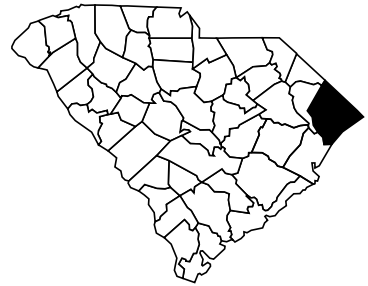


Horry County:

This diverse county has habitats ranging from outer coastal beach through saltwater marshes on to Carolina bays, pine and mixed hardwood flatwoods, and riverine areas.



Sites Visited:

Cartwheel Bay Heritage Preserve	04/27/2002
Grand Strand Water & Sewer Authority	05/25/1996
Lewis Ocean Bay Heritage Preserve	05/25/1996 & 09/27/2003 & 04/24/2004
Myrtle Beach State Park	03/28/1998
Waccamaw River Heritage Preserve	11/21/1998
Waites Island	09/26/1998

Cartwheel Bay Heritage Preserve

04/27/2002

This preserve houses one of the last Carolina bay-longleaf pine savannas in the state. The bays at this site do not have the characteristic sand rim that characterizes bays elsewhere. There is a narrow fine sand ridge that extends the diversity of plants growing at the site. It also creates a diverse habitat for a large number of birds and insects to utilize.

Directions: From Florence, take US 76 east through Marion, Mullins, and Nichols, to the Lumber River. Continue on US 76/SC 9 for 0.7 miles, and fork off to the right onto SC 9 for 3.2 more miles. Turn right onto S-26-19 and drive about 2 miles to a dirt road on the right that travels between two small red houses. The road travels through a farm field and into the preserve.

To reach the preserve from Conway, take US 701 north to the fork with SC 410. Take the left fork on 410 and continue to the intersection with County Road 19 at Playcard Crossroads. Turn left on 19 and travel about 8 miles. You will see Cartwheel Community Center on your right as you travel County Road 19. After passing the community center, travel about two tenths of a mile and turn left on a dirt road that travels between two small red houses. The road travels through a farm field and into the preserve.

Cartwheel Bay Heritage Preserve
Horry Co., SC
April 27, 2002

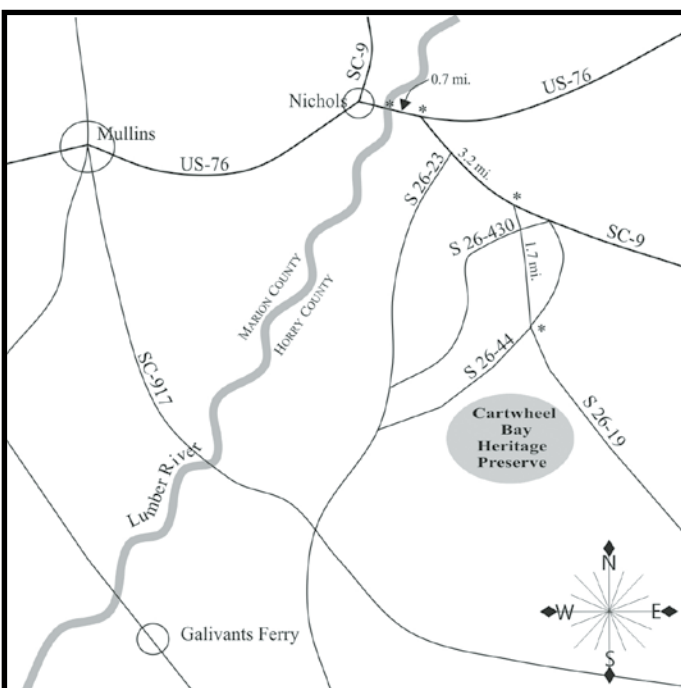
LICHENS

Graphis scripta
Phaeographis inusta
Bacidia sp.
Pyrrhospora varians
Pyrrhospora russula
Cladonia subtenuis
Cladonia leporina
Cladonia polycarpoides
Cladonia rappii
Pertusaria copiosa
Pertusaria paratuberculifera
Pertusaria subpertusa
Pertusaria waghornei
Pertusaria sinuomexicana
Pertusaria leioplaca
Maronea constans
Haematomma accolens
Lecanora varia
Lecanora hybocarpa
Lecanora pulcaris
Lecanora caesiurubella prolifera
Loxospora elatina
Bulbothrix confoederata
Bulbothrix goebelii
Bulbothrix isidiza
Hypotrachyna livida

Parmotrema hypotropum
Parmotrema michauxianum
Parmotrema perforatum
Parmotrema tinctorum
Canoparmelia caroliniana
Punctelia rudecta
Rimelia reticulata
Rimelia subsidiosa
Myelochroa aurelenta
Usnea mutabilis
Usnea strigosa
Buellia caloosensis
Dirinaria purpurascens
Physcia americana
Heterodermia albicans
Heterodermia obscurata
Pyxine caesiopruinosa
Ochrolechia africana

