

Berkeley County:

Berkeley County has developed suburban areas in the southern portion of the county. The northern portion bordering Lake Moultrie and along the Santee River, especially in Francis Marion National Forest, is composed of outer coastal plain flatwoods, Carolina bays, and river flood plain. There are several military sites that also have protected acreage of these ecosystems.



Sites Visited:

Honey Hill Campground	09/28/1996
Little Hellhole Bay and Huger Loop	09/23/2001
Martin-Marietta Quarry	12/13/1997

Honey Hill Campground

Francis Marion National Forest

09/28/1996

Little Hellhole Bay and Huger Loop

Francis Marion Wilderness Areas

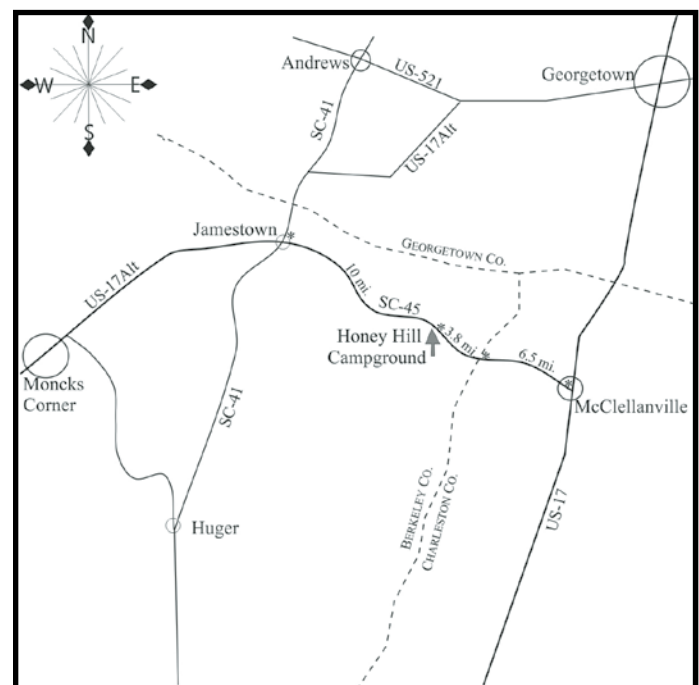
09/23/2001

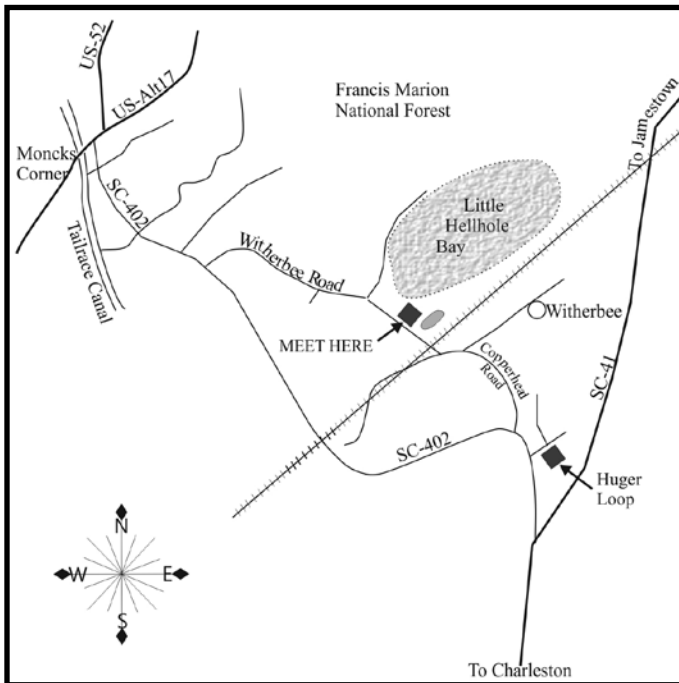
Honey Hill Campground was used for overnight accommodations prior to the Little Hellhole Bay excursion. The habitat is coastal plain flatwoods. There was no study of the plant life but the entomologists in the group set up a light trap. Most of the insects on the flora-fauna list are from this site. The remainder of the list is from the next day including the bay and the flatwoods area near the cemetery. Little Hellhole Bay was accessed by a portion of the Palmetto Trail and old roadbeds. It includes Longleaf Pine forest, a shallow, almost dry Carolina bay and a woodland dominated by American Beech and oaks. The almost dry bay was a bonanza of interesting wetland plants, shorebirds and insects, most of which were dragonflies and damselflies. One highlight was the showy Twelve-spotted Skimmer dragonfly. It is not common near the coast. Butterflies were prevalent as well. The damp areas were popular 'puddling' spots where male butterflies will congregate to obtain moisture and minerals needed to court the lady butterflies.

