through Bishopville, and after about 14 miles take a left to stay on Hwy. 15.
- Go 6 miles (into Hartsville) and take a left on Carolina Ave.
- Go 2.8 miles to Kalmia Gardens on the right.
- Also, pay close attention when leaving Hartsville, because there is no sign coming from that direction that says to turn right to stay on Hwy. 15.

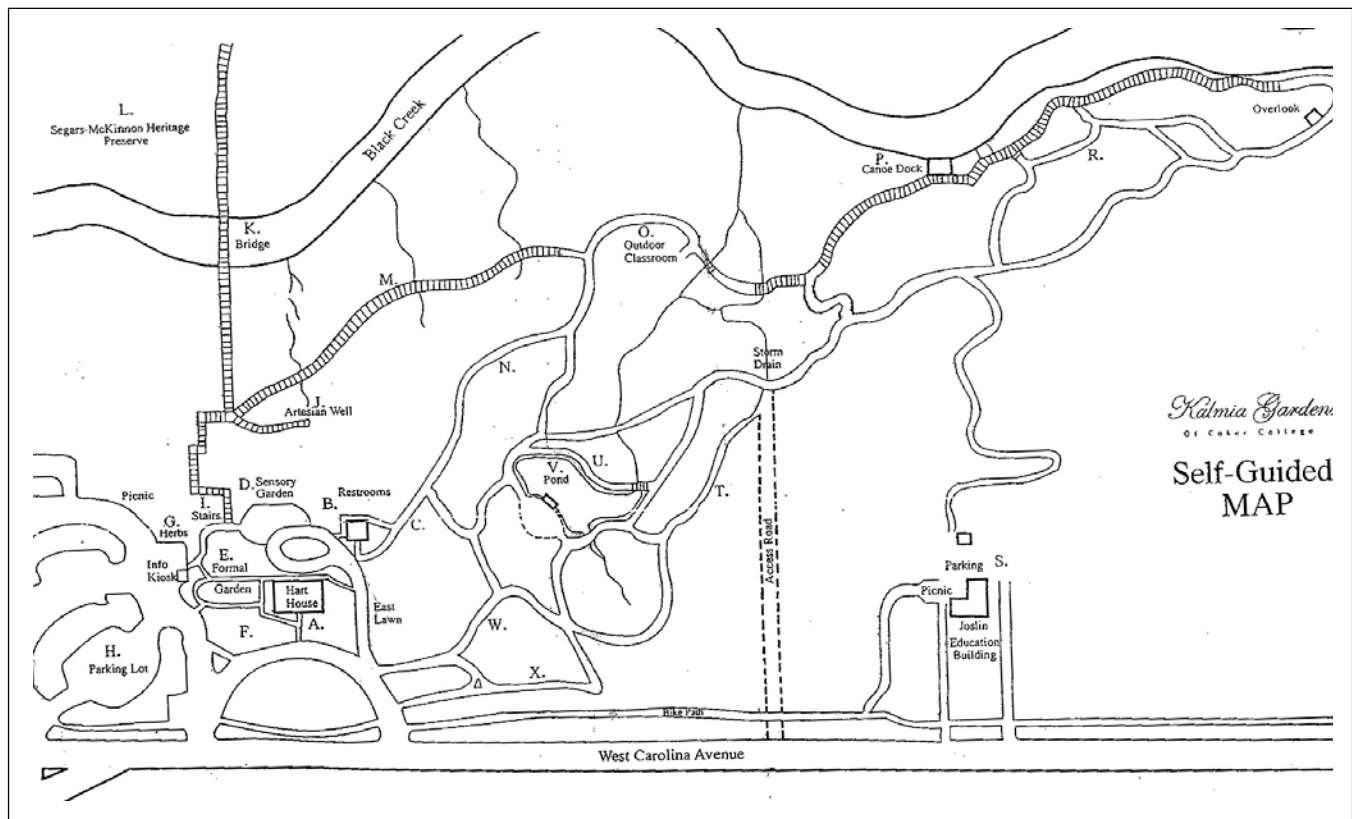
Dining

Danny Hill put together the following list of possibilities:

- Midnight Rooster -really neat, kind of pricey <http://www.midnightrooster.com/>
- Pam's is a BBQ buffet type place <http://www.yelp.com/biz/pams-restaurant-hartsville>
- Westwood, yet another BBQ place http://www.dexknows.com/business_profiles/westwood_bbq-1805881047
- Bizzells restaurant (they have alcohol) <http://www.urbanspoon.com/r/143/919386/restaurant/Florence/Bizzells-Food-Spirits-Hartsville>
- Thai <http://bowthaikitchen.com/>
- Big's Meats and More, this is down 151 and has a big produce store/restaurant/farm museum not far at all, 10 min perhaps <http://www.bigsmeatandmore.com/>

Looking forward to seeing you guys and you getting to meet Malcolm next week...