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 <i>Pinus serotina</i>	Yellow Pitcherplant <i>Sarracenia flava</i>	Smooth Meadow-beauty <i>Rhexia alifanus</i>	Spoonleaf Purple Everlasting <i>Gamochaeta purpurea</i>
Bogbuttons <i>Lachnocaulon</i> sp.	S. Purple Pitcherplant <i>Sarracenia purpurea venosa</i>	Southern Swamp Dogwood <i>Cornus stricta</i>	Virginia Dwarf-dandelion <i>Krigia virginica</i>
Carolina Wiregrass <i>Aristida stricta</i>	Sweet Pitcherplant <i>Sarracenia rubra rubra</i>	Swamp Tupelo <i>Nyssa biflora</i>	Grass-leaved Golden-aster <i>Pityopsis aspera adenolepis</i>
Giant Cane <i>Arundinaria gigantea</i>	Venus Flytrap <i>Dionaea muscipula</i>	Blackgum <i>Nyssa sylvatica</i>	Blackroot <i>Pterocaulon pycnostachyum</i>
Common Cattail <i>Typha latifolia</i>	Pink Sundew <i>Drosera capillaris</i>	Big Gallberry <i>Ilex coriacea</i>	Rosinweed <i>Silphium compositum</i>
Common Stargrass <i>Hypoxis hirsuta</i>	Water Sundew <i>Drosera intermedia</i>	Little Gallberry <i>Ilex glabra</i>	FAUNA
Northern White Colic-root <i>Aletris farinosa</i>	Carolina Sunrose <i>Crocanthemum carolinianum</i>	American Holly <i>Ilex opaca opaca</i>	American Bird Grasshopper <i>Schistocerca americana</i>
Southern Blue Flag <i>Iris virginica</i>	Violet <i>Viola septemloba</i>	Tread-softly <i>Cnidioscolus stimulosus</i>	Wood Roach <i>Parcoblatta</i> sp.
Blue-eyed-grass <i>Sisyrinchium</i> sp.	Passionflower <i>Passiflora incarnata</i>	White Sandhills Spurge <i>Euphorbia curtisii</i>	Florida Harvester Ant <i>Pogonomyrmex badius</i>
Curlyleaf Yucca <i>Yucca filamentosa</i>	Black Willow <i>Salix nigra</i>	Maroon Sandhills Spurge <i>Euphorbia exserta</i>	Bald-faced Hornet <i>Dolichovespula maculata</i>
Catbrier <i>Smilax bona-nox</i>	Coastal Sweet Pepperbush <i>Clethra alnifolia</i>	Carolina Ipecac <i>Euphorbia ipecacuanhae</i>	Blue Dasher <i>Pachydiplax longipennis</i>
Bamboo-vine <i>Smilax laurifolia</i>	Coastal Fetterbush <i>Eubotrys racemosa</i>	New Jersey Tea <i>Ceanothus americanus</i>	Eyed Click Beetle <i>Alaus oculatus</i>
Tulip-tree <i>Liriodendron tulipifera</i>	Dwarf Huckleberry <i>Gaylussacia dumosa</i>	Virginia-creeper <i>Parthenocissus quinquefolia</i>	Eastern Tiger Swallowtail <i>Papilio glaucus</i>
Southern Magnolia <i>Magnolia grandiflora</i>	Dangleberry <i>Gaylussacia frondosa</i>	Muscadine <i>Vitis rotundifolia rotundifolia</i>	Palamedes Swallowtail <i>Papilio palamedes</i>
Sweetbay <i>Magnolia virginiana</i>	Southern Sheepkill <i>Kalmia carolina</i>	Orange Milkwort <i>Polygala lutea</i>	Pearl Crescent (butterfly) <i>Phyciodes tharos</i>
Red Bay <i>Persea borbonia</i>	Coastal Doghobble <i>Leucothoe axillaris</i>	Red Maple <i>Acer rubrum</i>	American Lady (butterfly) <i>Vanessa virginiensis</i>
Sassafras <i>Sassafras albidum</i>	Maleberry <i>Lyonia ligustrina</i>	Winged Sumac <i>Rhus copallinum</i>	Common Buckeye <i>Junonia coenia</i>
Lizard's-tail <i>Saururus cernuus</i>	Shining Fetterbush <i>Lyonia lucida</i>	Poison Oak <i>Toxicodendron pubescens</i>	Red-spotted Purple (butterfly) <i>Limenitis arthemis astyanax</i>
Coastal Witch-alder <i>Fothergilla gardenii</i>	Staggerbush <i>Lyonia mariana</i>	Eastern Poison Ivy <i>Toxicodendron radicans radicans</i>	Silver-spotted Skipper <i>Epargyreus clarus</i>
Sweet Gum <i>Liquidambar styraciflua</i>	Dwarf Azalea <i>Rhododendron atlanticum</i>	Carolina Jessamine <i>Gelsemium sempervirens</i>	Juvenal's Duskywing <i>Erynnis juvenalis</i>
Common Wax-myrtle <i>Morella cerifera</i>	Swamp Azalea <i>Rhododendron viscosum</i>	Indian-hemp <i>Apocynum cannabinum</i>	Forest Tent Caterpillar <i>Malacosoma disstria</i>
Dwarf Wax-myrtle <i>Morella pumila</i>	Sparkleberry <i>Vaccinium arboreum</i>	Michaux's Milkweed <i>Asclepias michauxii</i>	Giant Silk Moth (cocoon) <i>Callosamia</i> ap.
Running Oak <i>Quercus elliotii</i>	Smooth Highbush Blueberry <i>Vaccinium corymbosum</i>	Phlox <i>Phlox nivalis</i>	Southern Toad <i>Anaxyrus terrestris</i>
Southern Red Oak <i>Quercus falcata</i>	Creeping Blueberry <i>Vaccinium crassifolium</i>	Lyre-leaf Sage <i>Salvia lyrata</i>	Pine Woods Treefrog <i>Hyla femoralis</i>
Bluejack Oak <i>Quercus incana</i>	Southern Blueberry <i>Vaccinium tenellum</i>	Common Toadflax <i>Nuttallanthus canadensis</i>	Southern Leopard Frog <i>Lithobates sphenoccephala</i>
Turkey Oak <i>Quercus laevis</i>	Honey-cups <i>Zenobia pulverulenta</i>	Southern Beardtongue <i>Penstemon australis</i>	Turkey Vulture <i>Cathartes aura</i>
Sand Post Oak <i>Quercus margaretta</i>	Common Pyxie-moss <i>Pyxidanthra barbulate</i>	Fringe-tree <i>Chionanthus virginicus</i>	Red-shouldered Hawk <i>Buteo lineatus</i>
Blackjack Oak <i>Quercus marilandica marilandica</i>	American Persimmon <i>Diospyros virginiana</i>	Water Ash <i>Fraxinus caroliniana</i>	Northern Bobwhite <i>Colinus virginianus</i>
Water Oak <i>Quercus nigra</i>	American Snowbell <i>Styrax americanus</i>	Venus's Looking-glass <i>Triodanis perfoliata</i>	Yellow-billed Cuckoo <i>Coccyzus americanus</i>
Post Oak <i>Quercus stellata</i>	Horsesugar <i>Symplocos tinctoria</i>	Partridge-berry <i>Mitchella repens</i>	Chimney Swift <i>Chaetura pelagica</i>
Tag Alder <i>Alnus serrulata</i>	Red Chokeberry <i>Aronia arbutifolia</i>	Southern Wild Raisin <i>Viburnum nudum</i>	Ruby-throated Hummingbird <i>Archilochus colubris</i>
Prickly-pear <i>Opuntia humifusa</i>	Oneflower Hawthorn <i>Crataegus uniflora</i>	Silverling <i>Baccharis halimifolia</i>	Red-headed Woodpecker <i>Melanerpes erythrocephalus</i>
Wire-plant <i>Stipulicida setacea setacea</i>	Wild Indigo <i>Baptisia</i> sp.	Savanna Honeycomb-head <i>Balduina uniflora</i>	Pileated Woodpecker <i>Dryocopus pileatus</i>
Loblolly Bay <i>Gordonia lasianthus</i>	Coastal Plain Rattlebox <i>Crotalaria purshii</i>	Sunbonnets <i>Chaptalia tomentosa</i>	Eastern Kingbird <i>Tyrannus tyrannus</i>
St. Andrew's Cross <i>Hypericum crux-andraee</i> <i>Hypericum hypericoides</i>	Eastern Sensitive-briar <i>Mimosa microphylla</i>	Whitetop Fleabane <i>Erigeron vernus</i>	Great Crested Flycatcher <i>Myiarchus crinitus</i>

Eastern Wood-pewee
Contopus virens
Acadian Flycatcher
Empidonax virens
Barn Swallow
Hirundo rustica
Blue Jay
Cyanocitta cristata
American Crow
Corvus brachyrhynchos
Fish Crow
Corvus ossifragus
Tufted Titmouse
Parus bicolor
Carolina Chickadee
Parus carolinensis
White-breasted Nuthatch
Sitta carolinensis
Brown-headed Nuthatch
Sitta pusilla
Carolina Wren
Thryothorus ludovicianus

Blue-gray Gnatcatcher
Poliophtila caerulea
Wood Thrush
Hylocichla mustelina
Hermit Thrush
Catharus guttatus
American Robin
Turdus migratorius
Loggerhead Shrike
Lanius ludovicianus
Gray Catbird
Dumetella carolinensis
Northern Mockingbird
Mimus polyglottos
White-eyed Vireo
Vireo griseus
Yellow-throated Vireo
Vireo flavifrons
Red-Eyed Vireo
Vireo olivaceus

Prothonotary Warbler
Protonotaria citrea
Northern Parula
Parula americana
Yellow-throated Warbler
Dendroica dominica
Prairie Warbler
Dendroica discolor
Pine Warbler
Dendroica pinus
Hooded Warbler
Wilsonia citrina
Worm-eating Warbler
Helmitheros vermivorus
Swainson's Warbler
Limnithlypis swainsonii
Ovenbird
Seiurus aurocapillus
Common Yellowthroat
Geothlypis trichas

Yellow-breasted Chat
Icteria virens
American Redstart
Setophaga ruticilla
Northern Cardinal
Cardinalis cardinalis
Indigo Bunting
Passerina cyanea
Eastern Towhee
Pipilo erythrophthalmus
Chipping Sparrow
Spizella passerina
Brown-headed Cowbird
Molothrus ater
Summer Tanager
Piranga rubra
Marsh Rabbit
Sylvilagus palustris
Eastern Fox Squirrel
Sciurus niger

Grand Strand Water & Sewer Authority

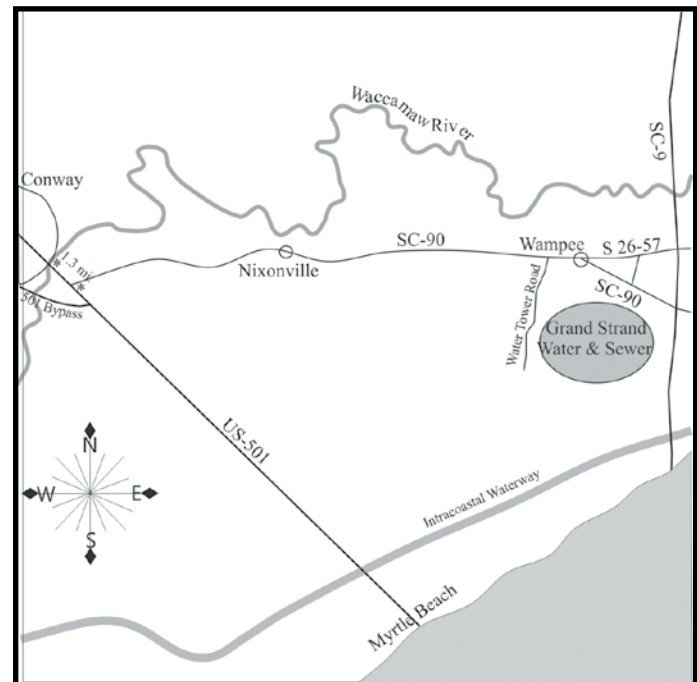
05/25/1996

This facility uses the Grand Strand Bay for tertiary sewage treatment with an interesting effect. The natural bays on this site are unique in having a peat layer underlain with a sand layer that has become naturally cemented preventing downward percolation of water. There is a large population of more common second growth species.

