

APPENDIX G
PRIORITY ANIMAL SPECIES AND HABITAT ASSOCIATIONS IN
THE COASTAL PLAIN ECOREGION OF SOUTH CAROLINA

						Pine Woodland	Sandhill Pine Woodland	Mesic Forest	Carolina Bays	Hardwood Slopes & Stream Bottoms	Blackwater Stream Systems	River Bottoms	Depressions	Upland Mixed Forest	Maritime Forest	Streams/Rivers/Lakes	Grasslands/Early-Successional		
SCIENTIFIC NAME	COMMON NAME	G-RANK	S-RANK	LEGAL STATUS	PRIORITY													SPECIFIC HABITAT REQUIREMENTS	
BIRDS																			
<i>Actitis macularia</i>	Spotted Sandpiper	G5	SNA		Moderate												X		tidal to freshwater systems; primarily coastal but occurs inland
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	State Species of Concern	Highest	X	X											X	dense grass amongst pines for nesting; saw palemettos in coastal areas
<i>Aix sponsa</i>	Wood Duck	G5	SNRB,SNRN,SNRM		High				X		X	X					X		nest cavities near fresh water; emergent vegetation; ponds, lakes, rivers, swamps, BEAVER PONDS
<i>Ammodramus henslowii</i>	Henslow's Sparrow	G4	SZN		Highest	X	X		X				X					X	moist, grassy areas in open pinewoods
<i>Ammodramus savannarum</i>	Grasshopper Sparrow	G5	SNRB,SNRN		State Species of Concern	Highest	X			X				X					X
<i>Anas acuta</i>	Northern Pintail	G5	SNRN		Highest							X					X		shallow open water with accessible plants and invertebrates
<i>Anas discors</i>	Blue-winged Teal	G5	SNRB,SNRN		Moderate							X					X		shallow open water with accessible plants and invertebrates
<i>Anas fulvigula</i>	Mottled Duck	G4	S?		Moderate							X					X		shallow open water with accessible plants and invertebrates
<i>Anas platyrhynchos</i>	Mallard	G5	SNRB,SNRN		Highest				X		X	X					X		freshwater boides for foraging; shallow water with accessible plants and invertebrates
<i>Anas rubripes</i>	American Black Duck	G5	SNRN		Highest							X					X		shallow open water with accessible plants and invertebrates
<i>Anhinga anhinga</i>	Anhinga	G5	SNRB,SNRN		Moderate						X	X					X		fresh or brackish water for foraging; trees over or surrounded by water for nesting
<i>Ardea alba</i>	Great Egret	G5	SNRB,SNRN		High				X		X	X	X				X		shallow water bodies or shorelines for foraging; trees over or surrounded by water for nesting
<i>Ardea herodias</i>	Great Blue Heron	G5	SNRB,SNRN		Moderate				X		X	X	X				X		shallow water bodies or shorelines for foraging; trees over or surrounded by water for nesting
<i>Aythya collaris</i>	Ring-necked Duck	G5	SNRN		Moderate				X		X	X							submerged aquatic vegetation and invertebrates such as mollusks
<i>Bartramia longicauda</i>	Upland Sandpiper	G5	SNA		Highest													X	extensive grasslands; may use plowed fields; uncommon but can occur throughout state
<i>Botaurus lentiginosus</i>	American Bittern	G4	SNRN	State Species of Concern	Highest						X	X				X	X		extensive freshwater marshes with grasses>3ft. Tall
<i>Buteo lineatus</i>	Red-shouldered Hawk	G5	SNR		Moderate			X	X	X	X	X				X			wet or moist hardwood forests for nesting and foraging
<i>Buteo platypterus</i>	Broad-winged Hawk	G5	S4		Moderate					X	X	X		X					upland hardwood or mixed forests; forage within woodlands; nests in tree crotches in canopy
<i>Butorides virescens</i>	Green Heron	G5	SNRB,SNRN		Highest				X	X	X	X	X			X	X		shallow water bodies and shorelines for foraging; dense shrubs and thickets near water for nesting
<i>Calidris fuscicollis</i>	White-rumped Sandpiper	G5	SNA		Moderate												X		most frequent in managed impoundments
<i>Calidris himantopus</i>	Stilt Sandpiper	G5	SNA		High												X		most frequent in fresh to brackish ponds/impoundments

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SCIENTIFIC NAME	COMMON NAME	G-RANK	S-RANK	LEGAL STATUS	PRIORITY													SPECIFIC HABITAT REQUIREMENTS
<i>Calidris melanotos</i>	Pectoral Sandpiper	G5	SNA		Moderate											X		more common away from coast
<i>Calidris minutilla</i>	Least Sandpiper	G5	SNRN		High											X		forages in clumps of marine vegetation; common on coast
<i>Caprimulgus carolinensis</i>	Chuck-will's-widow	G5	S4		High	X	X	X	X	X	X	X		X	X		X	openings for nocturnal feeding; mixed forests with light to moderate understory