Directions: Coming from the south on US 17A, watch for SC 402 as soon as you cross the tailrace canal (Cooper River) just north of Moncks Corner. Turn right (east). Coming from the north look for SC 402 on your left just south of the intersection of US 52 and US 17A, but before you cross the tailrace canal. From the intersection of 17A and SC 402 go east approximately 3.5 miles and turn left onto Witherbee Road. Go approximately 5.4 miles and turn left at a forest service

sign "243 Preserve". In approximately 1/8 mile there is parking on the right.

To access the Huger Loop go back to Witherbee Road and turn left. Go approximately 0.9 miles to Copperhead Road on the right. Follow Copperhead until it intersects SC 402. Go left on 402 for about 0.4 miles to Francis Marion Hiking Trail sign on the left. Turn left and watch for the parking area on the right.





Honey Hill Campground,
Francis Marion NF
Berkeley County, SC
September 28, 1996

Little Hellhole Bay and Huger
Loop Trail
Francis Marion WA
Beaufort County, SC
September 23, 2001

FLORA

Cinnamon Fern
Osmunda cinnamomea

Bracken
Pteridium aquilinum

Virginia Chain Fern
Woodwardia virginica

Christmas Fern
Polystichum acrostichoides

Resurrection Fern
Pleopeltis polypodioides
michauxiana

Longleaf Pine
Pinus palustris

Pond Pine
Pinus serotina

Loblolly Pine
Pinus taeda

Yellow-eyed Grass
Xyris jupicai

Creeping Rush
Juncus repens

Narrow-fruit Horned Beaksedge
Rhynchospora inundata

Long-beak Beaksedge
Rhynchospora scirpoides

Tall Nutrush
Scleria triglomerata

Giant Cane
Arundinaria gigantea

Longleaf Spikegrass
Chasmanthium sessiliflorum

Toothache Grass
Ctenium aromaticum

Purple Lovegrass
Eragrostis spectabilis

Warty Panic Grass
Panicum verrucosum

Giant Plume Grass
Saccharum giganteum

Spanish-moss
Tillandsia usneoides

Pickrelweed
Pontederia cordata

Catbrier
Smilax bona-nox

Tulip-tree
Liriodendron tulipifera

Sweetbay
Magnolia virginiana

Red Bay
Persea borbonia

Sweet Gum
Liquidambar styraciflua

Red Mulberry
Morus rubra

False-nettle
Boehmeria cylindrica

Common Wax-myrtle
Morella cerifera

American Beech
Fagus grandifolia

Swamp Chestnut Oak
Quercus michauxii

Live Oak
Quercus virginiana

American Hornbeam
Carpinus caroliniana

St. Andrew's Cross
Hypericum crux-andreae

St. Andrew's Cross
Hypericum hypericoides

St. John's-wort
Hypericum setosum

Eastern Cottonwood
Populus deltoides deltoides

Ti-ti
Cyrilla racemiflora

Coastal Sweet Pepperbush
Clethra alnifolia

Elliott's Blueberry
Vaccinium elliotii

Horsesugar
Symplocos tinctoria

Virginia-willow
Itea virginica

Common Partridge-pea
Chamaecrista fasciculata
fasciculata

Sesban
Sesbania herbacea

Feathery Mermaid-weed
Proserpinaca pectinata

Narrowleaf Seedbox
Ludwigia linearis

Hairy Seedbox
Ludwigia pilosa

Smooth Meadow-beauty
Rhexia alifanus

Virginia Meadow-beauty
Rhexia virginica

Flowering Dogwood
Cornus florida

Southern Swamp Dogwood
Cornus stricta

Swamp Tupelo
Nyssa biflora

American Wahoo
Euonymus atropurpureus
atropurpureus

American Holly
Ilex opaca opaca

Popcorn Tree
Triadica sebifera

Supplejack
Berchemia scandens

Red Maple
Acer rubrum

Eastern Poison Ivy
Toxicodendron radicans
radicans

Spotted Touch-me-not
Impatiens capensis

Devil's-walking-stick
Aralia spinosa

Striped Gentian
Gentiana villosa

Horse-nettle
Solanum carolinense
carolinense

Dodder
Cuscuta sp.

Brazilian Vervain
Verbena brasiliensis

Purple-foxglove
Agalinis sp.

Beechdrops
Epifagus virginiana

Senna Seymeria
Seymeria cassioides

Arrow-wood
Viburnum dentatum

Common Ragweed
Ambrosia artemisiifolia

Climbing Aster
Ampelaster carolinianus

Silverling
Baccharis halimifolia

Rayless-goldenrod
Bigelowia nudata nudata

Mistflower
Conoclinium coelestinum

Elephant's-foot
Elephantopus tomentosus

Boneset
Eupatorium perfoliatum

Recurved Eupatorium
Eupatorium recurvans

Marsh Fleabane
Pluchea baccharis

Hairy Pineywoods Goldenrod
Solidago fistulosa

Licorice Goldenrod
Solidago odora odora

Frost Aster
Symphotrichum pilosum
pilosum

American Aster
Symphotrichum walteri

FAUNA

Bowl-and-daily Spider
Frontinella pyramitella

Spiny-backed Spider
Microthema gracilis

Writing Spider
Argiope aurantia

Banded Garden Spider
Argiope trifasciata

Orb-weaver
Neoscona sp.

Arrowhead Spider
Verrucosa arenata

Rabid Wolf Spider
Rabidosa rabida

Green Lynx Spider
Peucetia viridans

Yellow Crab Spider
Misumenoides formosipes

Brown Winter Grasshopper
Amblytropidia mysteca

Spur-throated Grasshopper
Melanoplus sp.

Mischievous Bird Grasshopper
Schistocerca damnifica

Angular-winged Katydid
Microcentrum retinerve

Broad-winged Katydid
Microcentrum rhombifolium

Texas Bush Katydid
Scudderella texensis

Broadtip Conehead Katydid
Neoconocephalus triops

Red-headed Bush Cricket
Phyllopalpus pulchellus

Eastern Subterranean Termite
Reticulitermes flavipes

Rice Stink Bug
Oebalus sp.

