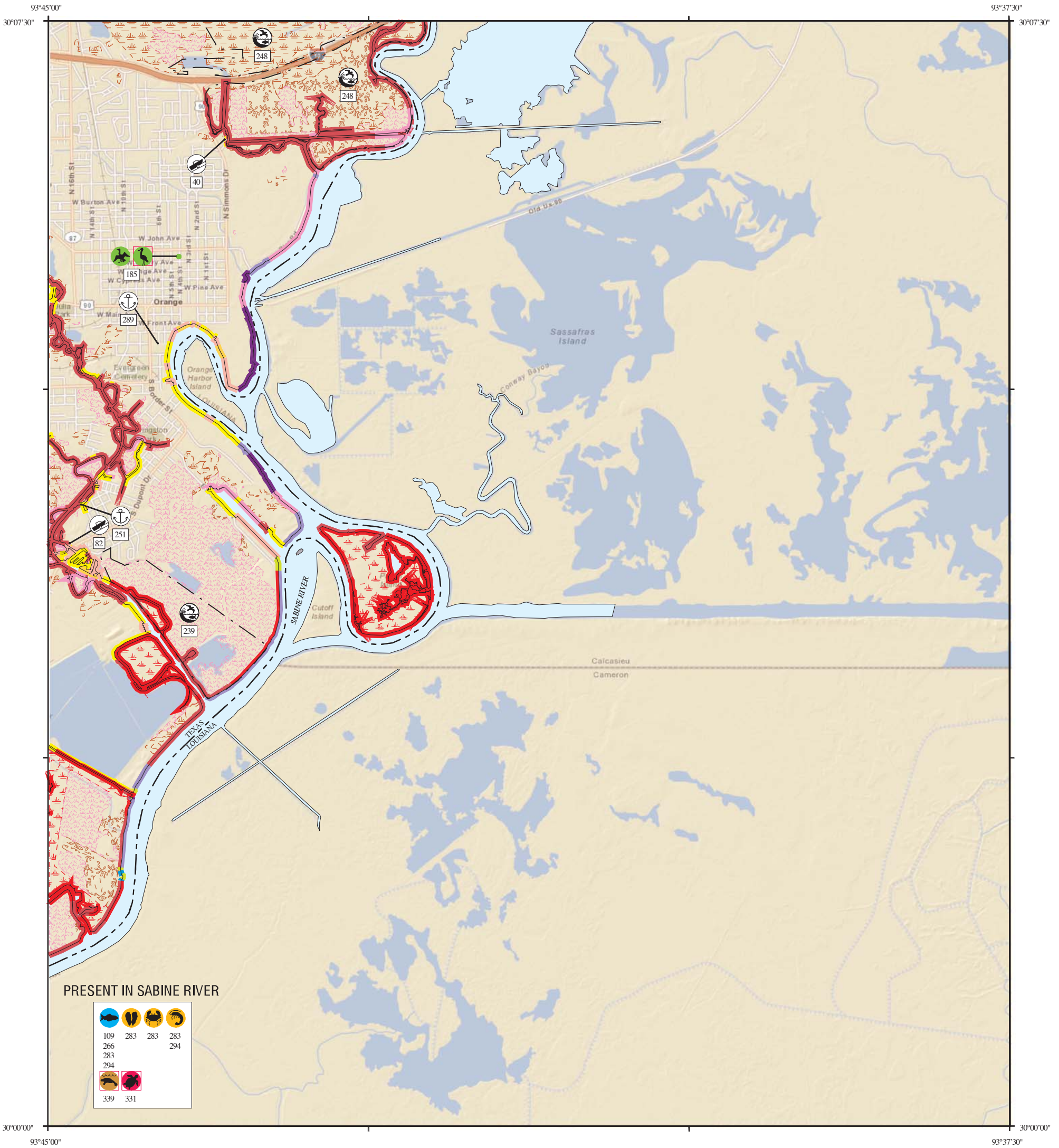
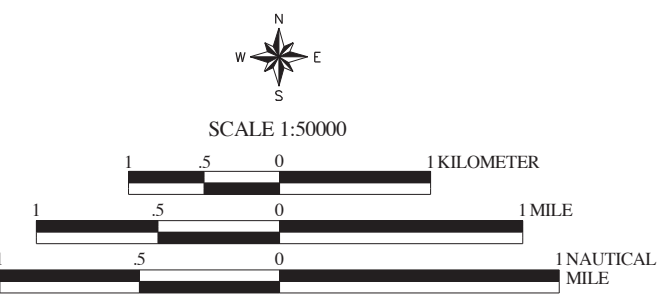


