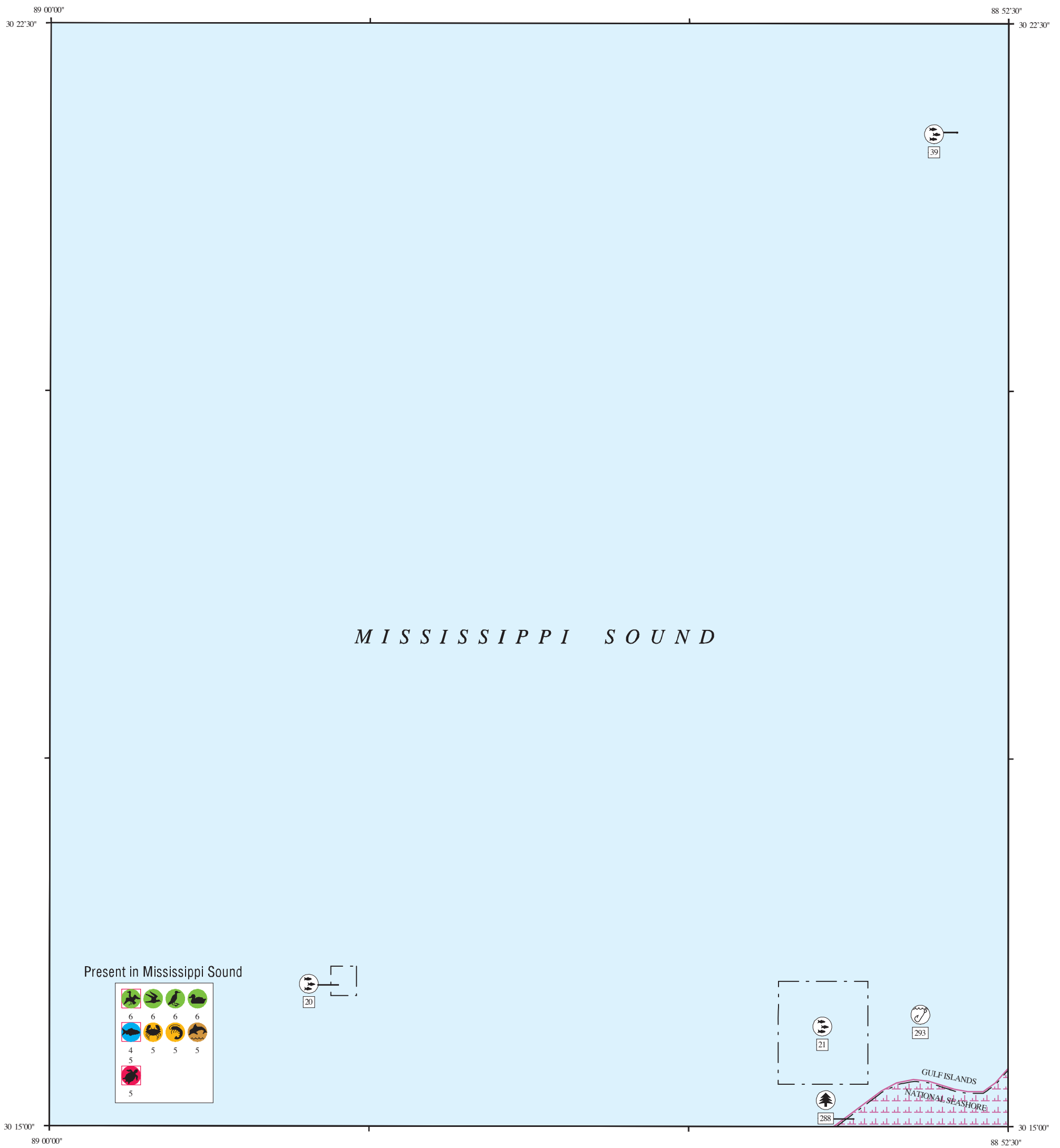


ENVIRONMENTAL SENSITIVITY INDEX MAP



Present in Mississippi Sound

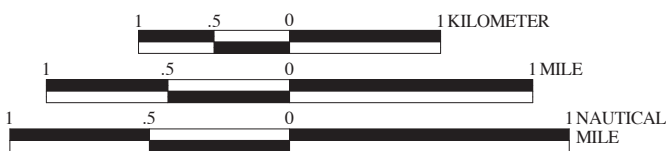


SHORELINE HABITATS (ESI)

