

Mississippi: ESIMAP 20

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	X	-	-	-
	Common goldeneye		X	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	X	-	-	-
	Herring gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Hooded merganser		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	-	-	-
	Long-tailed duck		X	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	X	-	-	-
	Redhead		X	X	X	X							X	X	-	-	-
	Ring-billed gull		X	X	X								X	X	-	-	-
	Ring-necked duck		X	X	X	X							X	X	-	-	-
	Ruddy duck		X	X	X	X							X	X	-	-	-
	Terns		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
21	Black skimmer						X	X	X	X					MAY-SEP	-	-
22	Piping plover	E T	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	-	-	-
	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	-	-	-
	Least tern	E					X	X	X	X	X				MAY-SEP	-	-
	Lesser yellowlegs		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	-	-	-
	Semipalmated sandpiper		X	X	X	X							X	X	-	-	-
	Snowy plover		X	X	X								X	X	-	-	-
	Spotted sandpiper		X	X	X								X	X	-	-	-
	Western sandpiper		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	-	-	-
	Bufflehead		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	-	-	-
	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	-	-	-
	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	-	-	-
	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	-	-	-
	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	X	X	MAY-SEP	-	-
	Lesser scaup		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	-	-	-
	Marsh wren		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	-	-	-
	Northern pintail		X	X	X								X	X	-	-	-
	Northern shoveler		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	-	-	-
	Ring-necked duck		X	X	X	X							X	X	-	-	-
	Ruddy duck		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	-	-	-
	Snowy egret					X	X	X	X						MAY-SEP	-	-
	Sora				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	-	-	-
	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								-	-	-

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	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					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
	Gizzard shad				X	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 20 (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	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	X			-	-	-	-	APR-OCT	
	Hardhead catfish		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	-	-	JUN-NOV	JAN-DEC	APR-OCT	
	Inland silverside		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	JUN-JUL	-	-	-	-	
	Marsh killifish		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Northern kingfish					X	X	X	X	X	X	X	X	-	-	MAR-JUN	-	-	
	Pigfish					X	X	X	X	X	X	X	X	APR-MAY	-	-	-	-	
	Pinfish		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	SEP-OCT	SEP-FEB	SEP-FEB	JAN-DEC	JAN-DEC	
	Red snapper					X	X	X	X	X	X	X	X	-	-	-	-	-	
	Rock sea bass					X	X	X	X	X				-	-	-	-	-	
	Rough silverside		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	MAR-OCT	MAY-OCT	FEB-OCT	JAN-DEC	JAN-DEC	
	Scaled sardine					X	X	X	X	X	X			APR-SEP	-	-	AUG-SEP	-	
	Sheepshead		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	MAY-SEP	MAY-SEP	MAY-SEP	JAN-DEC	JAN-DEC	
	Silver seatrout					X	X	X	X	X	X	X	X	-	-	JUN-OCT	-	-	
	Skipjack herring		X	X	X	X						X	X	MAR-APR	-	-	-	-	
	Southern flounder		X	X	X	X	X	X	X	X	X	X	X	SEP-JAN	SEP-JAN	SEP-APR	JAN-DEC	JAN-DEC	
	Southern hake					X	X	X						-	-	-	-	FEB-MAY	
	Southern kingfish		X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	-	-	JAN-NOV	-	
	Spanish mackerel					X	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	-	-	-	-	-	
	Spot		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	-	-	JUN-SEP	-	-	
	Spotted hake					X	X							-	-	-	-	-	
	Spotted seatrout		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	MAY-AUG	MAY-AUG	APR-AUG	APR-DEC	-	
	Striped mullet		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	APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC	
	Threadfin shad		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	-	-	-	JAN-DEC	JAN-DEC	
31	Alligator gar	C	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Atlantic croaker		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			-	-	-	-	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	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	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	-	-	-	APR-AUG	JAN-DEC	
	Gulf killifish		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	-	-	JAN-DEC	JAN-DEC	MAR-AUG	
	Halfbeak					X	X	X	X	X				-	-	-	-	APR-OCT	
	Hardhead catfish		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	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	
	Ladyfish					X	X	X	X					-	-	-	APR-SEP	-	
	Longnose killifish		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	-	-	-	-	-	
	Northern kingfish					X	X	X	X	X	X	X	X	-	-	-	-	-	
	Pigfish					X	X	X	X	X	X	X	X	-	-	-	-	-	
	Pinfish		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	-	-	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	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	-	-	FEB-MAY	JAN-DEC	JUN-FEB	
	Sheepshead minnow		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	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	-	-	-	JAN-DEC	JAN-DEC	
	Southern hake		X	X	X	X				X				-	-	-	-	-	
	Southern kingfish		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	-	-	DEC-MAY	JAN-DEC	MAR-OCT	
	Spotted seatrout		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	MAY-AUG	MAY-AUG	APR-AUG	APR-DEC	-	
	Striped bass					X	X	X						APR-JUN	-	-	-	-	
	Striped mullet		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	-	-	MAY-SEP	JAN-DEC	-	
	White mullet		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	MAY-NOV	MAY-NOV	MAY-NOV	-	JAN-DEC	
	Brown shrimp		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	-	-	-	-	JAN-DEC	
	Pink shrimp		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	APR-SEP	APR-SEP	APR-OCT	APR-OCT	JAN-DEC	
	White shrimp		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	
31	Blue crab		X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	MAY-NOV	MAY-NOV	MAY-NOV	JAN-DEC	
	Brown shrimp		X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	FEB-NOV	JAN-DEC	
	Pink shrimp		X	X	X	X	X	X	X	X	X	X	X	-	-	APR-NOV	APR-NOV	JAN-DEC	
	Stone crab		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	-	-	-	MAR-NOV	JAN-DEC	
39	Atlantic rangia		X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC	
66	Eastern oyster		X	X	X	X	X	X	X	X	X	X	X	MAR-DEC	MAR-DEC	APR-DEC	APR-DEC	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	-	-	-	-	-
37	West Indian manatee	E E				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	-	-	-	-	JAN-DEC	JAN-DEC
	Loggerhead sea turtle	E T	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	JAN-DEC
21	Loggerhead sea turtle	E T LOW				X	X	X</											

Mississippi: ESIMAP 20 (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	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	-	-	-	-	-
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

HUMAN USE RESOURCES:

ARTIFICIAL REEF:

HUN#	Name	Contact	Phone
29	EMERALD STREET REEF	MDMR	228/523-4078
35	JAPONICA DRIVE REEF	MDMR	228/523-4078
42	LANG AVE. REEF	MDMR	228/523-4078
44	LONG BEACH EAST REEF	MDMR	228/523-4078
45	LONG BEACH HARBOR JETTY REEF	MDMR	228/523-4078
46	LONG BEACH HARBOR PIER REEF	MDMR	228/523-4078
64	USM REEF	MDMR	228/523-4078

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
249	BAYOU PORTAGE COASTAL PRESERVE	MDMR	228/374-5000
269	WOLF RIVER COASTAL PRESERVE	MDMR	228/374-5000

MARINA:

HUN#	Name	Contact	Phone
284	PASS CHRISTIAN YACHT CLUB	PASS CHRISTIAN YACHT CLUB	228/452-2571

RECREATIONAL FISHING:

HUN#	Name	Contact	Phone
311	PASS CHRISTIAN HARBOR FISHING PIER	MS. DEPT. OF WILDLIFE, FISHERIES, & PARKS	228/859-3421

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.