Claudia



Beautiful Plants of April at Kalmia Gardens

<i>Name</i>	<i>Found</i>	<i>Type</i>
American Holly (<i>Ilex opaca</i>)	Throughout grounds	Flower
Anisetree (<i>Illicium anisatum</i>)	Near pond	Flower
Azalea (<i>Rhododendron indica</i>)	Throughout grounds	Flower
Beech (<i>Fagus grandiflora</i>)	In front of Hart House	Flower
Bladderwort (<i>Utricularia inflata</i>)	Pond	Flower
Blueberry (<i>Vaccinium elliotii</i>)	Near Black Creek	Flower
Blueberry (<i>Vaccinium tenellum</i>)	Near pond	Flower
Camellia (<i>Camellia japonica</i>)	Throughout grounds	Flower
Cross Vine (<i>Anisostichus capreolata</i>)	In treetops throughout grounds	Flower
Devilwood (<i>Osmanthus americanus</i>)	East of grass area on hillside	Flower
Dogwood (<i>Cornus florida</i>)	Throughout grounds	Flower
Dogwood, Double (<i>Cornus florida</i> var. <i>plena</i>)	Near the east entry	Flower
Firethorn (<i>Pyracantha coccinea</i>)	Parking lot	Flower
Florida Anise (<i>Illicium floridanum</i>)	In the purple garden	Flower
Fragrant Ash (<i>Fraxinus cuspidate</i>)	Parking lot	Flower
Fringe Tree (<i>Chionanthus virginicus</i>)	Near east entry	Flower
Heartleaf (<i>Hexastylis arifolia</i>)	Throughout grounds	Flower
Honeysuckle, Coral (<i>Lonicera sempervirens</i>)	Parking lot	Flower
Honeysuckle, Fragrant (<i>Lonicera fragrantissima</i>)	Upper trails, pond area	Flower
Laurel, Cherry (<i>Prunus laurocerasus</i>)	Throughout grounds	Flower
Leatherleaf Mahonia (<i>Mahonia bealei</i>)	East of grass area on hillside	Flower
Lusterleaf Holly (<i>Ilex latifolia</i>)	Near parking lot	Flower
Nellie Stevens Holly (<i>Ilex x Nellie R. Stevens</i>)	East of Hart House	Flower
Oak Trees (<i>Quercus</i> spp.)	Throughout grounds	Flower (Catkins)
Pinxter Flower (<i>Rhododendron periclymenoides</i>)	Upper trails, pond area	Flower
Pomegranate (<i>Punica granatum</i>)	Behind Hart House	Flower
Quince (<i>Chaenomeles japonica</i>)	Around Hart House, trails	Flower
Red Bud (<i>Cercis canadensis</i>)	Throughout grounds	Flower
Spicebush (<i>Lindera benzoin</i>)	Lower trail near classroom	Flower
Spirea, Bridalwreath (<i>Spirea thunberii</i>)	Around Hart House	Flower
Wax Myrtle (<i>Myrica cerifera</i>)	Edge of parking lot	Flower
Yaupon (<i>Ilex vomitoria</i>)	Throughout grounds	Flower
Yellow Jessamine (<i>Gelsemium sempervirens</i>)	Throughout grounds	Flower
Yellow Poplar (<i>Liriodendron tulipifera</i>)	Black Creek floodplain	Flower

Watch the herb garden and the perennial beds as new plants are added and returning plants put out their new foliage and flowers.

Look at the many species of ferns throughout the garden as their new leaves unfurl from the "fiddleheads".

Stevens Creek Heritage Preserve McCormick Co., SC - March 24, 2012

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 Jan Ciegler at jciegler@sc.rr.com. Please indicate exactly to which flora/fauna list you are referring. Thank you.

FLORA

Ebony Spleenwort
Asplenium platyneuron

Lowland Bladder Fern
Cystopteris protrusa

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

Wood-rush
Luzula echinata

Sedge
Carex sp.