<i>Caprimulgus vociferus</i>	Whip-poor-will	G5	S4		High			X						X			X	openings for nocturnal feeding; mixed forests with light to moderate understory
<i>Ceryle alcyon</i>	Belted Kingfisher	G5	SNR		High				X		X	X						sandy vertical banks for nesting burrows; perches near water for foraging
<i>Chaetura pelagica</i>	Chimney Swift	G5	SNRB		High	X	X										X	open areas for foraging; cavity for nesting (often chimneys)
<i>Cistothorus platensis</i>	Sedge Wren	G5	SUB		Highest				X		X		X					favor brackish marshes
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo	G5	S4		High			X		X	X	X			X			closed canopy deciduous forests with thick tangles
<i>Colinus virginianus</i>	Northern Bobwhite	G5	S4		Highest	X	X										X	brushy areas and grasslands, thickets, woodland margins
<i>Columbina passerine</i>	Common Ground-Dove	G5	SNR	State Threatened	Highest	X											X	shrubs near openings for nesting; sandy bare ground or short grass for foraging
<i>Contopus virens</i>	Eastern Wood-Pewee	G5	S5		High	X	X	X	X	X	X			X				open forests with sparse midstory
<i>Dendroica discolor</i>	Prairie Warbler	G5	S4		High	X	X							X			X	open old fields with scattered saplings; open woodlands with shrub-scrub
<i>Dendroica pinus</i>	Pine Warbler	G5	SNR		Moderate	X	X											typically middle to mature pine forests
<i>Dryocopus pileatus</i>	Pileated Woodpecker	G5	SNR		Moderate	X	X	X	X	X	X	X		X	X			extensive mature forests with dead snags for nest cavities; probably prefer riverbottom hardwoods
<i>Egretta caerulea</i>	Little Blue Heron	G5	SNRB,SNRN	State Species of Concern	Highest				X	X	X	X	X			X		shorelines, shallow water, or mudflats for foraging; shrubs or trees over or surrounded by water for colonial nesting
<i>Egretta thula</i>	Snowy Egret	G5	SNRB,SNRN		Moderate				X	X	X	X	X			X		shorelines, shallow water, or mudflats for foraging; shrubs or trees over or surrounded by water for colonial nesting
<i>Egretta tricolor</i>	Tricolored Heron	G5	SNRB,SNRN		High								X			X		shorelines, shallow water, or mudflats for foraging; shrubs or trees over or surrounded by water for colonial nesting
<i>Elanoides forficatus</i>	Swallow-tailed Kite	G5	S2	State Endangered	Highest	X	X			X	X	X		X			X	open savannahs for foraging; mature trees for nesting near swamps and marshes
<i>Empidonax virescens</i>	Acadian Flycatcher	G5	S4B		High					X	X	X		X				Riverbanks, streams, banks, alder zones
<i>Eudocimus albus</i>	White Ibis	G5	SNR		Highest				X	X	X	X	X			X		shallow water or mudflats for foraging on crustaceans; wet meadows or mudflats for probing; thickets or trees over or surrounded by fresh water for colonial nesting
<i>Euphagus carolinus</i>	Rusty Blackbird	G4	SNRN		Highest					X	X	X			X			swamps and margins; wet thickets near hardwoods
<i>Falco sparverius paulus</i>	American Kestrel	G5	SNR		Highest		X										X	nest cavity in large open area; extensive open areas with high perches for foraging

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SCIENTIFIC NAME	COMMON NAME	G-RANK	S-RANK	LEGAL STATUS	PRIORITY													SPECIFIC HABITAT REQUIREMENTS
<i>Fulica americana</i>	American Coot	G5	SHB,SNRN		Moderate						X	X						open shallow fresh water such as lakes, ponds, and bays for foraging
<i>Gallinago gallinagodelicata</i>	Wilson’s Snipe	G5	SNRN		High				X			X	X				X	boggy areas; wet meadows with short grass; along pond and marsh margins for probe foraging
<i>Gallinula galeata</i>	Common Gallinule	G5	SNR		Moderate						X	X						open freshwater with marsh vegetation for foraging and nesting
<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S2	State Endangered	High							X		X				tall living trees, especially pines for nesting; perches near large open water where foraging occurs
<i>Hylocichla mustelina</i>	Wood Thrush	G5	S3?		High			X		X	X	X		X	X			moist understory of shrubs or saplings in deciduous woodlands; leaf litter
<i>Icteria virens</i>	Yellow-breasted Chat	G5	S4B		High	X	X							X			X	old fields, briar thickets, dry woodland margins;
<i>Icterus spurius</i>	Orchard Oriole	G5	S5?B		Moderate	X	X							X			X	orchard-like sttings; woodland margins
<i>Ixobrychus exilis</i>	Least Bittern	G5	SNRB,SNRN		Highest				X		X	X			X			shallow water bodies for foraging; marsh vegetation