ENVIRONMENTAL SENSITIVITY INDEX MAP

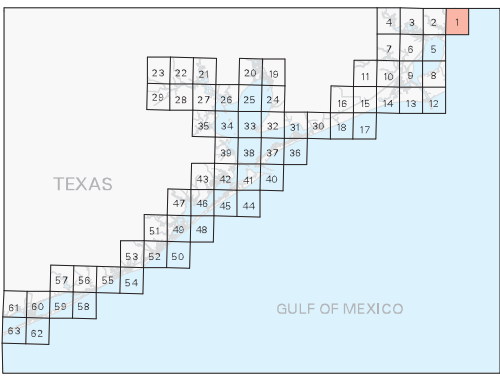


- SHORELINE HABITATS (ESI)
- 1B EXPOSED, SOLID MAN-MADE STRUCTURES
 - 2A EXPOSED WAVE-CUT PLATFORMS IN CLAY
 - 2B EXPOSED SCARPS AND STEEP SLOPES IN CLAY
 - 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
 - 3B SCARPS AND STEEP SLOPES IN SAND
 - 5 MIXED SAND AND GRAVEL (SHELL) BEACHES
 - 6A GRAVEL BEACHES
 - 6B RIPRAP
 - 7 EXPOSED TIDAL FLATS
 - 8A SHELTERED SCARPS IN CLAY OR BEDROCK
 - 8B SHELTERED, SOLID MAN-MADE STRUCTURES
 - 8C SHELTERED RIPRAP
 - 9A SHELTERED TIDAL FLATS
 - 10A SALT-AND BRACKISH-WATER MARSHES
 - 10B FRESHWATER MARSHES
 - 10C SWAMPS
 - 10D SCRUB-SHRUB WETLANDS



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Emergency Response Division



Upper Texas Coast: ESIMAP 1

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting
185	Anhinga	4-8 PAIRS	X X X X X X X X X X	APR-JUN	-	-
	Cattle egret	350-2107 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
	Double-crested cormorant	216 INDIV	X X X X X X X X	-	-	-
	Great blue heron	1 PAIR	X X X X X X X X X X X X	FEB-JUN	-	-
	Great egret	275-1311 PAIRS	X X X X X X X X X X X X	MAR-JUL	MAR-APR	-
	Little blue heron	11 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
	Neotropic cormorant	50-153 PAIRS	X X X X X X X X X X X X	FEB-OCT	-	-
	Roseate spoonbill	3-7 PAIRS	X X X X X X X X X X X X	APR-AUG	-	-
	Tricolored heron	9 PAIRS	X X X X X X X X X X X X	APR-AUG	-	-
	White ibis	12 PAIRS	X X X X X X X X X X X X	FEB-JUL	-	-
	White-faced ibis	T 2 PAIRS	X X X X X X X X X X X X	FEB-AUG	-	-

