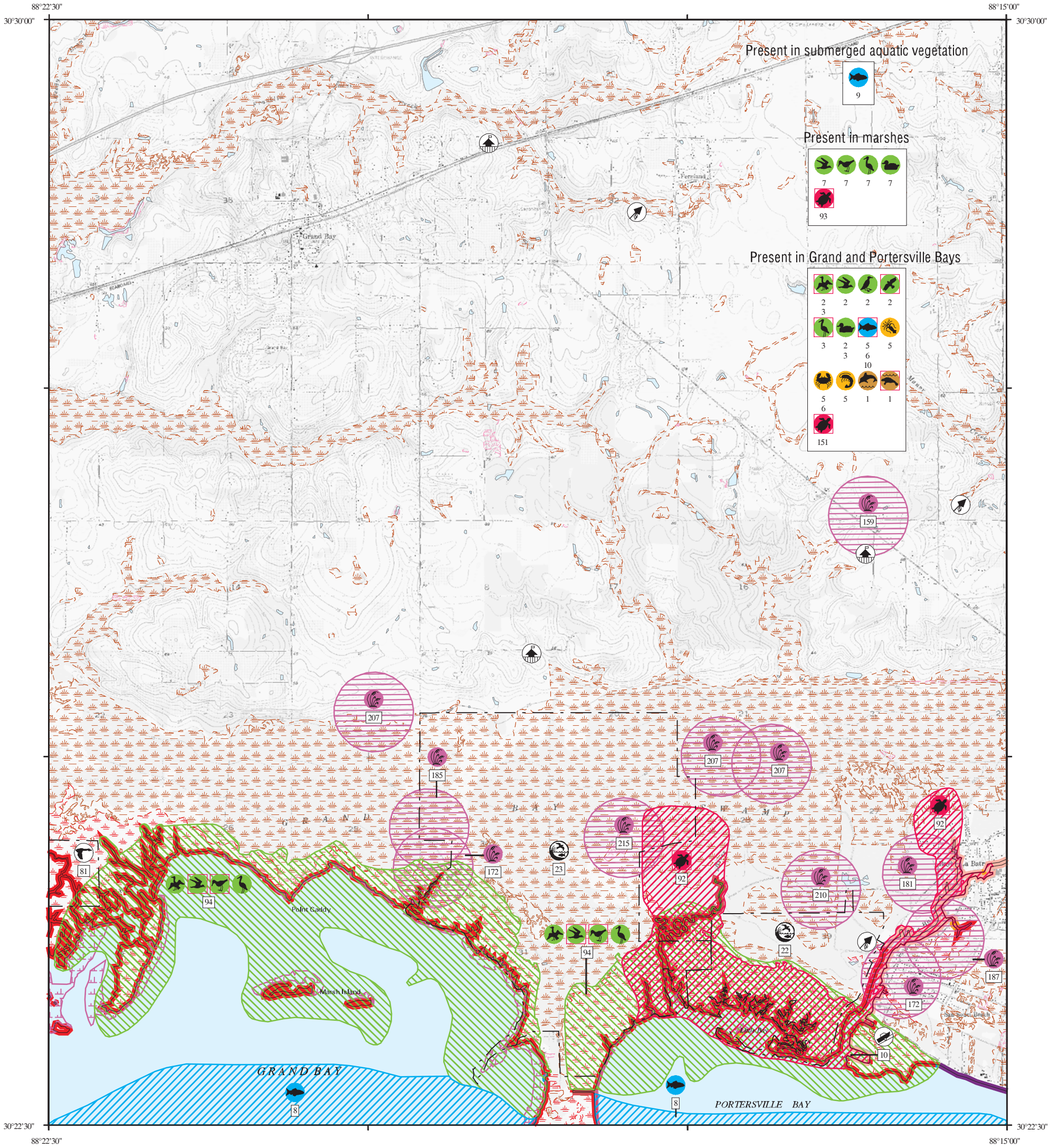


ENVIRONMENTAL SENSITIVITY INDEX MAP



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

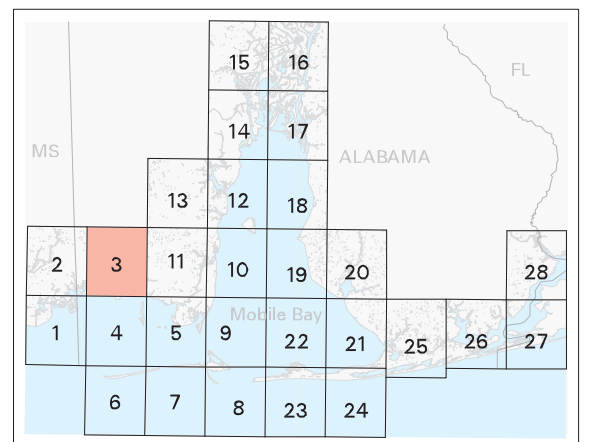


SCALE 1:50000



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Office of Response and Restoration
Emergency Response Division



Alabama: ESIMAP 3

BIOLOGICAL RESOURCES:

BIRD:

Table with columns: RAR#, Species, S F Conc., J F M A M J J A S O N D, Nesting, Migrating, Molting. Lists various bird species like American white pelican, Bonaparte's gull, etc.

FISH:

Table with columns: RAR#, Species, S F Conc., J F M A M J J A S O N D, Spawning, Eggs, Larvae, Juveniles, Adults. Lists various fish species like Atlantic croaker, Atlantic stingray, etc.

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 3 (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
8	Spanish mackerel		1	1	3	3	3	3	3	3	1	1	1		JUN-SEP	JUN-SEP	JUN-SEP	APR-SEP	JAN-DEC
	Spotted hake		1	1	1	1	1								-	-	-	-	JAN-JUN
	Tarpon		2	2	2	2	2	2	2	2	2	2	2		APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
9	Lined seahorse		1	1	1	1	1	1	1	1	1	1	1		-	-	-	-	JAN-DEC
10	Gulf sturgeon	P T	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	JAN-DEC

HABITAT:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D
159	Crenate milkwort		X	X	X	X	X	X	X	X	X	X	X	X
172	Tiny-leaved buckthorn		X	X	X	X	X	X	X	X	X	X	X	X
181	Harper's yellow-eyed grass		X	X	X	X	X	X	X	X	X	X	X	X
185	Bearded grass-pink		X	X	X	X	X	X	X	X	X	X	X	X
187	Bandana-of-the-everglades		X	X	X	X	X	X	X	X	X	X	X	X