<i>Junco hyemalis</i>	Dark-eyed Junco	G5	SNRB,SNRN		Moderate	X	X										X	short grass openings near conifer woodlands
<i>Lanius ludovicianus</i>	Loggerhead Shrike	G4	S3	State Species of Concern	Highest												X	open areas with perches
<i>Limnodromus scolopaceus</i>	Long-billed Dowitcher	G5	SNRN		Moderate											X		most common in fresh coastal wetlands
<i>Limnothlypis swainsonii</i>	Swainson's Warbler	G4T4	S4		High			X		X	X	X		X	X			in mountains: deciduous or mixed forest ravines with thick understory of rhododendron or mountain laurel; at coast: cane stands in hardwoods
<i>Melanerpes carolinus</i>	Red-bellied Woodpecker	G5	SNR		Moderate	X	X	X	X	X	X	X		X	X			open, mature woods with dead snags for nest cavities; man-made poles with cavities
<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	G5	SNR		Moderate	X	X	X		X	X	X		X	X			open, mature woods with dead snags for nest cavities; man-made poles with cavities
<i>Mniotilta varia</i>	Black-and-white Warbler	G5	SNRB,SNRN		High			X		X	X	X						mature hardwood forests; coves
<i>Mycteria americana</i>	Wood Stork	G4	S1S2	Federally Threatened and State Endangerd	Highest				X	X	X	X	X			X		shallow water with concentrated prey (6-10 in. deep) for foraging; trees over or surrounded by water for colonial nesting, particularly cypress swamps and trees on small islands
<i>Nyctanassa violacea</i>	Yellow-crowned Night Heron	G5	SNRB,SNRN		Highest				X	X	X	X	X			X		shorelines of water bodies for foraging, especially for crustaceans; trees or thickets near water for colonial nesting, will nest in trees that are on dry lands
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron	G5	SNRB,SNRN		Highest				X	X	X	X			X			shorelines of water bodies for foraging; shrubs or trees over or surrounded by water for colonial nesting
<i>Oporornis formosus</i>	Kentucky Warbler	G5	S4		High			X		X	X	X			X			moist hardwood forests with rich understory
<i>Parula americana</i>	Northern Parula	G5	SNRB		Moderate			X		X	X	X			X			mature, moist forests; hemlock forests in mountains and swamps or bottomlands with Spanish moss near coast

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<i>Passerina caerulea</i>	Blue Grosbeak	G5	SNRB		Moderate	X								X			X	hardwood saplings or shrubs for nesting; open areas
<i>Passerina ciris</i>	Painted Bunting	G5	SNRB	State Species of Concern	Highest	X								X	X		X	woodland margins; dense thickets in openings
<i>Passerina cyanea</i>	Indigo Bunting	G5	SNRB		Moderate	X	X							X			X	woodland margins; shrubby thickets in openings
<i>Pelicanus occidentalis</i>	Brown Pelican	G4	S1S2		High											X		ephemeral islands with shrubs and grasses for nesting; shallow marine waters and estuaries for foraging
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	Federal and State Endangerd	Highest	X	X											open pine woods with little to no understory; prefers longleaf; heartwood disease for nest cavity excavation
<i>Picoides pubescens</i>	Downy Woodpecker	G5	SNR		Moderate	X	X	X	X	X	X	X		X	X			middle-aged to mature woodlands; prefer hardwoods; dead snags for nest cavities
<i>Pipilo erythrophthalmus</i>	Eastern Towhee	G5	SNR		High	X	X	X	X	X	X	X		X	X		X	brushy areas; woodland margins and understory
<i>Piranga rubra</i>	Summer Tanager	G5	S?		Moderate	X	X	X		X	X	X		X				dry, mixed woodlands
<i>Platalea ajaja</i>	Roseate Spoonbill	G5	SNR		Moderate											X		shallow water for tactile feeding; shrubs or trees over or surrounded by water for colonial nesting, particularly thickets of small trees on coastal islands
<i>Plegadis falcinellus</i>	Glossy Ibis	G5	SHB,SNRN		Moderate											X		shallow water, mudflats, or wet meadows for probing and foraging; shrubs or trees over or surrounded by water for colonial nesting, particularly dense thickets on coastal islands
<i>Pluvialis dominica</i>	American Golden Plover	G5	SNA		Highest											X		rare migrant
<i>Podiceps auritus</i>	Horned Grebe	G5	SNRN,SNRM		Highest											X		small fish as prey
<i>Podilymbus podiceps</i>	Pied-billed Grebe	G5	SNRB,SNRN		Highest				X							X		fresh or slightly brackish water with emergent vegetation within used for nesting; open water in winter for foraging