FISH:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
109	Bull shark	RARE	X X X X X X X X X X X X	-	MAY-AUG	MAY-AUG	APR-NOV	JAN-DEC
266	Tarpon	RARE	X X X X X X X X X X	-	-	-	MAR-NOV	-
283	Alligator gar	COMMON	X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Atlantic bumper	RARE	X X	-	-	-	-	AUG-SEP
	Atlantic spadefish	RARE	X X X X	-	-	-	JUL-OCT	-
	Bay anchovy	COMMON	X X X X X X X X X X X X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
	Bay whiff	RARE	X X X X X X X X X X X X	-	-	-	JUL-AUG	JAN-DEC
	Crevalle jack	COMMON	X X X	-	-	-	JUN-AUG	-
	Gafftopsail catfish	ABUNDANT	X X X X X X X	APR-MAY	-	-	APR-OCT	APR-OCT
	Gizzard shad	ABUNDANT	X X X X X X X X X X X X	-	-	-	-	JAN-DEC
	Gulf killifish	COMMON	X X X X X X X X X X X X	MAR-SEP	MAR-SEP	MAR-OCT	JAN-DEC	JAN-DEC
	Gulf menhaden	ABUNDANT	X X X X X X X X X X X X	-	-	-	JAN-DEC	APR-DEC
	Hardhead catfish	ABUNDANT	X X X X X X X X X X X X	MAY-AUG	MAY-SEP	MAY-SEP	JUN-SEP	JAN-DEC
	Pinfish	RARE	X X X X X X X	-	-	-	APR-OCT	APR-OCT
	Sand seatrout	COMMON	X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Sheepshead	COMMON	X X X X X X X X X X X X	-	-	-	DEC-FEB	JAN-DEC
	Silver perch	RARE	X X X X X X X X X X X X	MAY-SEP	MAY-SEP	MAY-SEP	OCT-NOV	JAN-DEC
	Silversides	COMMON	X X X X X X X X X X X X	MAR-AUG	MAR-AUG	MAR-AUG	JAN-DEC	JAN-DEC
	Spanish mackerel	COMMON	X X	-	-	-	SEP-OCT	SEP-OCT
	Spotfin mojarra	RARE	X X	-	-	-	-	-
	Spotted gar	ABUNDANT	X X X X X X X X X X X X	APR-MAY	APR-MAY	-	JAN-DEC	JAN-DEC
	Star drum		X X X X X X X X X X X X	-	-	-	-	-
	Striped mullet	COMMON	X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	White mullet	COMMON	X X X X	-	-	-	JUN-SEP	-
294	Atlantic croaker	HIGHLY ABUNDANT	X X X X X X X X X X X X	-	-	JAN-JUN	JAN-DEC	JAN-DEC
	Black drum	COMMON	X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Red drum	COMMON	X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder	COMMON	X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DEC
	Spot	HIGHLY ABUNDANT	X X X X X X X X X	-	-	-	MAR-OCT	MAR-NOV
	Spotted seatrout	COMMON	X X X X X X X X X X X X	APR-OCT	APR-OCT	APR-OCT	OCT-NOV	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
283	Atlantic rangia	ABUNDANT	X X X X X X X X X X X X	MAR-OCT	-	MAR-OCT	JAN-DEC	JAN-DEC
	Blue crab	ABUNDANT	X X X X X X X X X X X X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Grass shrimp	COMMON	X X X X X X X X X X X X	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
294	Brown shrimp	ABUNDANT	X X X X X X X X X X X X	-	-	MAR-APR	APR-DEC	-
	White shrimp	HIGHLY ABUNDANT	X X X X X X X X X X X X	-	-	MAY-JUN	APR-DEC	MAR-JAN

MARINE MAMMAL:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Mating	Calving	Pupping	Molting
339	West Indian manatee	E E VERY RARE	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
331	Kemp's ridley sea turtle	E E COMMON	X X X X X X X X	-	-	-	APR-NOV	-

HUMAN USE RESOURCES:

BOAT RAMP:

HUN#	Name	Contact	Phone
40	BLUE BIRD FISH CAMP		
82	LOITIAS LANDING		

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
239	LOWER NECHES WMA	TPWD	
248	TONY HOUSEMAN WMA		

MARINA:

HUN#	Name	Contact	Phone
251	ALLEN & CLEO'S BOAT STORAGE & MARINA		409/886-8533
289	ST. NICK'S MARINA		409/883-4610