Directions: From Columbia: Take US 378; go around Sumter and Lake City to Conway. In Conway, at Main Street, turn right, go over the bridge, and drive 1.1 miles; turn left on SC 90.

Or, from Columbia: Take I-20 to Florence, then US 76 to near Marion, then southeast on US 501 to Conway. Approaching Conway, take the right fork, Business 501, which becomes Main Street. Cross the bridge, travel 1.1 miles, then left on SC 90.

The Grand Strand property is located on the south (right) side of SC 90 between Water Tower Road and the village of Wampee, about 18 miles from US 501.



**Grand Strand Water & Sewer
Authority
Horry Co., SC
May 25, 1996**

FLORA

Sand Spikemoss
Selaginella arenicola
Cinnamon Fern
Osmunda cinnamomea
Royal Fern
Osmunda regalis spectabilis
Bracken
Pteridium aquilinum

Netted Chain Fern
Woodwardia areolata
Virginia Chain Fern
Woodwardia virginica
Southern Wood-fern
Dryopteris ludoviciana
Sensitive Fern
Onoclea sensibilis sensibilis
Longleaf Pine
Pinus palustris
Pond Pine
Pinus serotina
Pond-cypress
Taxodium ascendens

Bald-cypress
Taxodium distichum
Roseling
Cuthbertia rosea
Common Rush
Juncus effusus solutus
Sedge
Carex sp.
Common Cattail
Typha latifolia
Common Garden Canna
Canna x generalis
Blue-eyed-grass
Sisyrinchium sp.

Bamboo-vine
Smilax laurifolia
Large Spreading Pogonia
Cleistes divaricata
Ladies'-tresses
Spiranthes sp.
Tulip-tree
Liriodendron tulipifera
Sweetbay
Magnolia virginiana
Red Bay
Persea borbonia
Sassafras
Sassafras albidum

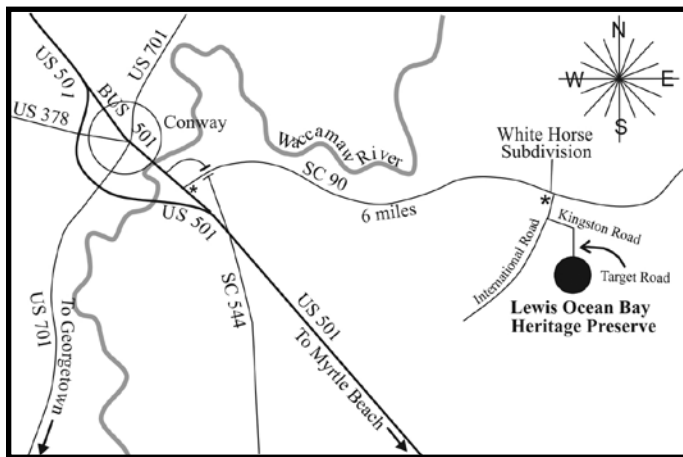
Lizard's-tail <i>Saururus cernuus</i>	Carolina Ipecac <i>Euphorbia ipecacuanhae</i>	Round-winged Katydid <i>Amblycorypha oblongifolia</i>	Jewel Beetle <i>Acmaeodera tubulus</i>
Cursed Buttercup <i>Ranunculus sceleratus</i> <i>sceleratus</i>	Supplejack <i>Berchemia scandens</i>	Negro Bug <i>Galgupha aterrima</i>	Black-spotted Lady Beetle <i>Coccinella venusta</i>
Sweet Gum <i>Liquidambar styraciflua</i>	Virginia-creeper <i>Parthenocissus quinquefolia</i>	Plant-feeding Stink Bug <i>Euschistus servus servus</i>	Spotless Lady Beetle <i>Cycloneda sanguinea</i>
American Elm <i>Ulmus americana</i>	Muscadine <i>Vitis rotundifolia rotundifolia</i>	Green Stink Bug <i>Acrosternum hilare</i>	Cottonwood Leaf Beetle <i>Chrysomela scripta</i>
False-nettle <i>Boehmeria cylindrica</i>	Orange Milkwort <i>Polygala lutea</i>	Anchor Stink Bug <i>Stiretrus anchorago</i>	Broad-bodied Leaf Beetle <i>Prasocuris vittata</i>
Common Wax-myrtle <i>Morella cerifera</i>	Red Maple <i>Acer rubrum</i>	Leaf-footed Bug <i>Acanthocephala femorata</i>	Palamedes Swallowtail <i>Papilio palamedes</i>
Turkey Oak <i>Quercus laevis</i>	Winged Sumac <i>Rhus copallinum</i>	Backswimmer <i>Notonecta irrorata</i>	Pearl Crescent (butterfly) <i>Phyciodes tharos</i>
Water Oak <i>Quercus nigra</i>	Poison Oak <i>Toxicodendron pubescens</i>	Giant Water Bug <i>Abedus immaculatus</i>	Question Mark (butterfly) <i>Polygonia interrogationis</i>
Live Oak <i>Quercus virginiana</i>	Eastern Poison Ivy <i>Toxicodendron radicans</i> <i>radicans</i>	Common Green Darner <i>Anax junius</i>	Viceroy; Mimic <i>Limenitis archippus</i>
Prickly-pear <i>Opuntia humifusa</i>	Devil's-walking-stick <i>Aralia spinosa</i>	Swamp Darner <i>Epiaeschna heros</i>	Wood Duck <i>Aix sponsa</i>
Wire-plant <i>Stipulicida setacea setacea</i>	Water-pennywort <i>Hydrocotyle sp.</i>	Little Blue Dragonlet <i>Erythrodiplex minuscula</i>	Turkey Vulture <i>Cathartes aura</i>
Passionflower <i>Passiflora incarnata</i>	Queen-Anne's-lace <i>Daucus carota</i>	Bar-winged Skimmer <i>Libellula axilena</i>	Osprey <i>Pandion haliaetus</i>
Black Willow <i>Salix nigra</i>	Indian-hemp <i>Apocynum cannabinum</i>	Painted Skimmer <i>Libellula semifasciata</i>	Yellow-billed Cuckoo <i>Coccyzus americanus</i>
Coastal Sweet Pepperbush <i>Clethra alnifolia</i>	Dodder <i>Cuscuta sp.</i>	Great Blue Skimmer <i>Libellula vibrans</i>	Eastern Wood-pewee <i>Contopus virens</i>
Dangleberry <i>Gaylussacia frondosa</i>	Ash <i>Fraxinus sp.</i>	Blue Dasher <i>Pachydiplax longipennis</i>	Acadian Flycatcher <i>Empidonax virens</i>
Coastal Doghobble <i>Leucothoe axillaris</i>	Trumpet-creeper <i>Campsis radicans</i>	Common Whitetail <i>Plathemis lydia</i>	Tufted Titmouse <i>Parus bicolor</i>
Shining Fetterbush <i>Lyonia lucida</i>	Common Elderberry <i>Sambucus canadensis</i>	Variable Dancer (damselfly) <i>Argia fumipennis</i>	Carolina Wren <i>Thryothorus ludovicianus</i>
Staggerbush <i>Lyonia mariana</i>	Silverling <i>Baccharis halimifolia</i>	Fragile Forktail (damselfly) <i>Ischnura posita</i>	Blue-gray Gnatcatcher <i>Poliophtila caerulea</i>
Creeping Blueberry <i>Vaccinium crassifolium</i>	False-dandelion <i>Pyrrhopappus carolinianus</i>	Furtive Forktail (damselfly) <i>Ischnura prognatha</i>	Red-Eyed Vireo <i>Vireo olivaceus</i>
Southern Swamp Dogwood <i>Cornus stricta</i>		Duckweed Firetail (damselfly) <i>Telebasis byersi</i>	Prothonotary Warbler <i>Protonotaria citrea</i>
Swamp Tupelo <i>Nyssa biflora</i>		Predacious Diving Beetles <i>Laccophilus fasciatus rufus</i> <i>Laccophilus proximus</i> <i>Coptotomus interrogatus</i> <i>Thermonectus basillaris</i> <i>basillaris</i>	Pine Warbler <i>Dendroica pinus</i>
Big Gallberry <i>Ilex coriacea</i>	Long-jawed Orb-weaver <i>Tetragnatha elongata</i>	Water Scavenger Beetles <i>Tropisternus lateralis nimbatus</i> <i>Tropisternus quadristriatus</i> <i>quadristriatus</i>	Northern Cardinal <i>Cardinalis cardinalis</i>
Little Gallberry <i>Ilex glabra</i>	Yellow Crab Spider <i>Misumenoides formosipes</i>		Indigo Bunting <i>Passerina cyanea</i>
American Holly <i>Ilex opaca opaca</i>	Grasshopper <i>Orphulella pelidna</i>		Eastern Towhee <i>Pipilo erythrophthalmus</i>
Tread-softly <i>Cnidoscopus stimulosus</i>	Spur-throated Grasshopper <i>Melanoplus sp.</i>		Brown-headed Cowbird <i>Molothrus ater</i>
			Common Grackle <i>Quiscalus quiscula</i>

Lewis Ocean Bay Heritage Preserve

05/25/1996, 09/27/2003, and 04/24/2004

This heritage preserve protects the largest number of undisturbed Carolina bays in South Carolina. This protects a large population of the insectivorous plants native to the state. Many other plant species are protected as well providing a habitat for many mammals, uncommon insects, reptiles and amphibians. The diversity of habitats adds to the diversity of plants and animals one may see.

