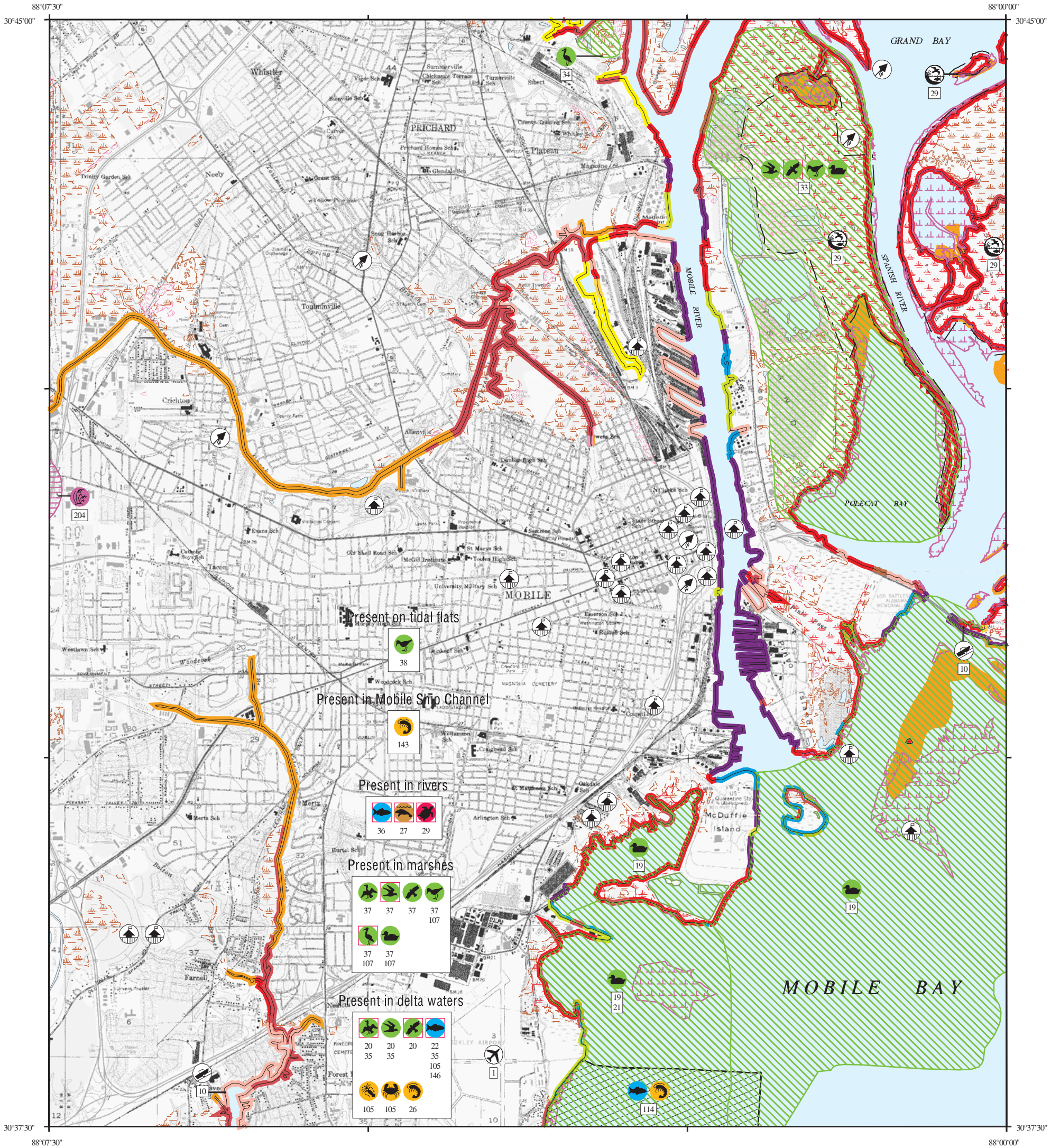


ENVIRONMENTAL SENSITIVITY INDEX MAP



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

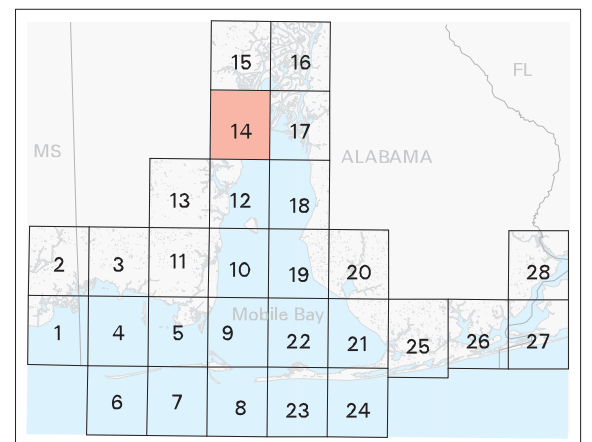


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National Ocean Service
Office of Response and Restoration
Emergency Response Division



