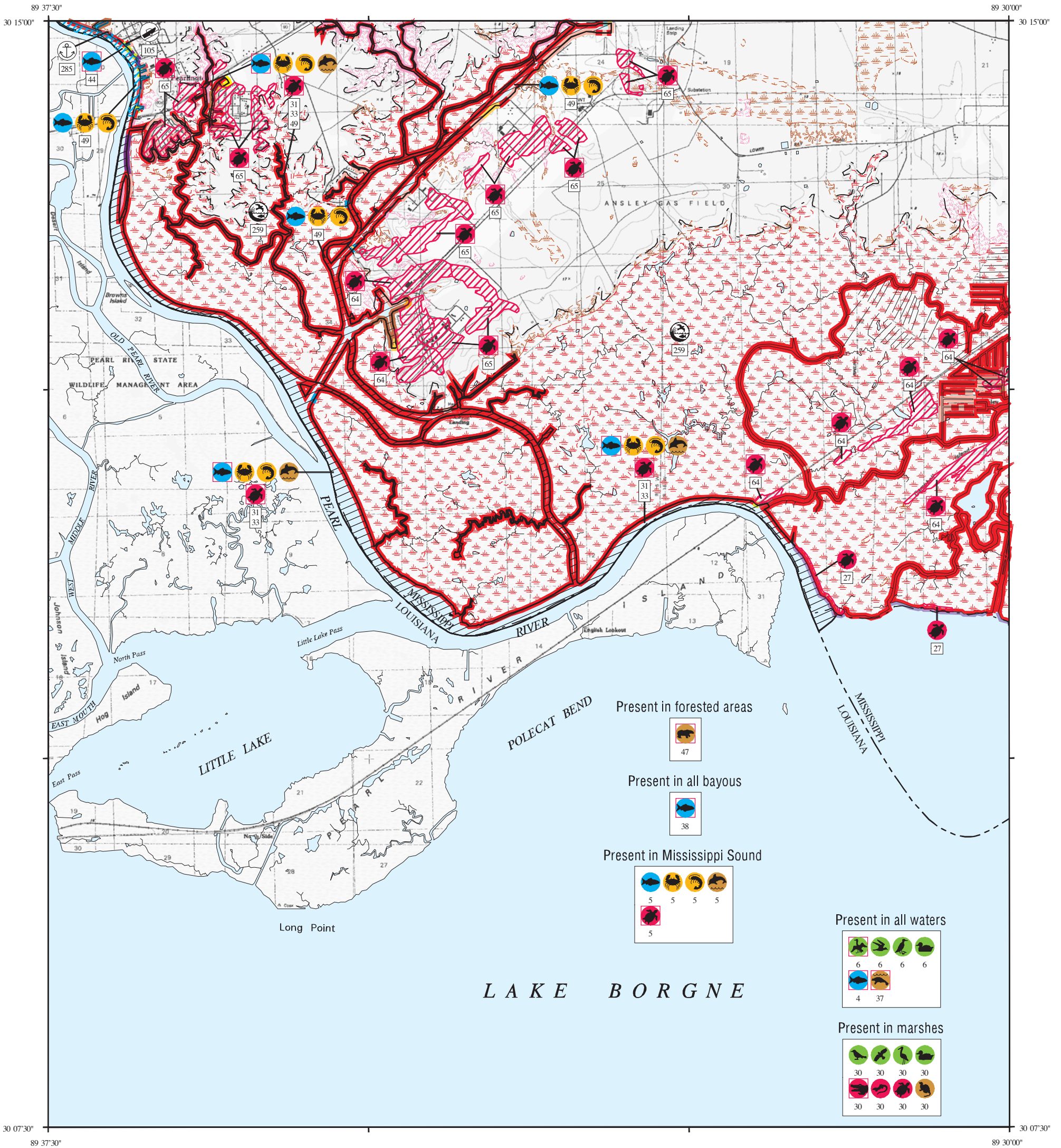


ENVIRONMENTAL SENSITIVITY INDEX MAP

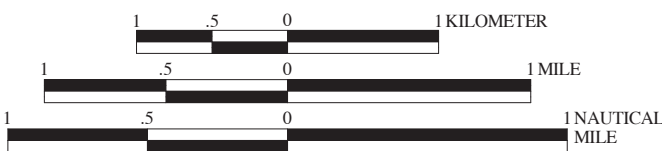


SHORELINE HABITATS (ESI)