Directions: From Conway go south on Main Street (US 501), cross the Waccamaw River on the bridge, and drive 1.1 miles. Turn left onto SC 90 and go approximately 6 miles. Directly across from the Wild Horse Subdivision, turn east on International Road. 1.5 miles down International Road, take a left at the first fork on Kingston Road. The preserve lies on both sides of the road.



**Lewis Ocean Bay
Heritage Preserve**
Horry Co., SC
May 25, 1996
September 27, 2003
April 24, 2004

ALGAE

Hollow Green Weed (algae)
Enteromorpha intestinalis

FLORA

Peat Moss
Sphagnum sp.
Foxtail Clubmoss
Lycopodiella alopecuroides
Southern Bog Clubmoss
Lycopodiella appressa
Carolina Bog Clubmoss
Pseudolycopodiella caroliniana
Cinnamon Fern
Osmunda cinnamomea
Royal Fern
Osmunda regalis spectabilis
Bracken
Pteridium aquilinum
Netted Chain Fern
Woodwardia areolata
Virginia Chain Fern
Woodwardia virginica
Longleaf Pine
Pinus palustris
Pond Pine
Pinus serotina
Loblolly Pine
Pinus taeda
Yellow-eyed Grass
Xyris sp.
Common Ten-angled Pipewort
Eriocaulon decangulare
Brown Bogbutton
Lachnocaulon minus
Creeping Rush
Juncus repens
Hairy Umbrella-sedge
Fuirena squarrosa
Tall Horned Beaksedge
Rhynchospora macrostachya

Plumed Beaksedge
Rhynchospora plumosa
Purple Silkyscale
Anthenantia rufa
Carolina Wiregrass
Aristida stricta
Switch Cane
Arundinaria tecta
Toothache Grass
Ctenium aromaticum
Slender Muhly
Muhlenbergia tenuiflora
Warty Panic Grass
Panicum verrucosum
Giant Plume Grass
Saccharum giganteum
Common Cattail
Typha latifolia
Redroot
Lachnanthes caroliniana
Stargrass
Hypoxis sp.
Large Death-camas
Zigadenus glaberrimus
Northern White Colic-root
Aletris farinosa
Flag
Iris tridentata
Catbrier
Smilax bona-nox
Bamboo-vine
Smilax laurifolia
Jackson-brier
Smilax smallii
Common Wild Yam
Dioscorea villosa
Bearded Grass-pink
Calopogon barbatus
Large Spreading Pogonia
Cleistes divaricata
Ladies'-tresses
Spiranthes sp.
Tulip-tree
Liriodendron tulipifera
Sweetbay
Magnolia virginiana
Red Bay
Persea borbonia
Swamp Bay
Persea palustris
Sweet Gum
Liquidambar styraciflua

Pocosin Bayberry
Morella carolinensis
Common Wax-myrtle
Morella cerifera
Dwarf Wax-myrtle
Morella pumila
Sand Live Oak
Quercus geminata
Bluejack Oak
Quercus incana
Turkey Oak
Quercus laevis
Sand Post Oak
Quercus margareta
Water Oak
Quercus nigra
Live Oak
Quercus virginiana
Tag Alder
Alnus serrulata
Prickly-pear
Opuntia humifusa
Wire-plant
Stipulicida setacea setacea
Loblolly Bay
Gordonia lasianthus
St. Andrew's Cross
Hypericum crux-andreae
Yellow Pitcherplant
Sarracenia flava
S. Purple Pitcherplant
Sarracenia purpurea venosa
Sweet Pitcherplant
Sarracenia rubra rubra
Venus Flytrap
Dionaea muscipula
Dwarf Sundew
Drosera brevifolia
Pink Sundew
Drosera capillaris
Water Sundew
Drosera intermedia
Pinweed
Lechea sp.
Bog White Violet
Viola lanceolata
Passionflower
Passiflora incarnata
Black Willow
Salix nigra
Ti-ti
Cyrilla racemiflora
Coastal Sweet Pepperbush
Clethra alnifolia
Coastal Fetterbush
Eubotrys racemosa
Dwarf Huckleberry
Gaylussacia dumosa
Dangleberry
Gaylussacia frondosa
Coastal Doghobble
Leucothoe axillaris
Shining Fetterbush
Lyonia lucida
Staggerbush
Lyonia mariana
Dwarf Azalea
Rhododendron atlanticum
Sparkleberry
Vaccinium arboreum
Smooth Highbush Blueberry
Vaccinium corymbosum

Creeping Blueberry
Vaccinium crassifolium
Southern Highbush Blueberry
Vaccinium formosum
Deerberry
Vaccinium stamineum
Southern Blueberry
Vaccinium tenellum
Honey-cups
Zenobia pulverulenta
American Persimmon
Diospyros virginiana
Red Chokeberry
Aronia arbutifolia
Alabama Black Cherry
Prunus alabamensis
Carolina Rose
Rosa carolina
Dwarf Indigo-bush
Amorpha herbacea herbacea
Carolina Wild Indigo
Baptisia cinerea
Bladderpod
Glottidium vesicarium
Pink Sandhill Lupine
Lupinus villosus
Goat's-rue
Tephrosia hispidula
Virginia Goat's-rue
Tephrosia virginiana
Narrowleaf Seedbox
Ludwigia linearis
Small-fruited Seedbox
Ludwigia microcarpa
Savanna Seedbox
Ludwigia virgata
Hairy Meadow-beauty
Rhexia nashii
Southern Swamp Dogwood
Cornus stricta
Swamp Tupelo
Nyssa biflora
Blackgum
Nyssa sylvatica
Big Gallberry
Ilex coriacea
Little Gallberry
Ilex glabra
American Holly
Ilex opaca opaca
Tread-softly
Cnidioscolus stimulosus
Carolina Ipecac
Euphorbia ipecacuanhae
Southeastern Noseburn
Taglia urens
Virginia-creeper
Parthenocissus quinquefolia
Muscadine
Vitis rotundifolia rotundifolia
Drumheads
Polygala cruciata
Orange Milkwort
Polygala lutea
Red Maple
Acer rubrum
Winged Sumac
Rhus copallinum
Poison Oak
Toxicodendron pubescens
Eastern Poison Ivy
Toxicodendron radicans radicans

Devil's-walking-stick
Aralia spinosa
Centella
Centella erecta
Water Dropwort
Oxypolis filiformis
Carolina Jessamine
Gelsemium sempervirens
Pinebarren Gentian
Gentiana autumnalis
Indian-hemp
Apocynum cannabinum
Sandhill Milkweed
Asclepias humistrata
Horse-nettle
Solanum carolinense
carolinense
Beautyberry
Callicarpa americana
Dotted Horse-mint
Monarda punctata
Skullcap
Scutellaria sp.
Common Toadflax
Nuttallanthus canadensis
Purple-foxtail
Agalinis purpurea
Senna Seymeria
Seymeria cassioides
Trumpet-creeper
Campsis radicans
Small Butterwort
Pinguicula pumila
Southern Bladderwort
Utricularia juncea
Slender Bladderwort
Utricularia subulata
Lobelia
Lobelia nuttallii
Venus's Looking-glass
Triodanis sp.
Silverling
Baccharis halimifolia
Rayless-goldenrod
Bigelovia nudata nudata
Carphephorus
Carphephorus paniculatus
Sandhill Thistle
Cirsium repandum
Mistflower
Conoclinium coelestinum
Savanna Coreopsis
Coreopsis linifolia
Threadleaf Coreopsis
Coreopsis verticillata
Common Dog-fennel
Eupatorium capillifolium
Coastal Dog-fennel
Eupatorium compositifolium
Savanna Eupatorium
Eupatorium leucolepis
Common Roundleaf
Eupatorium rotundifolium
Roughleaf Eupatorium
Eupatorium scabridum
Savanna Grass-leaved Aster
Eurybia paludosa
Flat-topped Goldenrod
Euthamia caroliniana
Blazing-star
Liatris spicata resinosa

