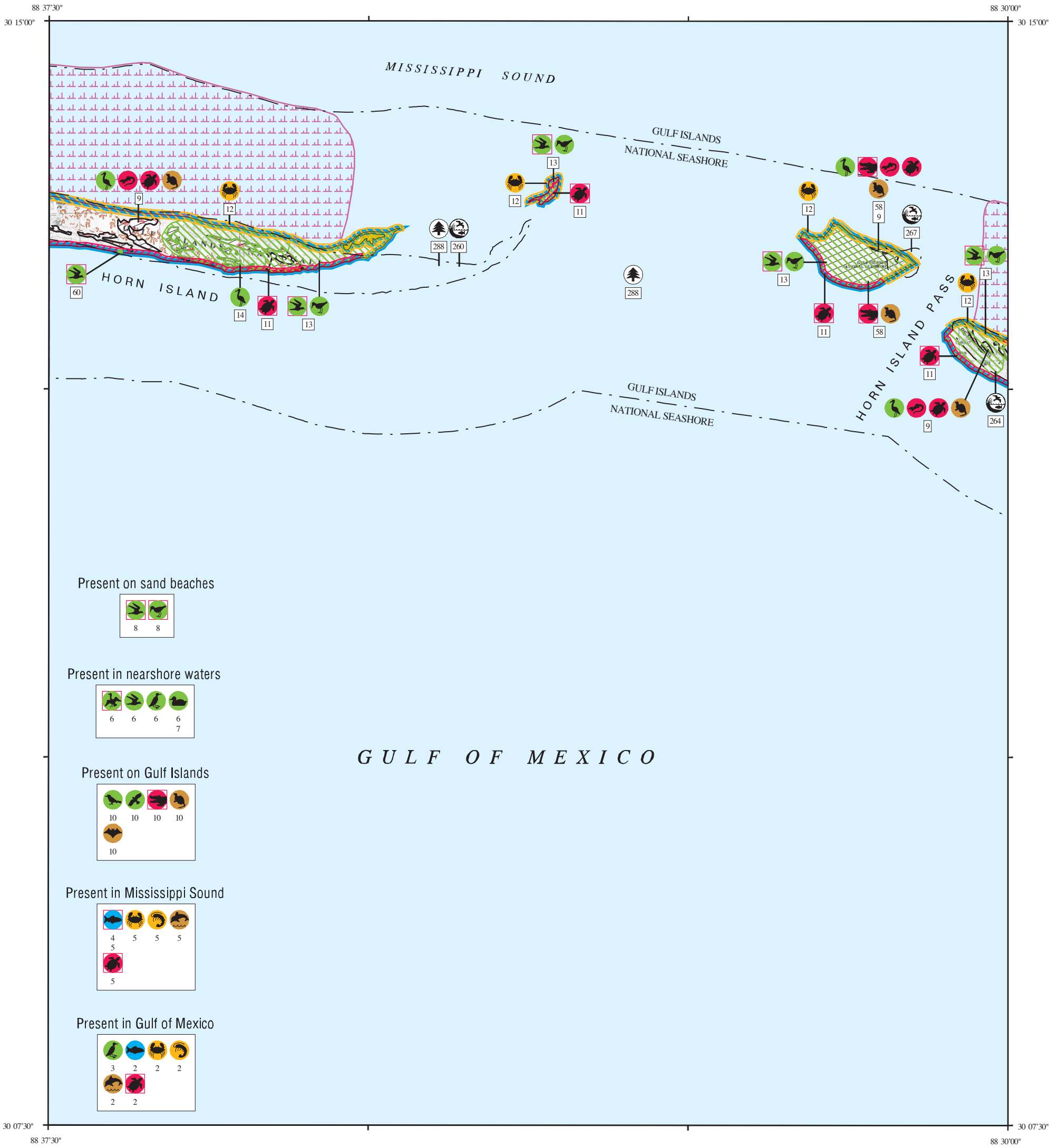


# ENVIRONMENTAL SENSITIVITY INDEX MAP

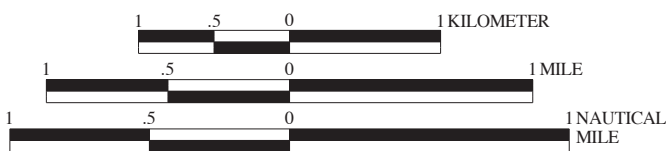


## SHORELINE HABITATS (ESI)

- 1B EXPOSED, SOLID MAN- MADE STRUCTURES
- 2A EXPOSED WAVE- CUT PLATFORMS IN MUD OR CLAY  
2B EXPOSED SCARPS AND STEEP SLOPES IN CLAY
- 3A FINE- TO MEDIUM- GRAINED SAND BEACHES  
3B SCARPS AND STEEP SLOPES IN SAND
- 5 MIXED SAND AND GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED SCARPS IN MUD OR CLAY
- 8B SHELTERED, SOLID MAN- MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 9A SHELTERED TIDAL FLATS
- 9B SHELTERED, VEGETATED LOW BANKS
- 10A SALT- AND BRACKISH- WATER MARSHES
- 10B FRESHWATER MARSHES
- 10C SWAMPS
- 10D SCRUB- SHRUB WETLANDS