<i>Poecile carolinensis</i>	Carolina Chickadee	G5	SNR		Moderate	X	X	X		X	X	X		X	X			mature woodlands with dead snags for nest cavities; will use bird boxes
<i>Porphyrio martinica</i>	Purple Gallinule	G5	S4	State Species of Concern	Highest							X				X		freshwater marshes with emergent and floating vegetation for foraging and nesting
<i>Porzana carolina</i>	Sora	G5	SNRN		High				X		X	X						freshwater marshes for foraging and nesting
<i>Progne subis</i>	Purple Martin	G5	SNRB		High								X				X	forage over open areas near or over water; nest in man-made houses or gourds
<i>Protonotaria citrea</i>	Prothonotary Warbler	G5	S3B		Moderate			X		X	X	X			X			near standing water; open swamps with cavities for nesting; willow thickets near lakes and ponds; old stumps and other rotting logs
<i>Rallus elegans</i>	King Rail	G4	SNR		Highest						X	X						mudflats and shallow fresh or brackish water for foraging
<i>Recurvirostra americana</i>	American Avocet	G5	SNRN		High											X		most frequent in managed impoundments
<i>Regulus satrapa</i>	Golden-crowned Kinglet	G5	S4		Moderate	X	X	X		X	X	X		X				winter in coniferous or mixed woodlands

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<i>Scolopax minor</i>	American Woodcock	G5	S4		Moderate	X					X	X					X	moist soils and leaf litter for probe foraging; woodlands for nesting; openings for mating displays
<i>Seiurus motacilla</i>	Louisiana Waterthrush	G5	S4		High			X	X	X	X	X						deciduous or mixed forests with rocky streams
<i>Setophaga dominica</i>	Yellow-throated Warbler	G5	S3?		Moderate	X	X					X		X	X			moderately open, mature, moist forests; pines, mixed forests; Spanish moss
<i>Setophaga virens waynei</i>	Black-throated Green Warbler (Wayne's)	G5TU	SNR		Highest					X	X	X			X			coastal moist forests like swamps and bottomlands with cypress and white cedar
<i>Sitta pusilla</i>	Brown-headed Nuthatch	G5	S4		Moderate	X	X											mature, open pines for foraging; nest cavities in snags
<i>Spiza americana</i>	Dickcissel	G5	SNRB		Moderate												X	open, grassy areas
<i>Spizella pusilla</i>	Field Sparrow	G5	S5?		High	X											X	saplings and shrubs in weedy thickets and woodland margins
<i>Sturnella magna</i>	Eastern Meadowlark	G5	SNR		High	X											X	short to medium-height grasses for nesting and foraging
<i>Thryothorus ludovicianus</i>	Carolina Wren	G5	SNR		Moderate	X	X	X	X	X	X	X		X	X			woodland thickets; leaf litter; cavities or ledges for nesting; will use bird boxes and many other human material
<i>Toxostoma rufum</i>	Brown Thrasher	G5	SNR		High	X	X	X		X	X	X		X	X		X	moderate to dense brush and saplings
<i>Tryngites subruficollis</i>	Buff-breasted Sandpiper	G4	SNA		Highest											X		may be seen in pastures and golf courses; rare migrant; most common in interior
<i>Tyrannus tyrannus</i>	Eastern Kingbird	G5	SNRB		High												X	open areas with scattered trees and other perches
<i>Tyto alba</i>	Barn Owl	G5	S4	State Species of Concern	Moderate	X											X	grasslands or marshes for foraging; nest cavities; dense roosting cover
<i>Vireo flavifrons</i>	Yellow-throated Vireo	G5	S3?B		Moderate			X		X	X	X			X			open, moist, mature, deciduous woodlands with tall trees; near water
<i>Vireo griseus</i>	White-eyed Vireo	G5	S4?B		Moderate			X	X	X	X	X		X	X			dense, moist thickets
<i>Wilsonia citrina</i>	Hooded Warbler	G5	S4?B		Moderate			X		X	X	X			X			mature, moist deciduous forests; some mixed forests; rich understory layer
MAMMALS																		
<i>Condylura cristata</i>	Star-nosed Mole	G5	S3?	State Species of Concern	High	X				X		X	X	X				swamps, marshes, bogs, streamsides; dense leaf litter
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3/G4	S2?	State Endangered	Highest	X		X		X	X	X	X	X				T-beam and I-beam bridges, abandoned buildings, old bunkers and tunnels, cavity trees, rock outcrops, mines, caves
<i>Eptesicus fuscus</i>	Big Brown Bat	G5	SNR		Highest	X	X	X	X	X	X	X	X	X	X		X	buildings, cavity trees, under bridges and in bat boxes; forage in open fields or forest gaps
<i>Lasionycteris noctivagans</i>	Silver-haired Bat	G5	SNR		Highest	X	X	X							X			roosts include tree cavities, under loose bark, rock crevices, under tree foliage, and occasionally in buildings, stacks of firewood, and bird boxes; forage over water

