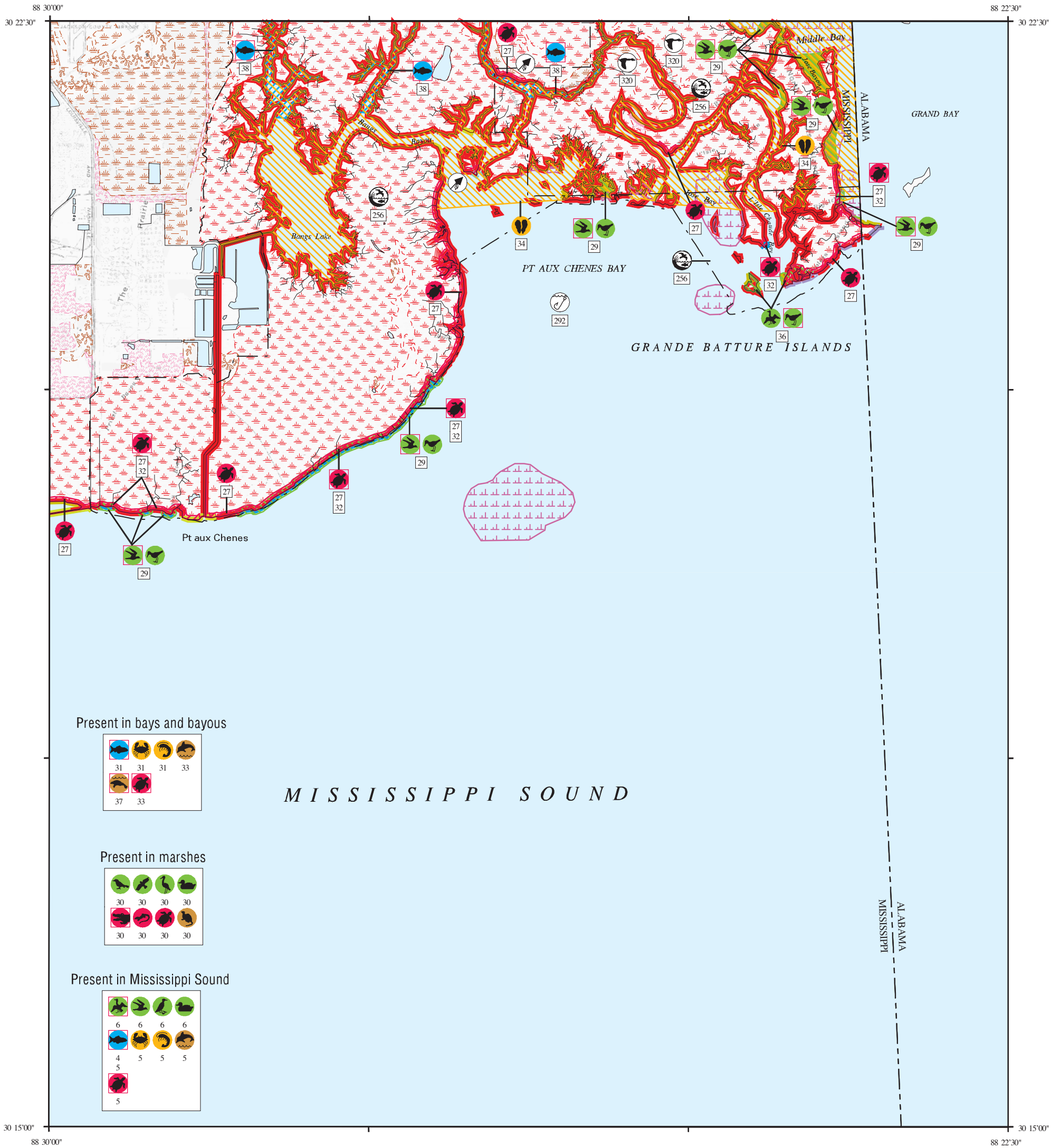


ENVIRONMENTAL SENSITIVITY INDEX MAP



Present in bays and bayous



Present in marshes



Present in Mississippi Sound



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

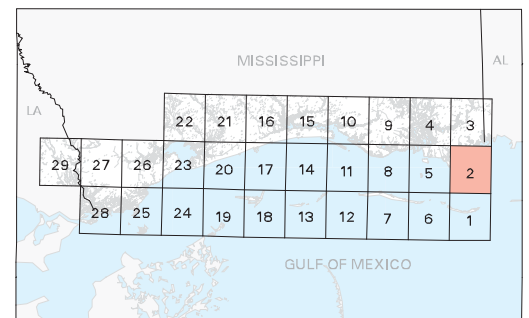


SCALE 1:50000



Not For Navigation
Published: December 2009

Published at Seattle, Washington
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Response and Restoration
Emergency Response Division



