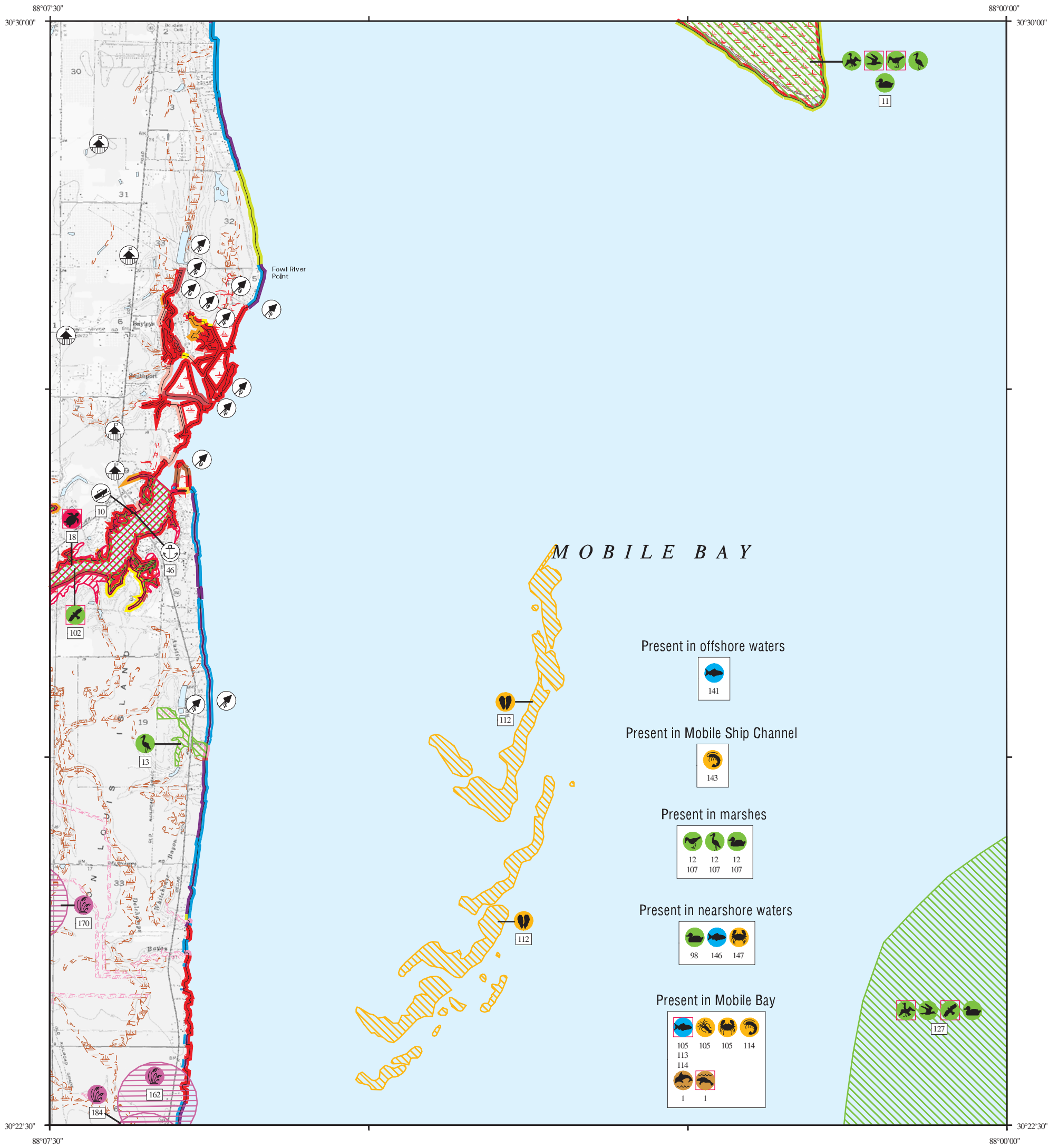


ENVIRONMENTAL SENSITIVITY INDEX MAP



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
- 4 COARSE-GRAINED SAND BEACHES
- 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

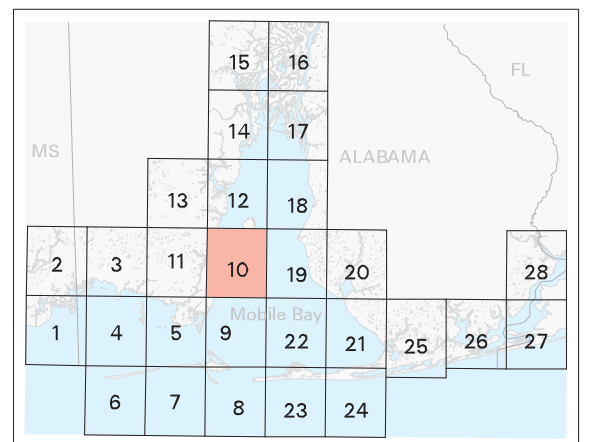


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Office of Response and Restoration
Emergency Response Division