Leaf-footed Bug
Leptoglossus phyllopus

Red Wax Scale
Ceroplastes rubens

Dobsonfly
Corydalus cornutus

Fishfly
Nigronia lunatus

Common Eastern Velvet-ant
Dasymutilla occidentalis
occidentalis

Florida Harvester Ant
Pogonomyrmex badius

Red Imported Fire Ant
Solenopsis invicta

Black Carpenter Ant <i>Camponotus pennsylvanicus</i>	<i>Bidessonotus pulicarius</i>	Root-eating Beetle <i>Monotoma</i> sp.	Southern Toad <i>Anaxyrus terrestris</i>
Common Green Darner <i>Anax junius</i>	<i>Liodessus noviaffinis</i>	Flat Bark Beetles <i>Cryptolestes</i> sp.	Southern Cricket Frog <i>Acris gryllus</i>
Little Blue Dragonlet <i>Erythrodiplax minuscula</i>	<i>Copelatus caelatipennis</i>	<i>Laemophloeus modestus</i>	Green Anole <i>Anolis carolinensis</i>
Golden-winged Skimmer <i>Libellula auripennis</i>	<i>Rhantus calidus</i>	Minute Brown Scavenger Beetles <i>Corticaria</i> sp.	Ground Skink <i>Scincella lateralis</i>
Bar-winged Skimmer <i>Libellula axilena</i>	<i>Hydaticus bimarginatus</i>	<i>Melanophthalma distinguenda</i>	Pied-billed Grebe <i>Podilymbus podiceps</i>
Slaty Skimmer <i>Libellula incesta</i>	Water Scavenger Beetles <i>Hydrochus excavatus</i>	Broad-nosed Weevil <i>Phyllobius</i> sp.	Great Blue Heron <i>Ardea herodias</i>
Twelve-spotted Skimmer <i>Libellula pulchella</i>	<i>Enochrus</i> sp.	Acorn Weevil <i>Curculio</i> sp.	Killdeer <i>Charadrius vociferus</i>
Common Whitetail <i>Plathemis lydia</i>	<i>Dactylosternum</i> sp.	Palamedes Swallowtail <i>Papilio palamedes</i>	Greater Yellowlegs <i>Tringa melanoleuca</i>
Violet-masked Glider <i>Tramea carolina</i>	<i>Cercyon</i> sp.	Cloudless Sulphur <i>Phoebis sennae eubule</i>	Turkey Vulture <i>Cathartes aura</i>
Swamp Spreadwing (damselfly) <i>Lestes vigilax</i>	Feather-winged Beetle <i>Ptenidium</i> sp.	Little Yellow (butterfly) <i>Eurema lisa</i>	Barred Owl <i>Strix varia</i>
Rambur's Forktail (damselfly) <i>Ischnura ramburi</i>	Large Rove Beetle <i>Neobisnius</i> sp.	Sleepy Orange (butterfly) <i>Eurema nicippe</i>	Eastern Screech-owl <i>Otus asio</i>
Citrine Forktail (damselfly) <i>Ischnura hastata</i>	Paederine Rove Beetles <i>Achenomorphus corticinus</i>	Eastern Tailed-blue(butterfly) <i>Everes comyntas</i>	Red-bellied Woodpecker <i>Melanerpes carolinus</i>