Giant Cane
Arundinaria gigantea

Two-flower Melic
Melica mutica

Eastern Needlegrass
Piptochaetium avenaceum

Dimpled Trout Lily
Erythronium umbilicatum umbilicatum

False Garlic
Nothoscordum bivalve

Perfoliate Bellwort
Uvularia perfoliata

Solomon's-seal
Polygonatum biflorum

Catesby's Trillium
Trillium catesbaei

Pale Yellow Trillium
Trillium discolor

Lanceleaf Trillium
Trillium lancifolium

Southern Nodding Trillium
Trillium rugelii

Blue-eyed-grass
Sisyrinchium albidum

Catbrier

Smilax bona-nox

Whiteleaf Greenbrier
Smilax glauca

Common Greenbrier
Smilax rotundifolia

Whorled Wild Yam
Dioscorea quaternata

Cranefly Orchid
Tipularia discolor

Tulip-tree
Liriodendron tulipifera

Yellow Cucumber-tree
* *Magnolia acuminata subcordata*

Southern Magnolia
Magnolia grandiflora

Small-flowered PawPaw
Asimina parviflora

Common Pawpaw
Asimina triloba

Sweet-shrub
Calycanthus floridus

Spicebush
Lindera benzoin

Sassafras
Sassafras albidum

Wild Ginger
Asarum canadense

Virginia Snakeroot
Endodeca serpentaria

Little Brown Jug
Hexastylis arifolia

Round-lobed Hepatica
Anemone americana

Prairie Larkspur
Delphinium carolinianum carolinianum

Isopyrum
Enemion biternatum

Hooked Buttercup
Ranunculus recurvatus recurvatus

May-apple
Podophyllum peltatum

Bloodroot
Sanguinaria canadensis

Short-spurred Corydalis
Corydalis flavula

Dutchman's Britches
Dicentra cucullaria

Sycamore
Platanus occidentalis occidentalis

Witch-hazel
Hamamelis virginiana

Sweet Gum
Liquidambar styraciflua

Winged Elm
Ulmus alata

Slippery Elm
Ulmus rubra

Southern Hackberry
Celtis laevigata

Dwarf Hackberry
Celtis tenuifolia

Red Mulberry
Morus rubra

False-nettle
Boehmeria cylindrica

Dwarf Stinging Nettle
Urtica chamaedryoides

Shagbark Hickory
Carya ovata

American Beech
Fagus grandifolia

White Oak
Quercus alba

Sand Laurel Oak
Quercus hemisphaerica

Swamp Chestnut Oak
Quercus michauxii

Chinquapin Oak
Quercus muehlenbergii

Willow Oak
Quercus phellos

Red Oak
Quercus rubra

Post Oak
Quercus stellata

American Hornbeam
Carpinus caroliniana

American Hop-hornbeam
Ostrya virginiana

Common Pokeweed
Phytolacca americana

Spring-beauty
Claytonia virginica

Common Chickweed
Stellaria media

Giant Chickweed
Stellaria pubera

Jumpseed
Persicaria virginiana

St. Andrew's Cross
Hypericum hypericoides

Mountain Basswood
Tilia americana heterophylla

Dooryard Violet

Viola sororia

Smooth Yellow Forest Violet
* *Viola pennsylvanica*

Yellow Passionflower
Passiflora lutea lutea

Sourwood
Oxydendrum arboreum

Elliott's Blueberry
Vaccinium elliotii

Deerberry
Vaccinium stamineum

Buckthorn Bumelia
Sideroxylon lycioides

Silverbell
Halesia tetraptera

American Snowbell
Styrax americanus

Whorled Loosestrife
Lysimachia quadrifolia

Climbing Hydrangea
Decumaria barbara

Appalachian Mock-orange
Philadelphus inodorus

Miccokuskee Gooseberry
Ribes echinellum

American Alumroot
Heuchera americana

Early Saxifrage
Saxifraga virginicensis

Foamflower
Tiarella cordifolia

Allegheny Hawthorn
* *Crataegus alleghaniensis*

Washington Hawthorn
* *Crataegus phaenopyrum*

Littlehip Hawthorn
Crataegus spathulata

Oneflower Hawthorn
Crataegus uniflora

Wild Crab Apple
Malus angustifolia

Five-fingers
Potentilla canadensis

Black Cherry
Prunus serotina serotina

Eastern Redbud
Cercis Canadensis canadensis

Flowering Dogwood
Cornus florida

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

Virginia-creeper
Parthenocissus quinquefolia

Muscadine
Vitis rotundifolia rotundifolia

Bladdernut
Staphylea trifolia

Chalk Maple
Acer leucoderme

Box Elder
Acer negundo

Red Maple
Acer rubrum

Painted Buckeye
Aesculus sylvatica

Fragrant Sumac
Rhus aromatica aromatica

Eastern Poison Ivy
Toxicodendron radicans radicans

Great Yellow Wood-sorrel
Oxalis grandis

Violet Wood-sorrel
Oxalis violacea

Wild Geranium
Geranium maculatum

Southern Chervil
Chaerophyllum tainturieri

Anise-root
Osmorhiza longistylis

Common Golden-Alexanders
Zizia aurea

Carolina Jessamine
Gelsemium sempervirens

Blue-stars
Amsonia tabernaemontana

Ground-cherry
Physalis sp.