Alabama: ESIMAP 10

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting	
11	American oystercatcher	P	X	X	X								X	X	-	-	-	
	Black skimmer		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-	
	Black tern		X	X	X	X						X	X	X	-	-	-	
	Black-crowned night-heron	25 PAIRS		X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-	
	Black-necked stilt		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-	
	Brown pelican	4000-5000 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-	
	Caspian tern	200-600 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	JUN-JUL	-	-	
	Cattle egret	200 PAIRS		X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	-	-	
	Common tern			X	X	X	X	X	X						MAY-JUN	-	-	
	Gull-billed tern	P 25 PAIRS		X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-	
	Laughing gull	4000-5000 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	JUN-JUL	-	-	
	Little blue heron		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-	
	Mottled duck		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-	
	Royal tern	2000-3000 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	JUN-JUL	-	-	
	Sandwich tern	200-300 PAIRS		X	X	X	X	X	X	X	X	X	X	X	JUN-JUL	-	-	
	Snowy egret	25 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-	
	Tricolored heron	10 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	-	-	
12	American bittern		X	X	X								X	-	-	-		
	Common moorhen		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-	
	Greater yellowlegs			X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Least bittern			X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-	
	Mottled duck		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-	
13	King rail		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	
98	Bufflehead		X	X	X								X	X	-	-	-	
	Common goldeneye		X	X	X								X	X	-	-	-	
	Greater scaup		X	X	X								X	X	-	-	-	
	Lesser scaup		X	X	X								X	X	-	-	-	
	Red-breasted merganser		X	X	X								X	X	X	-	-	-
102	Bald eagle	P T	X	X	X								X	X	-	-	-	
107	Black-crowned night-heron			X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-	
	Blue-winged teal			X	X								X		-	-	-	
	Cattle egret			X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	-	-	
	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	FEB-JUL	-	-	
	Great egret		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	
	Green-winged teal		X	X	X								X	X	X	-	-	-
	Killdeer		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	
	Little blue heron		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	
	Purple gallinule			X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-	
	Snowy egret		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-	
	Tricolored heron		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	-	-	
	Willet		X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-	
	Yellow-crowned night-heron		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-	
127	American white pelican	P	X	X	X								X	X	X	-	-	-
	Bonaparte's gull		X	X	X	X							X	X	-	-	-	
	Brown pelican		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Bufflehead		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	X	-	-	-
	Double-crested cormorant		X	X	X								X	X	X	-	-	-
	Forster's tern		X	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	X	X	-	-	-
	Horned grebe		X	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	-	-	-	
	Osprey	P	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	-	-	-	
	Ring-billed gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Royal tern		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Ruddy duck		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	
105	Atlantic croaker		4	4	4	4	4	4	4	4	4	4	4	3	3	-	-	AUG-APR	JAN-DEC	MAY-DEC
	Bay anchovy		4	4	4	4	4	4	4	4	4	4	4	4	4	FEB-SEP	FEB-NOV	FEB-DEC	JAN-DEC	JAN-DEC
	Bay whiff		2	2	3	3	3	3	3	3	3	3	3	2	-	-	DEC-APR	JAN-DEC	-	
	Blue catfish		1	2	2	2	1	1					1	1	-	-	-	-	NOV-JUL	
	Crevalle jack		2	2	2	2	2	2	2	2	2	2	2	2	JAN-DEC	MAY-SEP	MAY-SEP	JAN-DEC	MAY-SEP	
	Darter goby		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC	
	Gafftopsail catfish			1	1	2	2	1	2	1	2	1	1	1	-	-	-	-	MAY-DEC	
	Gray snapper				2	2	2	2	2	2	2	2	2	2	-	-	-	MAY-DEC	MAY-DEC	
	Gulf killifish		3	3	3	3	3	3	3	3	3	3	3	3	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC	
	Gulf menhaden		2	4	4	4	3	3	3	3	4	3	4	4	-	SEP-FEB	OCT-MAY	FEB-DEC	FEB-OCT	
	Gulf sturgeon	P T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	
	Hardhead catfish		2	2	2	3	3	3	3	3	3	3	3	2	APR-AUG	APR-AUG	APR-SEP	JAN-DEC	JAN-DEC	
	Red drum		2	2	2	2	2	2	2	2	2	2	2	2	-	SEP-DEC	SEP-DEC	JAN-DEC	JUN-OCT	
	Sand seatrout		2	2	4	4	4	4	3	3	3	2	2	2	FEB-SEP	FEB-SEP	FEB-SEP	JAN-DEC	JAN-DEC	
	Silver perch		2	2	2	2	2	2	2	2	2	2	2	2	APR-AUG	APR-AUG	APR-AUG	JAN-DEC	JAN-DEC	
	Southern flounder		2	2	2	2	2	2	2	2	2	2	2	2	-	-	NOV-MAR	JAN-DEC	JAN-DEC	
	Southern hake		1	1	2	2	2					1	1	1	-	-	-	-	OCT-OCT DEC-MAY	
	Spot		4	4	4	4	4	4	4	3	3	3	3	3	-	-	NOV-APR	JAN-DEC	JAN-DEC	
	Spotted seatrout		3	3	3	3	3	3	3	3	3	3	3	3	APR-AUG	APR-AUG	APR-OCT	JAN-DEC	JAN-DEC	
	Striped anchovy		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC	
	Striped mullet		3	3	3	3	3	3	3	3	3	3	3	3	-	-	DEC-APR	JAN-DEC	MAY-DEC	
	Threadfin shad		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC	
	White mullet		1			1	2	2	2	2	2	2	1	1	-	-	-	-	MAY-JAN	
113	Least puffer		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC	
	Pinfish		3	3	3	3	3	3	3	3	3	3	3	3	-	-	DEC-APR	JAN-DEC	MAR-OCT	
	Skipjack herring		1	1	1	1	1	1					1	1	-	-	-	-	AUG-AUG DEC-JUN	
	Southern kingfish		2	2	2	2	3	3	3	2	2	2	2	2	-	-	-	-	JAN-DEC	
	Star drum		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC	
114	Pigfish			1	1	1	1	1	1	1	2	1			-	-	-	-	MAR-NOV	
	Spotted hake		2	2	2	1							1		-	-	-	-	FEB-MAY NOV-NOV	
141	Atlantic spadefish		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC	
	Gulf butterfish		2	2	3	3	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC	
	Harvestfish		1	1	1	2	2	2	2	2	2	2	2	2	-	-	-	JAN-DEC	-	
	Ladyfish			1	1	2	2	1	1	1	1	1			-	-	-	-	MAR-NOV	
	Scaled sardine			2	2	2	2	2	2	2	2	2			-	-	-	-	APR-NOV	
	Sheepshead		2	2	3	3	3	2	3	2	2	2	2	2	FEB-MAR	FEB-APR	MAR-AUG	JAN-DEC	JAN-DEC	
	Silver seatrout		1	1			1	1	1	2	2	2	1		-	-	-	-	MAY-FEB	