Blazing-star
Liatris graminifolia
Marsh-fleabane
Pluchea sp.
Blackroot
Pterocaulon pycnostachyum
Hairy Pineywoods Goldenrod
Solidago fistulosa
Wand Goldenrod
Solidago stricta
American Aster
Symphotrichum walteri

FAUNA

Black Widow
Latrodectus mactans
Northern Widow
Latrodectus variolus
Bowl-and-dolly Spider
Frontinella pyramitella
Writing Spider (egg)
Argiope aurantia
Wolf Spider
Lycosa sp.
Green Lynx Spider
Peucetia viridans
Goldenrod Spider
Misumena vatia
Lone Star Tick
Amblyomma americanum
Striped Short-horn
Grasshopper
Mermiria picta
Sulfur-winged Grasshopper
Arphia sulphurea
Green-striped Grasshopper
Chorthippa viridifasciata
Orange-winged Grasshopper
Pardalophora phoenicoptera
Sand Grasshopper
Spharagemon marmorata picta
Cattail Toothpick Grasshopper
Leptysma marginicollis
Red-legged Grasshopper
Melanoplus femurrubrum
Spur-throated Grasshopper
Melanoplus sp.
American Bird Grasshopper
Schistocerca americana
Mischievous Bird Grasshopper
Schistocerca damnifica
Texas Bush Katydid
Scudderella texensis
Carolina Mantis
Stagmomantis carolina
Giant Water Bug
Belostoma testaceum
Antlion; Doodlebug
Myrmeleon immaculatus
Wool-bearing Oak Gall
Andricus sp.
Oak Bullet Gall (wasp)
Disholcaspis sp.
Florida Harvester Ant
Pogonomyrmex badius
Yellowjacket
Vespa sp.
Leaf-cutting Bee
Megachile sp.
Bumblebee
Bombus sp.

Honey Bee
Apis mellifera
Common Green Darner
Anax junius
Clubtail Dragonfly
Gomphus sp.
Little Blue Dragonlet
Erythrodiplex minuscula
Golden-winged Skimmer
Libellula auripennis
Bar-winged Skimmer
Libellula axilena
Slaty Skimmer
Libellula incesta
Painted Skimmer
Libellula semifasciata
Blue Dasher
Pachydiplax longipennis
Common Whitetail
Plathemis lydia
Violet-masked Glider
Tamea carolina
Black Saddlebags
Tamea lacerata
Glider
Tamea sp.
Variable Dancer (damselfly)
Argia fumipennis
Attenuated Bluet (damselfly)
Enallagma daeckii
Turquoise Bluet (damselfly)
Enallagma divagans
Bluet (damselfly)
Enallagma sp.
Citrine Forktail (damselfly)
Ischnura hastata
Searcher Ground Beetle
Calosoma sayi
Predacious Diving Beetles
Coptotomus interrogatus
Hydaticus bimarginatus
Thermonectus basillaris
basillaris
Water Scavenger Beetle
Tropisternus collaris
Tumblebug; Dung Beetle
Melanocanthus bispinatus
Firefly; Lightning Beetle
Pyrractomena angulata
Soldier Beetle
Chauliognathus marginatus
Sap Beetle
Carpophilus sp.
Zebra Swallowtail
Eurytides marcellus
Eastern Tiger Swallowtail
Papilio glaucus
Spicebush Swallowtail
Papilio troilus
Palamedes Swallowtail
Papilio palamedes
Cloudless Sulphur
Phoebis sennae eubule
Little Yellow (butterfly)
Eurema lisa
Sleepy Orange (butterfly)
Eurema nicippe
Red-banded Hairstreak
Calycopis cecrops
Gray Hairstreak
Strymon melinus

Eastern Tailed-blue(butterfly)
Everes comyntas
Gulf Fritillary
Agraulis vanillae
Variegated Fritillary
Euptoieta claudia
Pearl Crescent (butterfly)
Phyciodes tharos
American Lady (butterfly)
Vanessa virginiensis
Common Buckeye (larva)
Junonia coenia
Red-spotted Purple (butterfly)
Limenitis arthemis astyanax
Carolina Satyr (butterfly)
Hermeuptychia sosybius
Silver-spotted Skipper
Epargyreus clarus
Long-tailed Skipper
Urbanus proteus
Juvenal's Duskywing
Erynnis juvenalis
Clouded Skipper
Lerema accius
Eufala Skipper
Lerodea eufala
Ocala Skipper (butterfly)
Panoquina ocala
Spotted Apatalodes (moth)
Apatalodes torrefacta
Polyphemus Moth
Antheraea polyphemus
Hummingbird Clearwing Moth
Hemaris thysbe
Oak Toad
Anaxyrus quercicus
Pine Woods Treefrog
Hyla femoralis
Green Anole
Anolis carolinensis
Six-lined Racerunner
Aspidoscelis sexlineata
Skink
Eumeces sp.
Eastern Glass Lizard
Ophisaurus ventralis
Black Racer
Coluber constrictor
American Woodcock
Scolopax minor
Laughing Gull
Larus atricilla
Turkey Vulture
Cathartes aura
Red-shouldered Hawk
Buteo lineatus
Common Nighthawk
Chordeiles minor
Northern Flicker
Colaptes auratus
Great Crested Flycatcher
Myiarchus crinitus
American Crow
Corvus brachyrhynchos
Brown-headed Nuthatch
Sitta pusilla
Carolina Wren
Thryothorus ludovicianus
Blue-gray Gnatcatcher
Polioptila caerulea
Eastern Bluebird
Sialia sialis

Gray Catbird
Dumetella carolinensis
White-eyed Vireo
Vireo griseus
Prothonotary Warbler
Protonotaria citrea
Yellow-throated Warbler
Dendroica dominica
Prairie Warbler
Dendroica discolor

Pine Warbler
Dendroica pinus
Yellow Warbler
Dendroica petechia
Hooded Warbler
Wilsonia citrina
Common Yellowthroat
Geothlypis trichas

Yellow-breasted Chat
Icteria virens
Northern Cardinal
Cardinalis cardinalis
Eastern Towhee
Pipilo erythrophthalmus
Bachman's Sparrow
Aimophila aestivalis

Brown-headed Cowbird
Molothrus ater
Summer Tanager
Piranga rubra
Raccoon
Procyon lotor
White-tailed Deer (tracks)
Odocoileus virginianus

Myrtle Beach State Park

03/28/1998

Open undeveloped beach, marsh and especially maritime forest are the highlights of this park. The maritime forest accessed from the Oak Trail provided an excellent close-up look at the plants and animals of that limited habitat, plus migrating songbirds. The open beach provided looks at migrating shore birds including Ruddy Turnstones.

Directions: The park is 3-4 miles south of Myrtle Beach on US Business 17.

From I-20 take I-95 north to Exit 170 and SC 327. Follow 327 south to US 76; turn left. Follow 76 to US 501, then stay on 501 to Myrtle Beach; turn south on US 17 Business, and the park entrance is on the left in three or four miles.

Alternatively, if you wish to avoid the center of Myrtle Beach, turn south on SC 544 just east of Conway, follow that to Business 17, then turn left (north) to the park which will now be on your right.

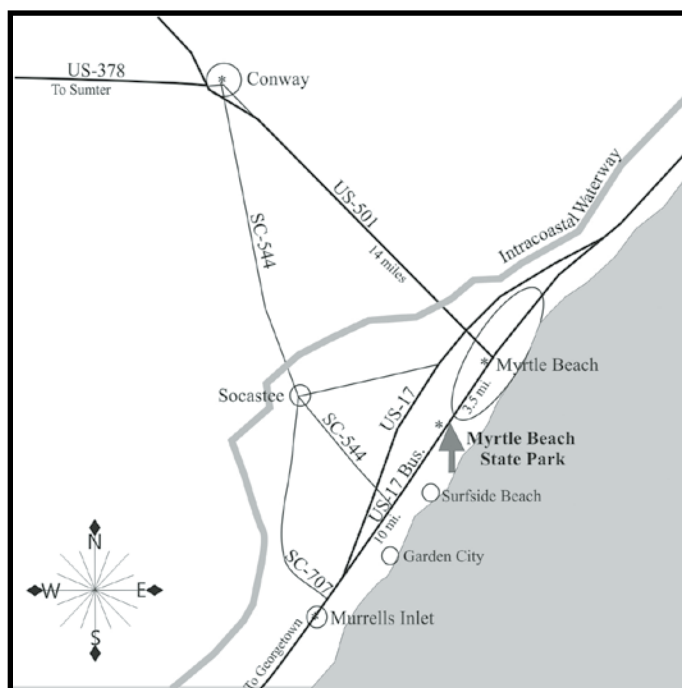
A variation of that is to stay on 501 to 17 By-pass just after crossing the Inter-coastal Waterway, go south to the back entrance of Myrtle Beach Air Force Base, and cut through, following the signs to 17 Business, turning south a short distance before the park entrance on your left; or go south to SC 544, turn left to go east to 17 Business, then turn back north to the park entrance on your right.