- 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

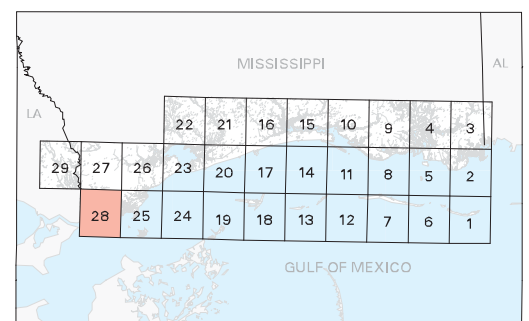


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Office of Response and Restoration
Emergency Response Division



Mississippi: ESIMAP 28 (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH: (cont.)

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
5	Spanish mackerel					X	X	X	X	X					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			X	X	X	X	X	X	X			-	-	JUN-SEP	-	-
	Spotted hake			X	X										-	-	-	-	-
	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								X	X					-	-	AUG-SEP	-	-
	Striped anchovy					X	X	X	X	X	X	X	X	X	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
31	Alligator gar	C	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Atlantic croaker		X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-APR	JAN-DEC	APR-OCT
	Atlantic sturgeon		X	X	X	X				X	X	X			-	-	-	-	OCT-MAY
	Atlantic thread herring			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
	Blue catfish		X	X	X	X			X	X	X	X			-	-	-	-	-
	Bluefish		X	X	X	X			X	X	X				-	-	-	OCT-APR	-
	Channel catfish		X	X	X	X			X	X					MAR-MAR	-	-	-	-
	Florida pompano					X	X	X	X	X	X				-	-	-	MAY-NOV	-
	Gafftopsail catfish					X	X	X	X						JUN-JUL	-	-	MAY-AUG	MAY-AUG
	Gizzard shad		X	X						X	X	X			-	-	-	NOV-FEB	NOV-FEB
	Gulf butterfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	APR-AUG	JAN-DEC
	Gulf killifish		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-	-	-
	Gulf menhaden		X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-DEC	JAN-DEC	MAR-AUG
	Halfbeak					X	X	X	X	X	X				-	-	-	-	APR-OCT
	Hardhead catfish		X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-SEP	JAN-DEC	MAR-OCT
	Harvestfish					X	X	X	X	X					-	-	-	-	-
	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					X	X	X	X	X					-	-	-	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					X	X	X	X	X	X	X			-	-	-	-	-
	Pigfish					X	X	X	X	X	X	X			-	-	-	-	-
	Pinfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-MAR	JAN-DEC	-
	Red drum		X	X	X	X	X	X	X	X	X	X	X	X	-	-	SEP-FEB	JAN-DEC	-
	Sailfin molly		X	X					X	X	X	X			-	-	-	-	-
	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					X	X	X	X	X					APR-SEP	-	-	AUG-SEP	-
	Sheepshead		X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	JAN-DEC	JUN-FEB
	Sheepshead minnow		X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-OCT	-	-
	Silver perch		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Skipjack herring		X	X	X	X			X	X					MAR-APR	-	-	-	-
	Southern flounder		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Southern hake		X	X	X	X			X						-	-	-	-	-
	Southern kingfish		X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	-	-	JAN-NOV	-
	Spot		X	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAY	JAN-DEC	MAR-OCT
	Spotted seatrout		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC
	Striped anchovy					X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	APR-AUG	APR-DEC	-
	Striped bass					X	X								APR-JUN	-	-	-	-
	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	-	-	MAY-SEP	JAN-DEC	-
	White mullet		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
38	Saltmarsh topminnow	C	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAY-JUN	-	JAN-DEC
44	Gulf sturgeon	E T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-MAY	FEB-DEC	MAR-NOV
49	Atlantic croaker		X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-APR	JAN-DEC	-
	Atlantic sturgeon		X	X	X	X				X	X				-	-	-	-	OCT-MAY
	Bay anchovy		X	X	X	X	X	X	X	X	X	X	X	X	FEB-OCT	FEB-OCT	FEB-OCT	JAN-DEC	JAN-DEC
	Blue catfish		X	X	X	X			X	X	X	X			-	-	-	-	-
	Bluegill		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-	JAN-DEC	JAN-DEC
	Channel catfish		X	X	X				X						MAR-MAR	-	-	-	-
	Gulf butterfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	APR-AUG	JAN-DEC
	Gulf killifish		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC
	Gulf menhaden		X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-DEC	JAN-DEC	MAR-AUG
	Hardhead catfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	MAR-OCT
	Harvestfish					X	X	X	X	X					-	-	-	-	-
	Largemouth bass		X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	JAN-DEC	JAN-DEC
	Longear sunfish		X	X	X	X	X	X	X	X					MAY-JUN	-	-	-	-
	Pigfish					X	X	X	X	X	X				-	-	-	-	-
	Pinfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-MAR	JAN-DEC	-
	Rainwater killifish					X	X								-	-	-	-	-
	Red drum		X	X	X	X	X	X	X	X	X	X	X	X	-	-	SEP-FEB	JAN-DEC	-
	Redear sunfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Rough silverside		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Sailfin molly		X	X					X	X	X	X			-	-	-	-	-
	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					X	X	X	X	X					APR-SEP	-	-	AUG-SEP	-
	Sheepshead		X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-MAY	JAN-DEC	JUN-FEB
	Sheepshead minnow		X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-OCT	APR-NOV	MAY-SEP	JAN-DEC
	Shiners		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Silver perch		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Skipjack herring		X	X	X	X			X	X					MAR-APR	-	-	-	-
	Southern flounder		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Spot		X	X	X	X	X	X	X	X	X	X	X	X	-	-	DEC-MAY	JAN-DEC	MAR-OCT
	Spotted seatrout		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC
	Spotted sunfish		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Striped anchovy					X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	APR-AUG	APR-DEC	-
	Striped bass					X	X								APR-JUN	-	-	-	-
	Striped mullet		X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAY	NOV-MAY	NOV-MAY	JAN-DEC	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</											