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<i>Lasiurus borealis</i>	Red Bat	G5	SNR		Highest	X	X	X	X	X	X	X		X	X			thinned stands; roost on smaller branches or twigs, often in the hardwood tree canopy; may roost in leaf litter
<i>Lasiurus cinereus</i>	Hoary Bat	G5	S?		Highest	X	X	X	X	X	X	X	X	X	X			tree cavities, trunks, tree foliage, squirrel nests, and Spanish moss
<i>Lasiurus intermedius</i>	Northern Yellow Bat	G4/G5	S?	State Species of Concern	Highest	X	X	X		X		X	X	X	X			forage over open areas such as fields, pastures, golf courses, marshes, and along lake and forest edges; roost in clumps of Spanish moss or under old palm fronds
<i>Lasiurus seminolus</i>	Seminole Bat	G5	SNR		Highest	X	X	X	X	X	X	X	X	X				roost in large pines located near forested corridors; may roost in leaf litter
<i>Microtus pennsylvanicus</i>	Meadow Vole	G5	SNR	State Species of Concern	High	X											X	tall grass prairie habitats
<i>Mustela vison</i>	Mink	G5	SNR		High						X	X	X					near swamps, streams, rivers, ponds, and saltwater marshes
<i>Myotis austroriparius</i>	Southeastern Bat	G3/G4	S1	State Species of Concern	Highest			X	X	X	X	X	X	X	X			caves (including limestone sinks), mines, abandoned buildings, and large hollow trees; prefers to feed and roost over water
<i>Neotoma floridana</i>	Eastern Woodrat	G5	S3/S4	State Species of Concern	Moderate	X	X	X		X		X		X	X		X	wide variety of habitats
<i>Perimyotis subflavus</i>	Tri-colored Bat	G5	SNR		Highest	X	X	X	X	X	X	X	X	X	X			abandoned mines and caves, bridges, buildings
<i>Sciurus niger niger</i>	Southern Fox Squirrel	G5	S4	State Species of Concern	Moderate		X			X		X		X				cavity trees
<i>Ursus americanus</i>	Black Bear	G5	S3?	State Species of Concern	Moderate	X	X	X	X	X	X	X	X	X	X		X	early successional habitat and forest interior; den sites
REPTILES & AMPHIBIANS																		
<i>Alligator mississippiensis</i>	American Alligator	G5	S5	Federal Threatened due to Similarity of Appearance to the American Crocodile	Moderate				X			X				X		large river swamps, lakes, ponds, coastal impoundments, abandoned rice fields, brackish water marshes, and estuarine tidal creeks; juveniles will use Carolina bays and other seasonal wetlands; shallow waters preferred
<i>Acris crepitans</i>	Northern Cricket Frog	G5	S5	State Species of Concern	Moderate								X					isolated, temporary wetlands with no fish; open grassy marshes or shallow water bodies
<i>Ambystoma cingulatum</i>	Flatwoods Salamander (Frosted)	G2/G3	S1	Federal Threatened; State Endangered	Highest	X	X	X					X					isolated, temporary wetlands with no fish that have open canopy above and abundant grasses and sedges
<i>Ambystoma tigrinum</i>	Tiger Salamander	G5	S2/S3	State Species of Concern	Highest	X	X	X	X	X			X					isolated, temporary wetlands with no fish that have open canopy above and abundant grasses and sedges
<i>Chelydra serpentina</i>	Snapping Turtle (Common)	G5	SNR		Moderate				X		X	X	X					soft -bottomed wetlands like rivers, ponds, and lakes that have abundant aquatic vegetation
<i>Clemmys guttata</i>	Spotted Turtle	G5	S5	State Threatened	High				X			X	X					small ponds, streams, swamps, flooded bottomland hardwood forests, and other shallow water bodies with soft substrate for burrowing; aquatic vegetation
<i>Crotalus adamanteus</i>	Eastern Diamondback Rattlesnake	G4	S3	State Species of Concern	High	X	X	X							X			underground refugia such as stump holes and rodent burrows

						Pine Woodland	Sandhill Pine Woodland	Mesic Forest	Carolina Bays	Hardwood Slopes & Stream Bottoms	Blackwater Stream Systems	River Bottoms	Depressions	Upland Mixed Forest	Maritime Forest	Streams/Rivers/Lakes	Grasslands/Early-Successional	
SCIENTIFIC NAME	COMMON NAME	G-RANK	S-RANK	LEGAL STATUS	PRIORITY													SPECIFIC HABITAT REQUIREMENTS
<i>Crotalus horridus</i>	Timber Rattlesnake	G4	SNR	State Species of Concern	High	X	X	X				X		X			X	dry, south-facing slopes at high elevations; rock outcrops or logs for den sites with south face exposed to sun
<i>Deirochelys reticularia</i>	Chicken Turtle	G5	SNR	State Threatened	Moderate				X			X						freshwater and wetland systems with still water; surrounding upland habitat of live oak/pine