Myrtle Beach State Park
Horry Co., SC
March 28, 1998

LICHENS

Graphis scripta
Graphis afzelii
Graphis desquamescens
Phaeographis sp.
Sarcographa tricolor
Gyalecta sp.
Bacidia laurocerasi
Brigantiaea leucoxantha
Pyrrhospora varians
Bacidina californica
Pertusaria paratuberculifera
Pertusaria tetrathalamia
Pertusaria sinuomexicana
Lecanora varia

Tephromela atra
Bulbothrix goebelii
Parmotrema perforatum
Canoparmelia caroliniana
Punctelia rudecta
Parmelinopsis minarum
Ramalina americana
Usnea strigosa
Dirinaria confusa
Dirinaria sp.
Physcia americana
Heterodermia speciosa
Amandinea punctata
Pyrenula cruenta
Pyrenula leucostoma
Arthothelium albobivrescens
Trypethelium mastoideum
Trypethelium virens
Lepraria lobificans
Leproloma membranaceum



Leproloma diffusum

FLORA

Haircap Moss
Polytrichum sp.
Cinnamon Fern
Osmunda cinnamomea
Netted Chain Fern
Woodwardia areolata
Ebony Spleenwort
Asplenium platyneuron
Christmas Fern
Polystichum acrostichoides
Loblolly Pine
Pinus taeda
Southern Red Cedar
Juniperus virginiana silicicola
Dwarf Palmetto
Sabal minor
Jack-in-the-pulpit
Arisaema triphyllum
Giant Cane
Arundinaria gigantea
Sea Oats
Uniola paniculata
Cattail
Typha sp.

Common Atamasco-lily
Zephyranthes atamasca
Southern Magnolia
Magnolia grandiflora
Red Bay
Persea borbonia
Little Brown Jug
Hexastylis arifolia
Witch-hazel
Hamamelis virginiana
Sweet Gum
Liquidambar styraciflua
Pignut Hickory
Carya glabra
Common Wax-myrtle
Morella cerifera
White Oak
Quercus alba
Water Oak
Quercus nigra
Live Oak
Quercus virginiana
Sticky Mouse-ear
Cerastium glomeratum
Red Dock
Rumex acetosella
St.-John's-wort
Hypericum sp.

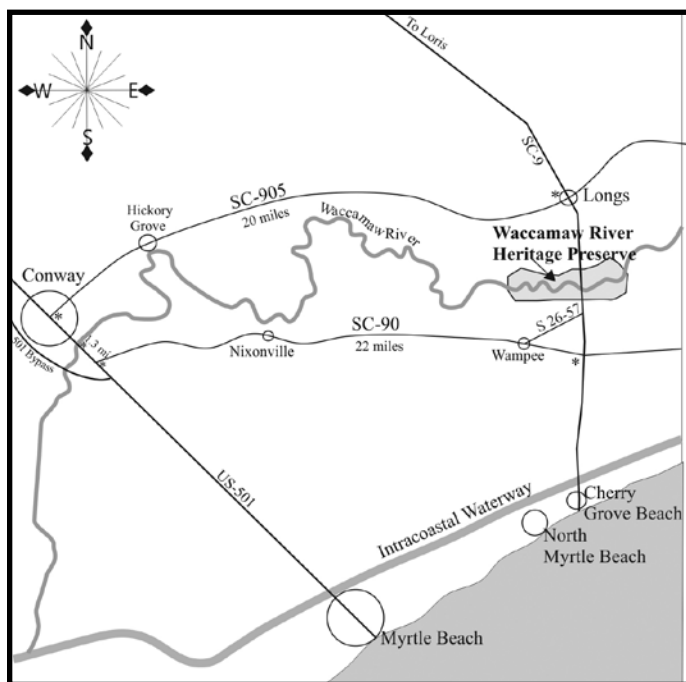
Primrose-leaf Violet <i>Viola primulifolia</i>	Marsh Water-pennywort <i>Hydrocotyle umbellata</i>	Eastern Oyster <i>Crassostrea virginica</i>	Common Tern <i>Sterna hirundo</i>
Violets <i>Viola spp.</i>	Carolina Jessamine <i>Gelsemium sempervirens</i>	Jingle Shell <i>Anomia simplex</i>	Forster's Tern <i>Sterna forsteri</i>
Black Willow <i>Salix nigra</i>	Brazilian Vervain <i>Verbena brasiliensis</i>	Atlantic Surf Clam <i>Spisula solidissima</i>	Least Tern <i>Sterna antillarum</i>
Quaker Bittercress <i>Cardamine pensylvanica</i>	Beautyberry <i>Callicarpa americana</i>	Atlantic Razor Clam <i>Ensis directus</i>	Sandwich Tern <i>Sterna sandvicensis</i>
Shining Fetterbush <i>Lyonia lucida</i>	Henbit <i>Lamium amplexicaule</i>	Florida Coquina <i>Donax variabilis</i>	Royal Tern <i>Sterna maxima</i>
Sparkleberry <i>Vaccinium arboreum</i>	Lyre-leaf Sage <i>Salvia lyrata</i>	Asiatic Clam <i>Corbicula fluminea</i>	Rock Dove <i>Columba livia</i>
Horsesugar <i>Symplocos tinctoria</i>	Common Toadflax <i>Nuttallanthus canadensis</i>	Cross-barred Venus (shell) <i>Chione cancellata</i>	Mourning Dove <i>Zenaidura macroura</i>
Climbing Hydrangea <i>Decumaria barbara</i>	Speedwell <i>Veronica sp.</i>	Northern Quahog Clam <i>Mercenaria mercenaria</i>	Red-bellied Woodpecker <i>Melanerpes carolinus</i>
Carolina Laurel Cherry <i>Prunus caroliniana</i>	Chinese Privet <i>Ligustrum sinense</i>	Honey Bee <i>Apis mellifera</i>	Eastern Phoebe <i>Sayornis phoebe</i>
Black Cherry <i>Prunus serotina serotina</i>	Wild Olive <i>Osmanthus americanus</i>	Minute Ground Beetle <i>Miopachys flavicauda</i>	Blue Jay <i>Cyanocitta cristata</i>
Southern Dewberry <i>Rubus trivialis</i>	Squawroot <i>Conopholis americana</i>	Garden Scarab Beetle <i>Serica sericea</i>	Fish Crow <i>Corvus ossifragus</i>
Low Hop Clover <i>Trifolium dubium</i>	Cross-vine <i>Bignonia capreolata</i>	Click Beetle <i>Melanotus hyslopi</i>	Tufted Titmouse <i>Parus bicolor</i>
Tiny Vetch <i>Vicia hirsuta</i>	Quaker Ladies <i>Houstonia caerulea</i>	Darkling Beetle <i>Uloa punctulata</i>	Carolina Chickadee <i>Parus carolinensis</i>
Spring Silverberry <i>Elaeagnus umbellata parvifolia</i>	Partridge-berry <i>Mitchella repens</i>	Grape Flea Beetle <i>Altica chalybea</i>	White-breasted Nuthatch <i>Sitta carolinensis</i>
Flowering Dogwood <i>Cornus florida</i>	Japanese Honeysuckle <i>Lonicera japonica</i>	Cloudless Sulphur <i>Phoebis sennae eubule</i>	Carolina Wren <i>Thryothorus ludovicianus</i>
Hearts-a-burstin'-with-love <i>Euonymus americanus</i>	Coral Honeysuckle <i>Lonicera sempervirens</i>	Sand Tiger Shark (tooth) <i>Odontaspis faurus</i>	Blue-gray Gnatcatcher <i>Poliophtila caerulea</i>
American Holly <i>Ilex opaca opaca</i>	Common Elderberry <i>Sambucus canadensis</i>	Spring Peeper <i>Pseudacris crucifer</i>	Northern Mockingbird <i>Mimus polyglottos</i>
Yaupon <i>Ilex vomitoria</i>	Common Dog-fennel <i>Eupatorium capillifolium</i>	Southern Leopard Frog <i>Lithobates sphenoccephala</i>	Cedar Waxwing <i>Bombycilla cedrorum</i>
Virginia-creeper <i>Parthenocissus quinquefolia</i>	Spoonleaf Purple Everlasting <i>Gamochaeta purpurea</i>	Red-bellied Water Snake <i>Nerodia erythrogaster</i>	Yellow-rumped Warbler <i>Dendroica coronata</i>
Red Maple <i>Acer rubrum</i>	Virginia Dwarf-dandelion <i>Krigia virginica</i>	Banded Water Snake <i>Nerodia fasciata</i>	Black-throated Green Warbler <i>Dendroica virens</i>
Red Buckeye <i>Aesculus pavia pavia</i>	Common Dandelion <i>Taraxacum officinale</i>	Horned Grebe <i>Podiceps auritus</i>	Northern Cardinal <i>Cardinalis cardinalis</i>
Winged Sumac <i>Rhus copallinum</i>	Yellow Morel <i>Morchella esculenta</i>	Brown Pelican <i>Pelecanus occidentalis</i>	Eastern Towhee <i>Pipilo erythrophthalmus</i>
Eastern Poison Ivy <i>Toxicodendron radicans radicans</i>	FAUNA	Double-crested Cormorant <i>Phalacrocorax auritus</i>	White-throated Sparrow <i>Zonotrichia albicollis</i>
Southern Yellow Wood-sorrel <i>Oxalis dillenii</i>	Southern Moon Snail; Shark-eye <i>Polinices duplicatus</i>	Sanderling <i>Calidris alba</i>	Brown-headed Cowbird <i>Molothrus ater</i>
Southern Carolina Crane's-bill <i>Geranium carolinianum carolinianum</i>	Atlantic Nut Clam <i>Nucula proxima</i>	Ruddy Turnstone <i>Arenaria interpres</i>	Boat-tailed Grackle <i>Quiscalus major</i>
Devil's-walking-stick <i>Aralia spinosa</i>	Freshwater Mussel <i>Villosa vibex</i>	Laughing Gull <i>Larus atricilla</i>	American Goldfinch <i>Carduelis tristis</i>
English Ivy <i>Hedera helix helix</i>	Transverse Ark <i>Anadara transversa</i>	Ring-billed Gull <i>Larus delawarensis</i>	Gray Squirrel <i>Sciurus carolinensis</i>
		Herring Gull <i>Larus argentatus</i>	Bottle-nosed Dolphin <i>Tursiops truncatus</i>