Alabama: ESIMAP 10 (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
146	Inland silverside		3	3	3	3	3	3	3	3	3	3	3	3	MAR-AUG	MAR-AUG	MAR-SEP	JAN-DEC	JAN-DEC
	Longnose killifish		1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-
	Rough silverside		1	1	2	2	2	2	2	2	1	1	1	1	-	-	-	-	APR-FEB

HABITAT:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D
162	Beardgrass		X	X	X	X	X	X	X	X	X	X	X	X
170	Night-flowering wild-petunia		X	X	X	X	X	X	X	X	X	X	X	X
184	Bluethreads		X	X	X	X	X	X	X	X	X	X	X	X

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
105	Atlantic brief squid		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC
	Blue crab		4	4	4	4	4	4	4	4	4	4	4	4	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC	JAN-DEC
112	Eastern oyster		4	4	4	4	4	4	4	4	4	4	4	4	APR-NOV	-	APR-NOV	APR-NOV	JAN-DEC
114	Brown shrimp		4	4	4	4	4	4	4	4	4	4	4	4	NOV-APR	NOV-APR	FEB-NOV	MAR-NOV	JUN-AUG
	Pink shrimp		2	2	2	2	2	2	2	2	2	2	2	2	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
	White shrimp		4	4	3	3	3	4	4	4	4	4	4	4	MAR-OCT	MAR-NOV	JAN-DEC	JAN-DEC	JAN-DEC
143	Atlantic seabob shrimp		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-
	Mantis shrimp		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC
	Roughback shrimp		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-
147	Thinstripe hermit		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	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
1	Bottlenose dolphin		X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	-	-
	West Indian manatee	E VERY LOW					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
18	Alabama red-bellied turtle	P E	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	JAN-DEC	JAN-DEC

HUMAN USE RESOURCES:

BOAT RAMP:

HUN#	Name	Contact	Phone
10	BOAT RAMP		

MARINA:

HUN#	Name	Contact	Phone
46	FOWL RIVER MARINA		

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.