Minute Ground Beetles <i>Elaphropus xanthopus</i>	<i>Rugilus dentatus</i>	Gulf Fritillary <i>Agraulis vanillae</i>	Pileated Woodpecker <i>Dryocopus pileatus</i>
<i>Pericompso ephippiatus</i>	<i>Lobrathium anale</i>	Red Admiral <i>Vanessa atalanta</i>	Blue Jay <i>Cyanocitta cristata</i>
<i>Paratachys albipes</i>	<i>Lobrathium dimidiatum</i>	Gemmed Satyr (butterfly) <i>Cyllopsis gemma</i>	Fish Crow <i>Corvus ossifragus</i>
<i>Paratachys columbiensis</i>	<i>Pseudolathra</i> sp.	Least Skipper <i>Ancyloxypha numitor</i>	Carolina Chickadee <i>Parus carolinensis</i>
<i>Paratachys pumilus</i>	Spiny-legged Rove Beetle <i>Carpelimus</i> sp.	Dun Skipper <i>Euphys vestris</i>	Brown-headed Nuthatch <i>Sitta pusilla</i>
<i>Paratachys</i> sp.	Short-winged Mold Beetles <i>Euplectus</i> sp.	Carolina Roadside Skipper <i>Amblyscirtes carolina</i>	Carolina Wren <i>Thryothorus ludovicianus</i>
Oval Ground Beetle <i>Stenocrepis</i>	<i>Decarthron</i> sp.	Pyralid Moth <i>Clydonopteron tecomae</i>	Northern Mockingbird <i>Mimus polyglottos</i>
<i>quatuordecimstriata</i>	<i>Tychus minor</i>	Lichen Moth <i>Cisthene</i> sp.	Brown Thrasher <i>Toxostoma rufum</i>
Corn Seed Beetle <i>Stenolophus lecontei</i>	Earth-boring Dung Beetle <i>Geotrupes egeriei</i>	Tiger Moth <i>Apantes</i> sp.	White-eyed Vireo <i>Vireo griseus</i>
Dingy Ground Beetles <i>Notiobia terminata</i>	Dung Beetle <i>Ateuchus lecontei</i>	Celery Looper Moth <i>Anagrapha falcifera</i>	Gray Fox (tracks) <i>Urocyon cinereoargenteus</i>
<i>Selenophorus opalinus</i>	Aphodiine Dung Beetles <i>Aphodius campestris</i>	Darling Underwing <i>Catocala cara carissima</i>	Raccoon (tracks) <i>Procyon lotor</i>
Perigonid Ground Beetle <i>Perigona nigriceps</i>	<i>Aphodius lividus</i>	Oak Toad <i>Anaxyrus quercicus</i>	
Colorful Foliage Ground Beetles <i>Cymindis limbata</i>	<i>Ataenius exiguus</i>		
<i>Lebia ornata</i>	<i>Platytomus longulus</i>		
Predacious Diving Beetles <i>Laccophilus fasciatus rufus</i>	Garden Scarab Beetle <i>Diplotaxis punctatorugosa</i>		
<i>Celina angustata</i>	Marsh Beetle <i>Cyphon</i> sp.		
	Long-toed Water Beetle <i>Pelonomus obscurus</i>		
	Click Beetle <i>Lacon marmorata</i>		
	Sap Beetle <i>Carpophilus</i> sp.		