207	Spoon-flower		X	X	X	X	X	X	X	X	X	X	X	X
210	Climbing fetter-bush		X	X	X	X	X	X	X	X	X	X	X	X
215	Large white fringed orchid		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
5	Atlantic brief squid		2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	JAN-DEC
	Blue crab		4	4	3	4	4	4	4	4	4	4	4	4	MAR-NOV	MAR-NOV	MAR-DEC	JAN-DEC	JAN-DEC
	Brown shrimp		4	4	4	4	4	4	4	4	4	4	4	4	NOV-APR	NOV-APR	FEB-NOV	JAN-DEC	JAN-DEC
	Grass shrimp		3	3	3	3	3	3	3	3	3	3	2		-	-	-	JAN-DEC	JAN-DEC
	Pink shrimp		1	1	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
6	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													-	-	-	-

REPTILE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
92	Alabama red-bellied turtle	P E	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	JAN-DEC	JAN-DEC
93	Mississippi diamondback terrapin	P	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	JAN-DEC	JAN-DEC
151	Green sea turtle	P T													-	-	-	MAR-NOV	APR-SEP
	Kemp's ridley sea turtle	P E													-	-	-	MAR-NOV	APR-SEP
	Leatherback sea turtle	P E													-	-	-	MAR-NOV	-
	Loggerhead sea turtle	P T													-	-	-	MAR-NOV	APR-SEP

HUMAN USE RESOURCES:

BOAT RAMP:

HUN#	Name	Contact	Phone
10	BOAT RAMP		

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
22	GRAND BAY SAVANNA ADDITION FW 24	CARL FERRARO; ADCNR-SLD	251/929-0900
23	GRAND BAY SAVANNA FW 4	CARL FERRARO; ADCNR-SLD	251/929-0900

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
81	GRAND BAY NATIONAL WILDLIFE REFUGE	USFWS	228/475-0765

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