Mississippi: ESIMAP 28 (cont.)

BIOLOGICAL RESOURCES: (cont.)

INVERTEBRATE: (cont.)

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
49	Pink shrimp							X	X	X	X	X	X	X	-	-	APR-NOV	APR-NOV	APR-NOV
	White shrimp							X	X	X	X	X	X	X	-	-	-	MAR-NOV	MAR-NOV

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	-	-	-	-
33	Bottlenose dolphin		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
37	West Indian manatee	E E						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
27	Diamondback terrapin		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-	-	-
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	X	-	-	-	-	-
	Gulf salt marsh snake		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
33	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
64	Gopher tortoise	E T MED-HIGH PROBABILITY	X	X	X	X	X	X	X	X	X	X	X	X	MAY-OCT	-	-	-	-
65	Gopher tortoise	E T LOW PROBABILITY	X	X	X	X	X	X	X	X	X	X	X	X	MAY-OCT	-	-	-	-

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	X
	Northern river otter		X	X	X	X	X	X	X	X	X	X	X	X
47	Louisiana black bear	E T	X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

BOAT RAMP:

HUN#	Name	Contact	Phone
105	PEARLINGTON BOAT RAMP	MS. DEPT. OF WILDLIFE, FISHERIES, & PARKS	228/859-3421

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
259	HANCOCK COUNTY MARSH COASTAL PRESERVE	MDMR	228/374-5000

MARINA:

HUN#	Name	Contact	Phone
285	PEARL RIVER MARINA	PEARL RIVER MARINA	228/533-7933

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.