Waccamaw River Heritage Preserve

11/21/1998

Riverine hardwood bottomland is the special feature of this preserve. It protects a classic floodplain forest, plus stands of Atlantic White Cedar. The river is a black-water river. The floodplain is a corridor for many birds and mammals, including both year round residents and migratory species.

Directions: From Conway, take SC-905 east about 20 miles through Hickory Grove to Longs. Turn right (south toward Little River) onto SC-9. In about 2 miles SC-9 crosses the Waccamaw River, where there is a boat landing and parking area.



**Waccamaw River Heritage
Preserve**
Horry Co., SC
November 21, 1998

LICHENS

Graphis scripta
Graphis insidiosa
Brigantiaea leucoxantha
Cladonia subtenuis
Cladonia chlorophaea
Cladonia polycarpoides
Pertusaria texana
Pertusaria multipunctoides
Hypotrachyna livida
Parmotrema cristiferum
Parmotrema hypotropum
Parmotrema michauxianum
Parmotrema perforatum
Flavoparmelia caperata
Canoparmelia caroliniana
Rimelia reticulata
Parmelinopsis minarum
Ramalina americana
Usnea strigosa
Physcia millegrana
Pyrenula cruenta
Pyrenula pseudobufonia
Pyrenula citrifomis
Arthonia sp.
Trypethelium mastoideum
Leproloma membranaceum

FLORA

Peat Moss
Sphagnum sp.
Cinnamon Fern
Osmunda cinnamomea
Bracken
Pteridium aquilinum
Netted Chain Fern
Woodwardia areolata

Ebony Spleenwort
Asplenium platyneuron
Resurrection Fern
Pleopeltis polypodioides
michauxiana
Loblolly Pine
Pinus taeda
Bald-cypress
Taxodium distichum
Giant Cane
Arundinaria gigantea
Common Little Bluestem
Schizachyrium scoparium
scoparium
Curlyleaf Yucca
Yucca filamentosa
Common Greenbrier
Smilax rotundifolia
Jackson-brier
Smilax smallii
Sweetbay
Magnolia virginiana
Red Bay
Persea borbonia
Sassafras
Sassafras albidum
Little Brown Jug
Hexastylis arifolia
Sweet Gum
Liquidambar styraciflua
Water-elm
Planera aquatica
Hickory
Carya sp.
Common Wax-myrtle
Morella cerifera
Water Oak
Quercus nigra
Cherrybark Oak
Quercus pagoda
Willow Oak
Quercus phellos
Live Oak
Quercus virginiana

River Birch
Betula nigra
Ti-ti
Cyrilla racemiflora
Coastal Sweet Pepperbush
Clethra alnifolia
Doghobble
Leucothoe sp.
Shining Fetterbush
Lyonia lucida
Sparkleberry
Vaccinium arboreum
American Persimmon
Diospyros virginiana
Horsesugar
Symplocos tinctoria
Black Cherry
Prunus serotina serotina
Common Sensitive-plant
Chamaecrista nictitans
nictitans
Bladderpod
Glottidium vesicarium
Harper's Seedbox
Ludwigia maritima
Meadow-beauty
Rhexia sp.
Flowering Dogwood
Cornus florida
Water Tupelo
Nyssa aquatica
American Mistletoe
Phoradendron serotinum
serotinum
Hearts-a-burstin'-with-love
Euonymus americanus
Dahoon
Ilex cassine cassine
American Holly
Ilex opaca opaca
Muscadine
Vitis rotundifolia rotundifolia
Red Maple
Acer rubrum
Winged Sumac
Rhus copallinum
Queen-Anne's-lace
Daucus carota
Carolina Jessamine
Gelsemium sempervirens
Water Ash
Fraxinus caroliniana
Woolly Mullein
Verbascum thapsus
Trumpet-creeper
Campsis radicans
Buttonbush
Cephalanthus occidentalis
Partridge-berry
Mitchella repens
Richardia
Richardia sp.
Japanese Honeysuckle
Lonicera japonica
Common Dog-fennel
Eupatorium capillifolium
Spoonleaf Purple Everlasting
Gamochaeta purpurea
Grass-leaved Golden-aster
Pityopsis sp.
Rough-leaved Goldenrod
Solidago rugosa

Cocklebur
Xanthium strumarium
Carbon-balls (fungus)
Daldinia concentrica
Tree-ear
Auricularia auricula
Hemlock Varnish Shelf
Ganoderma tsugae
Cracked-cap Polypore
Phellinus sp.
Turkey-tail
Trametes versicolor
Red Russula
Russula sp.
Carnival Candy Slime
Arcyria denudata

FAUNA

Flattened Filter Clam
Elliptio complanatus
Long-jawed Orb-weaver
Tetragnatha laboriosa
Fishing Spider
Dolomedes sp.
False Wolf Spider
Schizocosa crassipes
Short-winged Green Grasshopper
Dichromorpha viridis
Band-winged Grasshopper
Chortophaga australior
American Bird Grasshopper
Schistocerca americana
Mischievous Bird Grasshopper
Schistocerca damnifica
Field Cricket
Gryllus sp.
Carolina Mantis (egg)
Stagmomantis carolina
Wax Scale
Ceroplastes sp.
Red Imported Fire Ant
Solenopsis invicta
Fawn Darner
Boyeria vinosa
Dingy Ground Beetle
Harpalus pensylvanicus
Carion Beetle
Necrodes surinamensis
Flat Bark Beetle
Cathartus sp.
Darkling Beetle
Platyedema sp.
Rice Weevil
Sitophilus zeamais
Pearl Crescent (butterfly)
Phyciodes tharos
Tent Caterpillar (egg)
Malacasoma sp.
Gray Treefrog
Hyla chrysoscelis/ versicolor
Green Treefrog
Hyla cinerea
Green Anole
Anolis carolinensis
Ringneck Snake
Diadophis punctatus
Turkey Vulture
Cathartes aura
Northern Harrier
Circus cyaneus

Mourning Dove
Zenaida macroura
Northern Flicker
Colaptes auratus
Eastern Phoebe
Sayornis phoebe

American Crow
Corvus brachyrhynchos
Carolina Chickadee
Parus carolinensis
Winter Wren
Troglodytes troglodytes

Eastern Bluebird
Sialia sialis
American Robin
Turdus migratorius
White-eyed Vireo
Vireo griseus

Northern Cardinal
Cardinalis cardinalis
Song Sparrow
Melospiza melodia
Boat-tailed Grackle
Quiscalus major

Waites Island

09/26/1998

This property is owned by Coastal Carolina University and is not open to the public unless prior permission is obtained. The island is the northern-most outer beach in the state, extending from Little River Inlet south to Cherry Grove. Being relatively undisturbed it provides a good outer coastal barrier island habitat.