<i>Eurycea chamberlainii</i>	Chamberlain's Dwarf Salamander	G4	SNR		Highest	X		X	X	X	X	X	X	X				wetland types like seepages near small streams; leaf litter and small debris
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S1	State Endangered; Federal Candidate	Highest		X											fossorial; deep droughty sands in xeric longleaf pine sandhills; open, early successional
<i>Heterodon simus</i>	Southern Hognose Snake	G2	SNR	State Species of Concern	Highest	X	X								X		X	friable soils; underground refugia such as stump holes and rodent burrows; abundance of toads
<i>Hyla avivoca</i>	Bird-voiced Treefrog	G5	S5	State Species of Concern	Moderate							X						large river bottom swamps
<i>Kinosternon baurii</i>	Striped Mud Turtle	G5	S?	State Species of Concern	Moderate				X		X	X	X					in and around the floodplain swamps of rivers; shallow water; soft substrates
<i>Micrurus fulvius</i>	Coral Snake (Harlequin)	G5	S2	State Species of Concern	Highest	X	X	X							X			underground refugia such as stump holes and rodent burrows; loose soil for burrowing
<i>Nerodia floridana</i>	Florida Green Watersnake	G5	S2	State Species of Concern	Highest								X					quiet open water such as Carolina bays, lakes, old rice fields, and reservoirs with "pad plants"
<i>Ophisaurus attenuatus</i>	Slender Glass Lizard	G5	S4		Moderate	X	X	X						X	X		X	underground refugia such as stump holes and rodent burrows; open canopied forests or fields
<i>Ophisaurus compressus</i>	Island Glass Lizard	G3/G4	S1/S2	State Species of Concern	Highest										X			undisturbed coastal areas that are sandy
<i>Pituophis melanoleucus</i>	Pine Snake (Northern)	G4	S2/S3	State Species of Concern	Highest	X	X	X						X				pine sites with dry soils; underground refugia such as stump holes and rodent burrows
<i>Pseudacris feriarum</i>	Upland Chorus Frog	G5	S3/S4	State Species of Concern	Moderate			X	X			X	X					isolated, temporary wetlands with no fish
<i>Pseudemys concinna</i>	River Cooter	G5	SNR	State Species of Concern	Moderate							X				X		Restricted to reservoirs and associated rivers with aquatic vegetation
<i>Pseudemys floridana</i>	Florida Cooter	G5	SNR	State Species of Concern	Moderate							X	X			X		slow-moving rivers and non-flowing wetlands like ponds and small lakes with soft bottoms, basking sites, and aquatic vegetation
<i>Pseudobranchius striatus striatus</i>	Broad-striped Dwarf Siren	G5	S2	State Threatened	Highest				X				X					isolated, shallow, acidic, temporary wetlands with no fish that have open canopy above and abundant grasses and sedges; small streams with no flow and muck bottoms sometimes
<i>Pseudotriton montanus flavissimus</i>	Mud Salamander (Gulf Coast)	G5	S3/S4	State Species of Concern	High					X	X	X				X		fossorial; wetland areas such as cypress-tupelo ponds, floodplain forests, and seepage slopes
<i>Rana capito capito</i>	Gopher Frog (Carolina)	G3/G4	S1	Federal Threatened; State Endangered	Highest	X	X	X					X					isolated, temporary to semi-permanent wetlands with no fish that have open canopy above and abundant grasses and sedges

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SCIENTIFIC NAME	COMMON NAME	G-RANK	S-RANK	LEGAL STATUS	PRIORITY													SPECIFIC HABITAT REQUIREMENTS
<i>Rana palustris</i>	Pickereel Frog	G5	SNR	State Species of Concern	High					X	X	X	X			X		standing water in late winter; moist habitat usually within hardwood forests; sphagnum bogs, meadows, and grassy fields near shaded streams
<i>Rhadinea flavilata</i>	Pine Woods Snake	G4	SNR	State Species of Concern	High	X	X	X						X	X			moist pine flatwoods with many rotten logs; underground refugia such as stump holes and rodent burrows
<i>Seminatrix pygaea</i>	Black Swamp Snake	G5	S?	State Species of Concern	High				X		X	X	X			X		wetlands with abundant aquatic vegetation; leaf litter; <i>Sphagnum</i> moss
<i>Terrapene carolina</i>	Eastern Box Turtle	G5	SNR		Moderate	X		X			X	X		X			X	moist woodlands; sandy or loamy soils in open for egg laying; loose soils and leaf litter for burrowing
<i>Trachemys scripta</i>	Yellow-bellied Turtle	G5	SNR	State Species of Concern	High				X		X	X	X			X		non-flowing wetlands like ponds and small lakes with soft bottoms and abundant vegetation