Alabama: 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
19	American black duck	RARE	X	X	X	X						X	X	X	-	-	-
	American coot		X	X	X	X						X	X	X	-	-	-
	American wigeon		X	X								X	X		-	-	-
	Blue-winged teal			X	X					X					-	-	-
	Bufflehead		X	X	X							X	X		-	-	-
	Canvasback		X	X	X							X	X		-	-	-
	Gadwall		X	X	X	X						X	X	X	-	-	-
	Greater scaup		X	X	X							X	X		-	-	-
	Green-winged teal		X	X	X							X	X	X	-	-	-
	Hooded merganser		X	X	X	X						X	X	X	-	-	-
	Lesser scaup		X	X	X							X	X		-	-	-
	Mallard		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Mottled duck		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Northern pintail		X	X	X							X	X		-	-	-
	Northern shoveler		X	X	X	X						X	X	X	-	-	-
	Red-breasted merganser		X	X	X							X	X	X	-	-	-
	Redhead		X	X	X							X	X		-	-	-
	Ring-necked duck		X	X	X							X	X		-	-	-
	Ruddy duck		X	X	X							X	X		-	-	-
	Waterfowl	VERY HIGH	X	X	X							X	X		-	-	-
20	American white pelican	P	X	X	X	X						X	X	X	-	-	-
	Anhinga		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Brown pelican		X	X	X	X	X	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		-	-	-
	Herring gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Laughing gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Osprey	P	X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
	Ring-billed gull		X	X	X	X						X	X	X	-	-	-
	Royal tern		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
21	Common goldeneye		X	X	X	X						X	X	X	-	-	-
33	Bald eagle	P T	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black-necked stilt		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
	Osprey	P	X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
	Shorebirds			X	X	X						X	X	X	-	-	-
	Terns						X	X	X	X					-	-	-
	Waterfowl		X	X	X							X	X		-	-	-
34	Cattle egret	200 PAIRS		X	X	X	X	X	X	X	X				MAY-JUN	-	-
	Great egret	25 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-
	Little blue heron	200 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Snowy egret		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Tricolored heron	200 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUN	-	-
	White ibis	25 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
	Yellow-crowned night-heron	15 PAIRS		X	X	X	X	X	X	X					APR-JUL	-	-
35	Bonaparte's gull		X	X	X							X	X		-	-	-
	Horned grebe		X	X	X	X						X	X	X	-	-	-
37	American avocet	HIGH	X	X	X	X					X	X	X	X	-	-	-
	American bittern		X	X	X							X			-	-	-
	American black duck	RARE	X	X	X	X						X	X	X	-	-	-
	American coot		X	X	X	X						X	X	X	-	-	-
	American wigeon		X	X								X	X		-	-	-
	Black skimmer		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Canada goose		X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-
	Caspian tern			X	X	X	X	X							-	-	-
	Common moorhen		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
	Gadwall		X	X	X	X						X	X	X	-	-	-
	Glossy ibis		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Greater yellowlegs			X	X	X	X	X	X	X					-	-	-
	Green heron		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
	Gull-billed tern	P		X	X	X	X	X	X	X					-	-	-
	King rail		X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	Least bittern			X	X	X	X	X	X	X					MAY-JUL	-	-
	Mallard		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
	Mottled duck		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
	Northern harrier		X	X	X	X						X	X	X	-	-	-
	Pied-billed grebe		X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-
	Snow goose		X	X	X							X	X		-	-	-
	Sora		X	X	X	X						X	X	X	-	-	-
	Swallow-tailed kite			X	X	X	X	X	X	X					MAY-JUN	-	-
	White ibis		X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Wood duck		X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUL	-	-
	Wood stork	P E		X	X	X	X	X	X						-	-	-
38	Black-bellied plover		X	X	X	X						X	X	X	-	-	-
	Black-necked stilt		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Dunlin		X	X	X							X	X	X	-	-	-
	Least sandpiper		X	X	X							X	X	X	-	-	-
	Lesser yellowlegs		X	X	X	X						X	X	X	-	-	-
	Long-billed curlew			X	X							X	X		-	-	-
	Marbled godwit			X	X							X	X	X	-	-	-
	Short-billed dowitcher		X	X	X	X						X	X	X	-	-	-
	Solitary sandpiper			X	X	X						X	X	X	-	-	-
	Stilt sandpiper			X	X	X						X	X	X	-	-	-
	Western sandpiper		X	X	X	X						X	X	X	-	-	-
	White-rumped sandpiper			X	X	X									-	-	-
	Wilson's snipe		X	X	X							X	X	X	-	-	-
107	Black-crowned night-heron			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					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							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	-	-

FISH:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
22	American eel				1	1	1	1	1	1	1	1	1	1	-	-	-	-	MAR-OCT
	Black crappie					1	1	1	1	1	1				-	-	-	-	APR-SEP
	Bluegill		1	1	1	1	1						1	-	-	-	-	DEC-MAY	
	Fringed flounder		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC
	Gizzard shad		2	2	2	2	2	2	2	2	2	2	2	2	MAR-AUG	MAR-AUG	MAR-SEP	JAN-DEC	JAN-DEC
	Largemouth bass		1	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-

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.