Martin-Marietta Quarry, Cross, SC

12/13/1997

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The past natural history is often easily viewed at 'digging' sites. The limestone quarry near Cross, operated by Martin-Marietta, often yields the fossilized remains from the Eocene and perhaps Pliocene periods. The management graciously allowed us to hunt for what had been recently uncovered. The fossils are of marine species, such as snails and clams. On this cold windy day there were many examples of only a few species. However the birds were active in adjacent areas, complete with a large Wild Turkey gobbler and his harem foraging along the entrance road.

Martin-Marietta Quarry, Cross,
SC
Dorchester Co., SC
December 13, 1997

LICHENS

Graphis lucifica
Pyrrhospora varians
Bacidina egenula
Cladonia cristatella
Cladonia cristatella
Cladonia peziziformis
Pertusaria leioplaca
Maronea constans
Sarcogyne regularis

Haematomma persoonii
Lecanora varia
Bulbothrix goebelii
Hypotrachyna livida
Buellia curtisii
Amandinea punctata
Staurothele drummondii

FLORA

Groundsel-tree; Silverling
Baccharis sp.
Goldenrod
Solidago sp.

FAUNA

Rock Barnacle

Balanus sp.

Spur-throated Grasshopper

Melanoplus sp.

Great Blue Heron

Ardea herodias

Turkey Vulture

Cathartes aura

Wild Turkey

Meleagris gallopavo

Carolina Wren

Thryothorus ludovicianus

Yellow-rumped Warbler

Dendroica coronata

Bobcat; Wildcat

Felis rufus

White-tailed Deer (tracks)

Odocoileus virginianus

FOSSILS

Brachiopod

Terebratulina lachryma

Kitten's-paw

Plicatula filamentosa

Pecten

Chlamys biddleans

Hard-shelled Clam

Mercenaria campechiensis

Palamedes Swallowtail, *Papilio palamedes*, by Kim McManus.



Yellow Pitcherplant, *Sarracenia flava*, by Virginia Winn.



Banded Garden Spider, *Argiope trifasciata*, by Mary Garland Douglass.