Mississippi: ESIMAP 2

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting	
6	American white pelican		X	X	X								X	X	X	-	-	-
	Bonaparte's gull		X	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	-	-	-	
29	American oystercatcher		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-	-
	Black-bellied plover		X	X	X								X	X	-	-	-	
	Dowitchers		X	X	X								X	X	-	-	-	
	Dunlin		X	X	X								X	X	-	-	-	
	Greater yellowlegs		X	X	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 sandpiper		X	X	X	X	X						X	X	X	-	-	-
	Least tern	E				X	X	X	X	X					MAY-SEP	-	-	-
	Lesser yellowlegs		X	X	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	MAY-SEP	-	-	-
	Ruddy turnstone		X	X	X								X	X	-	-	-	
	Sanderling		X	X	X								X	X	-	-	-	
	Sandwich tern					X	X	X	X	X					MAY-SEP	-	-	-
	Semipalmated plover		X	X	X								X	X	X	-	-	-
	Semipalmated sandpiper		X	X	X	X							X	X	X	-	-	-
	Snowy plover		X	X	X								X	X	-	-	-	
	Spotted sandpiper		X	X	X	X							X	X	X	-	-	-
	Western sandpiper		X	X	X	X	X						X	X	X	-	-	-
	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	-	-	-
30	American coot		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	American wigeon		X	X	X	X							X	X	-	-	-	
	Black-crowned night-heron		X										X	X	-	-	-	
	Blue-winged teal		X	X	X	X							X	X	X	-	-	-
	Bufflehead		X	X	X	X							X	X	X	-	-	-
	Canada goose		X	X	X	X	X	X	X	X	X	X	X	X	FEB-MAY	-	-	-
	Canvasback		X	X	X	X							X	X	X	-	-	-
	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	-	-	-
	Common moorhen		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Gadwall		X	X	X								X	X	X	-	-	-
	Great blue heron		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-	-
	Great egret		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Greater scaup		X	X	X	X							X	X	X	-	-	-
	Green heron		X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-	-
	Green-winged teal		X	X	X	X							X	X	X	-	-	-
	Hooded merganser		X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-	-
	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	MAY-SEP	-	-	-	
	Lesser scaup		X	X	X	X							X	X	X	-	-	-
	Little blue heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Mallard		X	X	X								X	X	X	-	-	-
	Marsh wren		X	X	X	X							X	X	X	-	-	-
	Mottled duck		X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-	-
	Nelson's sharp-tailed sparrow		X	X	X	X							X	X	X	-	-	-
	Northern pintail		X	X	X								X	X	X	-	-	-
	Northern shoveler		X	X	X								X	X	X	-	-	-
	Osprey		X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-	-
	Redhead		X	X	X	X							X	X	X	-	-	-
	Ring-necked duck		X	X	X	X							X	X	X	-	-	-
	Ruddy duck		X	X	X	X							X	X	X	-	-	-
	Seaside sparrow		X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-	-
	Sedge wren		X	X	X	X							X	X	X	-	-	-
	Snowy egret					X	X	X	X						MAY-SEP	-	-	-
	Sora					X	X	X	X				X	X	X	-	-	-
	Tricolored heron		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Virginia rail					X	X	X	X				X	X	X	-	-	-
	Wood duck		X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-	-
	Yellow-crowned night-heron					X	X	X	X	X					-	-	-	
36	American white pelican	5K-10K	X	X	X								X	X	X	-	-	-
	Piping plover	E T	X	X	X								X	X	X	-	-	-

FISH:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults	
4	Gulf sturgeon	E T COMMON-WINTER	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	
5	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 sharpnose shark					X	X	X	X	X				-	-	-	-	-	-	
	Atlantic spadefish					X	X	X	X	X	X			-	-	-	-	APR-NOV	-	
	Atlantic sturgeon		X	X	X	X							X	X	-	-	-	-	OCT-MAY	
	Atlantic thread herring					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	
	Blacktip shark		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Bluefish		X	X	X	X	X	X	X	X	X	X	X	X	JAN-DEC	-	-	-	MAY-OCT	
	Bull shark		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	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	MAY-JUL	MAY-JUL	MAY-JUL	MAY-NOV	MAY-SEP		
	Gafftopsail catfish					X	X	X	X					JUN-JUL	-	-	-	MAY-AUG	MAY-AUG	
	Gag												X	X	-	-	-	-	AUG-OCT	
	Gizzard shad					X	X	X	X	X				-	-	-	MAR-SEP	MAR-SEP	-	
	Gray snapper					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 kingfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	MAR-JAN

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 2 (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
30	American alligator	T T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Diamondback terrapin		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Gulf salt marsh snake		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
32	Loggerhead sea turtle	E T LOW						X	X	X	X	X	X	MAY-SEP	JUN-OCT	-	-	MAY-SEP	
33	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	

TERRESTRIAL MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D
30	Muskrat		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	

HUMAN USE RESOURCES:

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
256	GRAND BAY COASTAL PRESERVE	NERR MANAGER	228/475-7047

RECREATIONAL FISHING:

HUN#	Name	Contact	Phone
292			

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
320	GRAND BAY NATIONAL WILDLIFE REFUGE	REFUGE MANAGER	228/497-6322

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