Directions: From Conway take US-501 south and turn left (east) onto SC-90. Drive about 22 miles and turn right onto SC-9. In about 2 miles you will reach US-17; turn south toward Myrtle Beach. Take the first exit after crossing the intercoastal waterway, and take county road 236 to Waites Island. From Myrtle Beach take US-17 and exit onto CR-236 just before the intercoastal waterway. Waites Island is at the end of the road.

Waites Island
Horry Co., SC
September 26, 1998

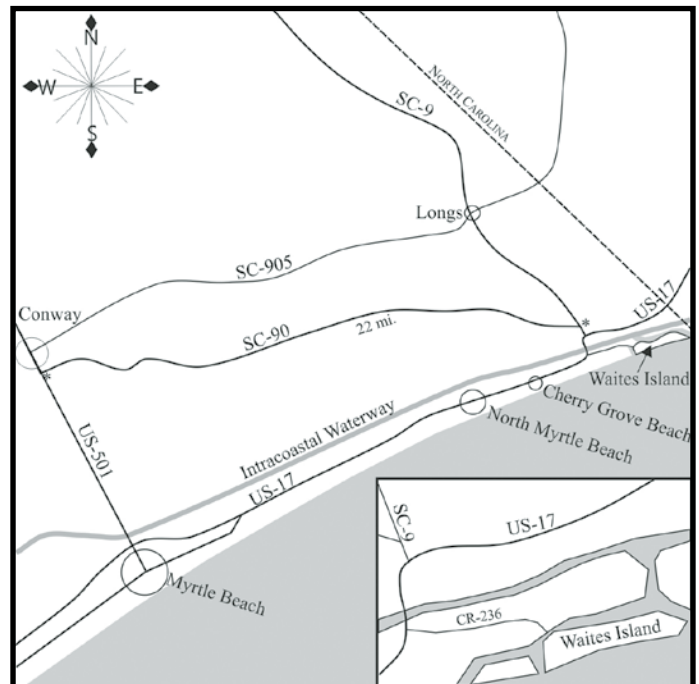
LICHENS

Graphis scripta
Candelaria concolor
Parmotrema michauxianum
Parmotrema perforatum
Usnea strigosa
Physcia millegrana
Pyrenula cruenta

FLORA

Bracken
Pteridium aquilinum
Slash Pine
Pinus elliottii elliottii
Longleaf Pine
Pinus palustris
Loblolly Pine
Pinus taeda
Southern Red Cedar
Juniperus virginiana silicicola
Black Needle Rush
Juncus roemerianus
Sedge
Carex sp.
Broomsedge
Andropogon sp.
Dune Sandspur
Cenchrus tribuloides
Pampasgrass
Cortaderia selloana
Panic Grass
Panicum sp.

Common Reed
Phragmites australis australis
Saltmarsh Foxtail-grass
Setaria magna
Johnson Grass
Sorghum halepense
Saltmarsh Cordgrass
Spartina alterniflora
Sea Oats
Uniola paniculata
Common Cattail
Typha latifolia
Mound-lily Yucca
Yucca gloriosa
Catbrier
Smilax bona-nox
Red Bay
Persea borbonia
Hickory
Carya sp.
Common Wax-myrtle
Morella cerifera
Water Oak
Quercus nigra
Willow Oak
Quercus phellos
Live Oak
Quercus virginiana
Dotted Smartweed
Persicaria punctata
Swamp Cottonwood
Populus heterophylla
Black Willow
Salix nigra
Flowering Dogwood
Cornus florida
American Holly
Ilex opaca opaca



Yaupon
Ilex vomitoria
Peppervine
Ampelopsis arborea
Virginia-creeper
Parthenocissus quinquefolia
Muscadine
Vitis rotundifolia rotundifolia
Poison Oak
Toxicodendron pubescens
Eastern Poison Ivy
Toxicodendron radicans
radicans
Dune Water-pennywort
Hydrocotyle bonariensis
Trumpet-creeper
Campsis radicans
Silverling
Baccharis halimifolia
Coastal Dog-fennel
Eupatorium compositifolium
Dune Camphorweed
Heterotheca subaxillaris
Goldenrod
Solidago sp.

FAUNA

Sea-whip
Leptogorgia virgulata

Deadman's-fingers (sponge)
Briareum asbestinum
Netted Sea-star
Luidia clathrata
Common Sea-star
Asterias forbesii
Brown Rock Urchin
Arbacia punctulata
Five-holed Keyhole Urchin
Mellita quinquiesperforata
Marsh Periwinkle; Mud Snail
Littorina irrorata
Common Slipper (snail)
Crepidula fornicata
Southern Moon Snail; Shark-eye (egg)
Polinices duplicatus
Baby's-ear (shell)
Sinum perspicuum
Common Fig Shell
Ficus communis
Channeled Whelk
Busycon canaliculatum
Knobbed Whelk
Busycon carica
Banded Tulip (snail)
Fasciolaria hunteria
Lettered Olive (snail)
Oliva sayana

Atlantic Nut Clam*Nucula proxima***Ribbed Mussel***Geukensia demissa***Transverse Ark***Anadara transversa***Amber Pen (shell)***Pinna carnea***Eastern Oyster***Crassostrea virginica***Cat's-paw; Kitten's-paw***Plicatula gibbosa***Jingle Shell***Anomia simplex***Yellow Cockle; Common Cockle***Trachycardium muricatum***Atlantic Razor Clam***Ensis directus***Lined Tellin (shell)***Tellina alternata***Coquina (shell)***Donax* sp.**Cross-barred Venus (shell)***Chione cancellata***Disk (shell)***Dosinia discus***False Angel-wing (shell)***Petricola pholadiformis***Angel-wing (shell)***Cyrtopleura costata***Atlantic Horseshoe Crab***Limulus polyphemus***Gulf Calico Crab***Hepatus epheliticus***Mottled Purse Crab***Persephona mediterranea***Speckled Crab***Arenaeus cribrarius***Common Blue Crab***Callinectes sapidus***Lady Crab***Ovalipes ocellatus***Stone Crab***Menippe mercenaria***Ghost Crab(tracks)***Ocypode quadrata***Orchard Spider***Leucauge venusta***Lone Star Tick***Amblyomma americanum***Carpenter Ant***Camponotus* sp.**White Beach Tiger Beetle***Cicindela dorsalis media***Palamedes Swallowtail***Papilio palamedes***Cloudless Sulphur***Phoebis sennae eubule***Mourning Cloak***Nymphalis antiopa***American Lady (butterfly)***Vanessa virginiensis***Queen (butterfly)***Danaus gilippus***Skate (egg case)***Raja* sp.**Loggerhead Sea Turtle (nest, egg)***Caretta caretta***Brown Pelican***Pelecanus occidentalis***Tricolored Heron***Egretta tricolor***Little Blue Heron***Egretta caerulea***Snowy Egret***Egretta thula***Great Egret***Casmerodius albus***Great Blue Heron***Ardea herodias***Wood Stork***Mycteria americana***White Ibis***Eudocimus albus***Clapper Rail***Rallus longirostris***Black-bellied Plover***Pluvialis squatarola***Sanderling***Calidris alba***Herring Gull***Larus argentatus***Forster's Tern***Sterna forsteri***Caspian Tern***Sterna caspia***Turkey Vulture***Cathartes aura***Northern Harrier***Circus cyaneus***Osprey***Pandion haliaetus***Mourning Dove***Zenaida macroura***Belted Kingfisher***Ceryle alcyon***Red-bellied Woodpecker***Melanerpes carolinus***Pileated Woodpecker***Dryocopus pileatus***Blue Jay***Cyanocitta cristata***Northern Mockingbird***Mimus polyglottos***Red-winged Blackbird***Agelaius phoeniceus***Hispid Cotton Rat***Sigmodon hispidus***Raccoon (tracks)***Procyon lotor***White-tailed Deer (tracks, bones)***Odocoileus virginianus*

(Clockwise starting bottom left.)

Wood Stork, *Mycteria americana*, by Gene Ott.Black Racer, *Coluber constrictor*, by Gene Ott.Green Stink Bug, *Acrosternum hilare*, by Mary Garland Douglass.