Alabama: ESIMAP 14 (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
22	Rainwater killifish		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC
	Redear sunfish		1	1	1	1	1	2	2	2	1	1	1	-	-	-	-	-	
	Spotted sunfish		1	1	1	1								-	-	-	-	-	
35	Sheepshead minnow		3	3	3	3	3	3	3	3	3	3	3	APR-OCT	APR-OCT	APR-NOV	DEC-MAR	JAN-DEC	
	Shiners		2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC	
36	Black crappie					1	1	1	1	1				-	-	-	-	APR-SEP	
	Bluegill		1	1	1	1							1	-	-	-	-	DEC-MAY	
	Gulf killifish		3	3	3	3	3	3	3	3	3	3	3	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC	
	Gulf sturgeon	P T	1	1	1	1								FEB-APR	-	FEB-MAY	FEB-MAY	-	
	Largemouth bass		X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-	JAN-DEC	
	Longear sunfish		X	X	X	X	X	X	X	X				MAY-JUN	-	-	-	FEB-SEP	
	Peamouth		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	
	Rainwater killifish		2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC	
	Sheepshead minnow		3	3	3	3	3	3	3	3	3	3	3	APR-OCT	APR-OCT	APR-NOV	DEC-MAR	JAN-DEC	
	Shiners		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	
	Spotted sunfish		1	1	1	1								-	-	-	-	-	
	Striped bass					X	X	X						APR-JUN	-	-	-	APR-JUN	
	Yellow bass		X	X	X	X							X	-	-	-	-	DEC-MAY	
105	Atlantic croaker		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	FEB-SEP	FEB-NOV	FEB-DEC	JAN-DEC	JAN-DEC	
	Bay whiff		2	2	3	3	3	3	3	3	3	3	2	-	-	DEC-APR	JAN-DEC	-	
	Blue catfish		1	2	2	2	1						1	1	-	-	-	-	NOV-JUL
	Crevalle jack		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	-	-	-	-	JAN-DEC	
	Gafftopsail catfish					1	1	2	1	2	1	2	1	1	-	-	-	-	MAY-DEC
	Gray snapper					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	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC	
	Gulf menhaden		2	4	4	4	3	3	3	3	4	3	4	-	SEP-FEB	OCT-MAY	FEB-DEC	FEB-OCT	
	Gulf sturgeon	P T	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	2	APR-AUG	APR-AUG	APR-SEP	JAN-DEC	JAN-DEC	
	Red drum		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	FEB-SEP	FEB-SEP	FEB-SEP	JAN-DEC	JAN-DEC	
	Silver perch		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	-	-	NOV-MAR	JAN-DEC	JAN-DEC	
	Southern hake		1	1	2	2	2					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	APR-AUG	APR-AUG	APR-OCT	JAN-DEC	JAN-DEC	
	Striped anchovy		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	-	-	DEC-APR	JAN-DEC	MAY-DEC	
	Threadfin shad		2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC	
	White mullet		1			1	2	2	2	2	2	2	1	-	-	-	-	MAY-JAN	
114	Pigfish			1	1	1	1	1	1	1	2	1		-	-	-	-	MAR-NOV	
	Spotted hake		2	2	2	1							1	-	-	-	-	FEB-MAY NOV-NOV	
146	Inland silverside		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	-	-	-	-	-	
	Rough silverside		1	1	2	2	2	2	2	2	1	1	1	-	-	-	-	APR-FEB	

HABITAT:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D
204	Nodding clubmoss		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
26	Brown shrimp		2	4	4	4	4	4	4	4	4	4	4	2	-	-	FEB-NOV	MAR-NOV	JUN-AUG
	Pink shrimp		2	2	2	2	2	2	2	2	2	2	2	2	-	-	AUG-OCT	MAY-JAN	JAN-DEC
	White shrimp		2	2	2	2	3	3	4	4	4	4	3	2	-	-	-	JAN-DEC	JAN-MAY
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
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	-	-	-	-	-

MARINE MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
27	West Indian manatee	E				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	Internesting	Juveniles	Adults
29	Alabama red-bellied turtle	P E	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	JAN-DEC	JAN-DEC
	Alligator snapping turtle	P	X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY	-	-	JAN-DEC	JAN-DEC

HUMAN USE RESOURCES:

AIRPORT:

HUN#	Name	Contact	Phone
1	BROOKLEY AIRPORT		

BOAT RAMP:

HUN#	Name	Contact	Phone
10	BOAT RAMP		

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
29	WL HOLLAND WMA	CARL FERRARO; ADCNR-SLD	251/929-0900

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