Jacquemontia
Jacquemontia tamnifolia

Baby Blue-eyes
Nemophila aphylla

Appalachian Phacelia
Phacelia dubia dubia

Wild Comfrey
Cynoglossum virginianum virginianum

American Lopseed
Phryma leptostachya leptostachya

Beautyberry
Callicarpa americana

Georgia Calamint

Clinopodium georgianum

Lyre-leaf Sage
Salvia lyrata

Common Toadflax
Nuttallanthus canadensis

Fringe-tree
Chionanthus virginicus

White Ash
Fraxinus americana

Chinese Privet
Ligustrum sinense

Squawroot
Conopholis americana

Cross-vine
Bignonia capreolata

Cleavers
Galium aparine

Partridge-berry
Mitchella repens

Japanese Honeysuckle
Lonicera japonica

Coral Honeysuckle
Lonicera sempervirens

Coralberry
Symphoricarpos orbiculatus

Common Elderberry
Sambucus canadensis

Southern Black Haw
Viburnum rufidulum

Plantain Pussytoes
Antennaria plantaginifolia

Pale Indian-plantain
Arnoglossum atriplicifolium

Facelis
Facelis retusa

Veiny Hawkweed
Hieracium venosum

Virginia Dwarf-dandelion
Krigia virginica

Butterweed
Packera glabella

Roundleaf Ragwort
Packera obovata

Rattlesnake-root
Prenanthes sp.

Tree-ear
Auricularia auricula

FAUNA

White-lip Globe Snail
Mesodon thyroidus

Carolina Scorpion
Vaejovis carolinianus

Largid Bug
Largus succinctus

Six-spotted Tiger Beetle
Cicindela sexguttata

Pedunculate Ground Beetle
Pasimachus depressus

Seed-eating Ground Beetle
Amara cupreolata

Jewel Beetle
Acmaeodera tubulus

Blister Beetle
Lytta aenea

Round-necked Longhorn Beetle
Tilloclytus geminata

Skeletonizing Leaf Beetle
Scelolyperus liriophilus

Pipevine Swallowtail
Battus philenor

Zebra Swallowtail
Eurytides marcellus

Black Swallowtail
Papilio polyxenes

Eastern Tiger Swallowtail
Papilio glaucus

Spicebush Swallowtail
Papilio troilus

Palamedes Swallowtail
Papilio palamedes

Cabbage White (butterfly)
Pieris rapae

Falcate Orangetip
Anthocharis midea

Cloudless Sulphur
Phoebis sennae eubule

Red-banded Hairstreak
Calycopis cecrops

Eastern Tailed-blue (butterfly)
Everes comyntas

American Snout (butterfly)
Libytheana carinenta

Pearl Crescent (butterfly)
Phyciodes tharos

American Lady (butterfly)
Vanessa virginiensis

Red Admiral
Vanessa atalanta

Common Buckeye
Junonia coenia

Gemmed Satyr (butterfly)
Cyllopsis gemma

Horace's Duskywing
Erynnis horatius

Waved Sphinx
Ceratomia undulosa

Alternate Woodling Moth (larva)
** Egira alternans*

Fluid Arches Moth (larva)
** Morrisonia latex*

Fowler's Toad
Anaxyrus fowleri

Bullfrog
Lithobates catesbiana

Green Anole
Anolis carolinensis

Eastern Fence Lizard
Sceloporus undulatus

Five-lined or SE 5-lined Skink
Eumeces sp.

Ground Skink
Scincella lateralis

Red-shouldered Hawk
Buteo lineatus

Wild Turkey
Meleagris gallopavo

Belted Kingfisher
Ceryle alcyon

Red-bellied Woodpecker
Melanerpes carolinus

Downy Woodpecker
Picoides pubescens

Pileated Woodpecker
Dryocopus pileatus

Blue Jay
Cyanocitta cristata

Carolina Chickadee
Parus carolinensis

Tufted Titmouse
Baeolophus bicolor

Brown-headed Nuthatch
Sitta pusilla

Carolina Wren
Thryothorus ludovicianus

White-eyed Vireo
Vireo griseus

Blue-headed Vireo
Vireo solitarius

Northern Parula
Parula americana

Black-and-white Warbler
Mniotilta varia

Yellow-throated Warbler
Dendroica dominica

Pine Warbler
Dendroica pinus

Louisiana Waterthrush
Seiurus motacilla

Northern Cardinal
Cardinalis cardinalis