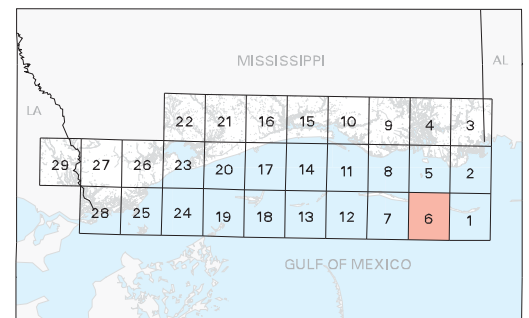


SCALE 1:50000



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Emergency Response Division



**Mississippi: ESIMAP 6**

**BIOLOGICAL RESOURCES:**

**BIRD:**

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
3	Brown booby				X	X	X								-	-	-
	Magnificent frigatebird				X	X	X	X	X	X	X	X	X		-	-	-
	Masked (blue-faced) booby							X	X	X					-	-	-
6	American white pelican		X	X	X							X	X	X	-	-	-
	Bonaparte's gull		X	X	X	X						X	X		-	-	-
	Brown pelican	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Bufflehead		X	X	X	X						X	X	X	-	-	-
	Canvasback		X	X	X	X						X	X	X	-	-	-
	Common goldeneye		X	X	X	X						X	X	X	-	-	-
	Common loon		X	X	X	X	X					X	X	X	-	-	-
	Double-crested cormorant		X	X	X							X	X	X	-	-	-
	Greater scaup		X	X	X	X						X	X	X	-	-	-
	Herring gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Hooded merganser		X	X	X	X						X	X	X	-	-	-
	Horned grebe		X	X	X	X						X	X		-	-	-
	Laughing gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Lesser scaup		X	X	X	X						X	X	X	-	-	-
	Long-tailed duck		X	X	X	X						X	X	X	-	-	-
	Northern gannet		X	X								X	X	X	-	-	-
	Pied-billed grebe		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Red-breasted merganser		X	X	X	X						X	X	X	-	-	-
	Redhead		X	X	X	X						X	X	X	-	-	-
	Ring-billed gull		X	X	X							X	X		-	-	-
	Ring-necked duck		X	X	X	X						X	X	X	-	-	-
	Ruddy duck		X	X	X	X						X	X	X	-	-	-
	Terns		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
7	Dabbling ducks		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
8	American oystercatcher		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
	Black skimmer		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black-bellied plover		X	X	X							X	X		-	-	-
	Dowitchers		X	X	X							X	X		-	-	-
	Dunlin		X	X	X							X	X		-	-	-
	Gull-billed tern		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
	Killdeer		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Least tern	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Piping plover	E T	X	X	X							X	X	X	-	-	-
	Red knot		X	X	X							X	X		-	-	-
	Royal tern		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Ruddy turnstone		X	X	X							X	X		-	-	-
	Sanderling		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Sandwich tern		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Semipalmated plover		X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-
	Snowy plover		X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-
	Willet		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
	Wilson's plover		X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-
9	American bittern		X	X	X	X						X	X	X	-	-	-
	Black-crowned night-heron		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Cattle egret		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Clapper rail		X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
	Great blue heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Great egret		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Green heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	King rail		X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
	Least bittern		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
	Little blue heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Reddish egret		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Snowy egret		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Tricolored heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Yellow-crowned night-heron		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
10	Bald eagle		X	X	X	X	X					X	X	X	NOV-JUN	-	-
	Migratory songbirds		X	X	X							X	X	X	-	-	-
	Osprey		X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Peregrine falcon		X	X								X	X	X	-	-	-
13	Black skimmer					X	X	X	X	X					MAY-SEP	-	-
	Gull-billed tern					X	X	X	X						MAY-SEP	-	-
	Least tern	E				X	X	X	X						MAY-SEP	-	-
	Royal tern					X	X	X	X						MAY-SEP	-	-
	Sandwich tern					X	X	X	X						MAY-SEP	-	-
	Shorebirds	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
14	Great blue heron					X	X	X	X						MAY-SEP	-	-
	Great egret					X	X	X	X						MAY-SEP	-	-
	Snowy egret					X	X	X	X						MAY-SEP	-	-
60	Black skimmer					X	X	X	X						MAY-SEP	-	-
	Gull-billed tern					X	X	X	X						MAY-SEP	-	-
	Least tern	E				X	X	X	X						MAY-SEP	-	-
	Royal tern					X	X	X	X						MAY-SEP	-	-
	Sandwich tern					X	X	X	X						MAY-SEP	-	-