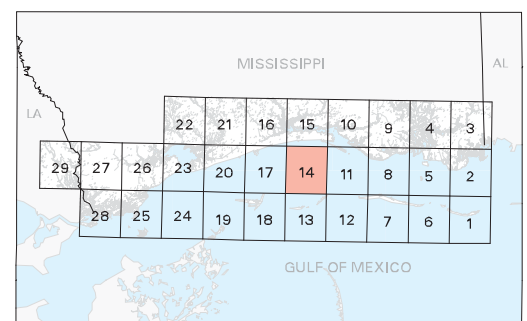
- 1B EXPOSED, SOLID MAN- MADE STRUCTURES
- 2A EXPOSED WAVE- CUT PLATFORMS IN MUD OR CLAY
2B EXPOSED SCARPS AND STEEP SLOPES IN CLAY
- 3A FINE- TO MEDIUM- GRAINED SAND BEACHES
3B SCARPS AND STEEP SLOPES IN SAND
- 5 MIXED SAND AND GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED SCARPS 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



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 Office of Response and Restoration
 Emergency Response Division



Mississippi: ESIMAP 14

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	-	-	-
	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	-	-	-
	Canvasback		X	X	X								X	X	-	-	-
	Common goldeneye		X	X	X								X	X	-	-	-
	Common loon		X	X	X	X							X	X	-	-	-
	Double-crested cormorant		X	X	X								X	X	-	-	-
	Greater scaup		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	-	-	-
	Horned grebe		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	-	-	-
	Long-tailed duck		X	X	X								X	X	-	-	-
	Northern gannet		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	-	-	-
	Redhead		X	X	X								X	X	-	-	-
	Ring-billed gull		X	X	X								X	X	-	-	-
	Ring-necked duck		X	X	X								X	X	-	-	-
	Ruddy duck		X	X	X								X	X	-	-	-
	Terns		X	X	X	X	X	X	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																		
	Atlantic spadefish																	APR-NOV	
	Atlantic sturgeon		X	X	X	X							X	X	-	-	-		OCT-MAY
	Atlantic thread herring		X	X	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
	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	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														MAY-JUL	MAY-JUL	MAY-JUL	MAY-NOV	MAR-SEP
	Gafftopsail catfish														JUN-JUL	-	-	MAY-AUG	MAY-AUG
	Gag																		AUG-OCT
	Gizzard shad																	MAR-SEP	MAR-SEP
	Gray snapper																	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
	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																		APR-OCT
	Hardhead catfish		X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-SEP	JAN-DEC	JAN-DEC
	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
	Ladyfish																	APR-SEP	
	Longnose killifish		X	X	X	X	X	X	X	X	X	X	X	X	JUN-JUL	-	-		
	Marsh killifish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-		
	Northern kingfish																	MAR-JUN	
	Pigfish														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
	Red snapper																		
	Rock sea bass																		
	Rough silverside		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Sand seatrout		X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAY-OCT	FEB-OCT	JAN-DEC	JAN-DEC
	Scaled sardine														APR-SEP	-	-	AUG-SEP	
	Sheepshead		X	X	X	X	X	X	X	X	X	X	X	X	FEB-MAR	FEB-APR	FEB-MAY	JAN-DEC	JAN-DEC
	Silver perch		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silver seatrout																	JUN-OCT	
	Skipjack herring		X	X	X	X									MAR-APR	-	-		
	Southern flounder		X	X	X	X	X	X	X	X	X	X	X	X	SEP-JAN	SEP-JAN	SEP-APR	JAN-DEC	JAN-DEC
	Southern hake																		FEB-MAY
	Southern kingfish		X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	-	-	JAN-NOV	
	Spanish mackerel														JUN-SEP	JUN-SEP	JUN-SEP	APR-SEP	APR-SEP
	Spinner shark		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-		
	Spot		X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	NOV-APR	NOV-MAR	JAN-DEC	JAN-DEC
	Spotfin mojarra		X															JUN-SEP	
	Spotted hake																		
	Spotted seatrout		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC
	Star drum																	AUG-SEP	
	Striped anchovy														MAY-AUG	MAY-AUG	APR-AUG	APR-DEC	
	Striped mullet		X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAY	NOV-MAY	NOV-MAY	JAN-DEC	JAN-DEC
	Tarpon		X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Threadfin shad		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-		JAN-DEC
	White mullet		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
5	Blue crab		X	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	MAY-NOV	MAY-NOV	-	JAN-DEC
	Brown shrimp		X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	-	JAN-DEC
	Horseshoe crab		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC
	Pink shrimp		X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-NOV	-	JAN-DEC
	Stone crab		X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	APR-OCT	APR-OCT	JAN-DEC
	White shrimp		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC

MARINE MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
5	Bottlenose dolphin		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-

REPTILE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
5	Kemp's ridley sea turtle	E E	X	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	X	-	-	-	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 14 (cont.)

HUMAN USE RESOURCES:

ARTIFICIAL REEF:

HUN#	Name	Contact	Phone
20	ARTIFICIAL REEF: FH-8	MDMR	228/523-4078
21	ARTIFICIAL REEF: FH-9/11	MDMR	228/523-4078
39	KEESLER RUBBLE REEF	MDMR	228/523-4078

NATIONAL PARK:

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

RECREATIONAL FISHING:

HUN#	Name	Contact	Phone
293			