FISH																		
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	G3	S3	Federal and State Endangered	Highest											X		Moderate flows; sand or gravel substrates for spawning
<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	G3	S3	Federal and State Endangered	Highest											X		Moderate flows; sand or gravel substrates for spawning
<i>Alosa aestivalis</i>	Blueback Herring	G3	S3	State Species of Concern	Highest											X		Moderate flows; sand or gravel substrates for spawning
<i>Alosa mediocris</i>	Hickory Shad	G5	S4	State Species of Concern	Highest											X		Moderate flows; sand or gravel substrates for spawning
<i>Alosa sapidissima</i>	American Shad	G5	S5	State Species of Concern	Highest											X		Moderate flows; sand or gravel substrates for spawning
<i>Ameiurus brunneus</i>	Snail Bullhead	G4	SNR		Moderate											X		Rocky riffles, runs, shoals, and pools in streams and rivers
<i>Anguilla rostrata</i>	American Eel	G4	SNR		Highest											X		Warm ponds, reservoirs, and medium to large rivers in freshwater and brackish habitats
<i>Ameiurus catus</i>	White Catfish	G5	SNR		Moderate											X		Streams, rivers, and impoundments; slow-flowing water along banks and in pools; mud, sand, or rock substrates
<i>Ameriurus platycephalus</i>	Flat Bullhead	G4	SNR		Moderate											X		Calm, acidic blackwater streams; organic matter and aquatic vegetation and woody debris
<i>Chologaster cornuta</i>	Swampfish	G5	SNR		Moderate											X		Pools and runs of creeks and small to medium weed-free rivers; sand to gravel/rubble substrates; branches, stumps, rock crevices, roots for spawning sites
<i>Cyprinella analostana</i>	Satinfin Shiner	G5	SNR		Moderate											X		Cool, clear creeks and small to moderately-sized rivers; rocky runs and pools below riffles; coarse substrate; logs and rocks for crevice spawning
<i>Cyprinella pyrrhomelas</i>	Fieryblack Shiner	G4	S4		Moderate											X		Possibly small to medium-sized streams with sand and rocky runs or current-swept pools
<i>Cyprinella sp.(c.f. zanema)</i>	"Thinlip" Chub	G2Q	S1		Highest											X		Shallow, slow-moving, acidic water of ponds, ditches, and streams; abundant aquatic vegetation
<i>Elassoma boehlkei</i>	Carolina Pygmy Sunfish	G2	S1	State Threatened	Highest											X		Swamps and backwaters; dense vegetation

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SCIENTIFIC NAME	COMMON NAME	G-RANK	S-RANK	LEGAL STATUS	PRIORITY													SPECIFIC HABITAT REQUIREMENTS
<i>Elassoma evergladei</i>	Everglades Pygmy Sunfish	G5	SNR		Moderate											X		Shallow drainage or stagnant ditches and backwaters of creeks and rivers; abundant vegetation; soft, detritus-rich substrate
<i>Elassoma okatie</i>	Bluebarred Pygmy Sunfish	G2G3	SNR	State Species of Concern	Highest											X		Shallow and densely vegetated margins of lakes, ponds, swamps, roadside ditches, streams; sand or mud substrate; stained, acidic water of 4-5pH; beaver ponds for spawning
<i>Enneacanthus chaetodon</i>	Blackbanded Sunfish	G3G4	SNR		High											X		Sluggish streams and vegetated backwaters of lakes and ponds, often over silt or sand; very low current velocities
<i>Ennaecanthus obesus</i>	Banded Sunfish	G5	SNR		Moderate											X		Clear or tannin-stained creeks and small rivers; strong currents; sand or gravel substrates; aquatic vegetation and woody debris
<i>Etheostoma fricksium</i>	Savannah Darter	G4	SNR		Highest											X		Mud, sand, or organic substrate; aquatic vegetation; moderate current velocity
<i>Etheostoma serrifer</i>	Sawcheck Darter	G5	SNR		Moderate											X		Fresh water to estuaries over a wide range of salinities up to 20ppt; lakes, ponds, slow velocity streams; sand, gravel, or detritus-covered bottom with submerged aquatic plants
<i>Morone saxatilis</i>	Striped Bass	G5	SNR		Moderate											X		Medium to large rivers; clean, sandy substrate with fine gravel and rock; shallow rocky and gravelly areas with strong current for spawning sites; 17-18 C optimal for egg development
<i>Moxostoma collapsum</i>	Notchlip Redhorse	G5	SNR		Moderate											X		Medium to large rivers of moderate gradient; pool-dweller in streams; also in natural and artificial lakes