**FISH:**

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
2	Atlantic croaker		X	X	X	X	X	X	X	X	X	X	X	X	SEP-APR	SEP-APR	OCT-APR	JAN-DEC	JAN-DEC
	Atlantic spadefish				X	X	X	X	X	X	X	X	X	X	-	-	-	APR-NOV	-
	Atlantic thread herring				X	X	X	X	X	X	X	X	X	X	-	-	-	-	MAR-NOV
	Bay anchovy		X	X	X	X	X	X	X	X	X	X	X	X	FEB-OCT	FEB-OCT	FEB-OCT	JAN-DEC	JAN-DEC
	Black drum		X	X	X	X	X	X	X	X	X	X	X	X	FEB-APR	FEB-APR	FEB-APR	JAN-DEC	JAN-DEC
	Blue runner		X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-SEP	-	-
	Bluefish		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-	MAY-OCT	MAY-OCT
	Cobia				X	X	X	X	X						-	-	-	-	MAY-OCT
	Crevalle jack		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	MAY-SEP	MAY-SEP	JAN-DEC	MAY-SEP
	Florida pompano				X	X	X	X	X	X	X	X	X	X	MAY-JUL	MAY-JUL	MAY-JUL	MAY-NOV	MAR-SEP
	Gafftopsail catfish				X	X	X	X							JUN-JUL	-	-	MAY-AUG	MAY-AUG
	Gag											X	X	X	-	-	-	-	AUG-OCT
	Gray snapper					X	X	X	X	X	X	X	X	X	-	-	MAY-DEC	MAY-DEC	-
	Gulf butterfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	APR-AUG	JAN-DEC
	Gulf flounder		X	X	X	X	X	X	X	X	X	X	X	X	NOV-FEB	NOV-FEB	NOV-FEB	JAN-DEC	JAN-DEC
	Gulf kingfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	MAR-JAN
	Gulf menhaden		X	X	X	X	X	X	X	X	X	X	X	X	OCT-FEB	OCT-FEB	OCT-MAY	JAN-DEC	JAN-DEC
	Halfbeak				X	X	X	X	X						-	-	-	-	APR-OCT
	Harvestfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-NOV	JAN-DEC	APR-OCT
	Inland silverside		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	King mackerel				X	X	X	X	X						-	-	-	-	APR-OCT
	Lane snapper				X	X	X	X	X						-	-	-	-	MAY-DEC
	Little tunny		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Marsh killifish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Northern kingfish				X	X	X	X	X	X	X	X	X	X	-	-	MAR-JUN	-	-
	Pigfish				X	X	X	X	X						APR-MAY	-	-	-	-
	Pinfish		X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	NOV-MAR	NOV-APR	JAN-DEC	JAN-DEC
	Red drum		X	X	X	X	X	X	X	X	X	X	X	X	SEP-OCT	SEP-FEB	SEP-FEB	JAN-DEC	JAN-DEC

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.



**Mississippi: ESIMAP 6 (cont.)**

**BIOLOGICAL RESOURCES: (cont.)**

**REPTILE: (cont.)**

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
2	Loggerhead sea turtle	E T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
5	Kemp's ridley sea turtle	E E	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Loggerhead sea turtle	E T	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
9	Diamondback terrapin		X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-	-	-	
	Gulf salt marsh snake		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
10	American alligator	T T	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
11	Loggerhead sea turtle	E T LOW						X	X	X	X	X	MAY-SEP	JUN-OCT	-	-	-	MAY-SEP	
58	American alligator	T T	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	

**TERRESTRIAL MAMMAL:**

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D
9	Marsh rice rat		X	X	X	X	X	X	X	X	X	X	X	X
10	Common raccoon		X	X	X	X	X	X	X	X	X	X	X	X
	Eastern pipistrelle		X	X	X	X	X	X	X	X	X	X	X	X
	Northern river otter		X	X	X	X	X	X	X	X	X	X	X	X
58	Common raccoon		X	X	X	X	X	X	X	X	X	X	X	X
	Northern river otter		X	X	X	X	X	X	X	X	X	X	X	X

**HUMAN USE RESOURCES:**

**MANAGEMENT AREA:**

HUN#	Name	Contact	Phone
260	HORN ISLAND COASTAL PRESERVE	MDMR	228/374-5000
264	PETIT BOIS ISLAND COASTAL PRESERVE	MDMR	228/374-5000
267	SPOIL BANK COASTAL PRESERVE	MDMR	228/374-5000

**NATIONAL PARK:**

HUN#	Name	Contact	Phone
288	GULF ISLANDS NATIONAL SEASHORE	PARK HEADQUARTERS, FLORIDA	850/934-2600

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