<i>Notropis bifrenatus</i>	Bridle Shiner	G3	SNR		Highest											X		Warm water streams, swamps, lakes; clear or slightly stained water; abundant aquatic vegetation for feeding and breeding; sand, mud, or gravel substrates
<i>Notropis chalybaeus</i>	Ironcolor Shiner	G4	SNR		Moderate											X		Low-velocity blackwater streams and swamps; woody debris
<i>Notropis leedsii</i>	Bannerfin Shiner	G4	S2		High											X		Channels of medium to large rivers; sand substrate; eddies with woody debris; logs and rocks for crevice spawning
<i>Noturus spp. (c.f. insignis)</i>	"Broadtail" Madtom	G2	S1		Highest											X		Middle of narrow and deep rivers; sand and gravel substrates with woody debris
<i>Percina crassa</i>	Piedmont Darter	G4	SNR		High											X		Clean, moderate to large stream riffles; sand to cobble substrate; moderate currents
<i>Pteronotropis stonei</i>	Lowland Shiner	G5	SNR		Moderate											X		Small to medium-clear and blackwater streams; moderate flow-like slow riffles, runs, and flowing pools; clean sand substrate; aquatic vegetation
INSECTS																		
<i>Acanthametropus pecatonica</i>	"A Mayfly"	GNR	SNR					X	X	X	X	X	X			X		mesic forests near water
<i>Atrytone arogos</i>	Arogos Skipper	G3	SNR	State Species of Concern		X	X										X	specialist in seasonally wet to dry grassland and pine savannah habitats; regenerating burn sites; host plants: Little Bluestem, Pine Barrens Reed Grass, and Lopsided Indian Grass; nectar plants

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SCIENTIFIC NAME	COMMON NAME	G-RANK	S-RANK	LEGAL STATUS	PRIORITY													SPECIFIC HABITAT REQUIREMENTS
<i>Dolania americana</i>	American Sand Burrowing Mayfly	G4	S3	State Species of Concern				X	X	X	X	X	X				X	mesic forests near water
<i>Dorymyrmex bureni</i>	"A Pyramid Ant"	GNR	SNR				X										X	prefer sandy soils in highly disturbed areas like pastures, open fileds, open scrub, sandhills, dunes, lawns, and roadsides
<i>Dorymyrmex medeis</i>	"A Pyramid Ant"	GNR	SNR				X										X	prefer sandy soils in highly disturbed areas like pastures, open fields, open scrub, sandhills, dunes, lawns, and roadsides
<i>Euphyes bimacula</i>	Two-Spotted Skipper	G4	S1?						X				X					isolated wetlands: open bogs, fens, and marshes with <i>Carex</i> sp.; nectar plants like iris
<i>Heterocloeon bernerii</i>	"A Mayfly"	G2G3	SNR															mesic forests near water
<i>Homoeoneuria dolani</i>	"A Mayfly"	G3G4	SNR					X	X	X	X	X	X				X	mesic forests near water
<i>Mycotrupes retusus</i>	Sandhills Earth Boring Scarab Beetle	GNR	SNR				X											restricted to deep, well-drained xeric sands of Fall-line Sandhills; mostly fossorial
<i>Rhadinoceraea zigadenusae</i>	Zigadenus Sawfly	G4	SNR				X		X	X	X	X	X		X			dependent upon host plant: Death Camas (<i>Zigadenus densus</i>)
<i>Siphonurus decorus</i>	"A Mayfly"	GNR	SNR					X	X	X	X	X	X				X	mesic forests near water
<i>Somatochlora calverti</i>	Calvert's Emerald	G3	SNR					X	X	X	X	X	X	X			X	boggy forest seepages for breeding; forest openings for foraging
<i>Taeniopteryx robinae</i>	Savannah Willowfly	G1	SNR					X	X	X	X	X	X				X	mesic forests near water
<i>Toxorhynchites rutilus rutilus</i>	"An Elephant (Tree Hole Mosquito)"	GNR	SNR					X	X	X	X	X	X	X	X		X	tree holes and artificial basins for breeding; nectar producing plants for foraging
<i>Toxorhynchites rutilus septentionalis</i>	"An Elephant (Tree Hole Mosquito)"	GNR	SNR					X	X	X	X	X	X	X	X		X	tree holes and artificial basins for breeding; nectar producing plants for foraging
<u>TERRESTRIAL LEECHES</u>																		
<i>Haemopsis septagon</i>	"A terrestrial leech"	GNR	SNR		High					X	X	X	X				X	moist areas near water sources; feeds on earthworms; only known from Georgetown County but probably more widespread in Pee Dee region of Coastal Plain
<u>SNAILS</u>																		
<i>Gillia atrilis</i>	Buffalo Pebblesnail	G5	S1	State Species of Concern	High												X	Cold, clear lakes, streams, and rivers
<i>Lioplax subcarinata</i>	Ridged Lioplax	G5	S1	State Species of Concern	High												X	Burrower that prefers sandy substrates in rivers