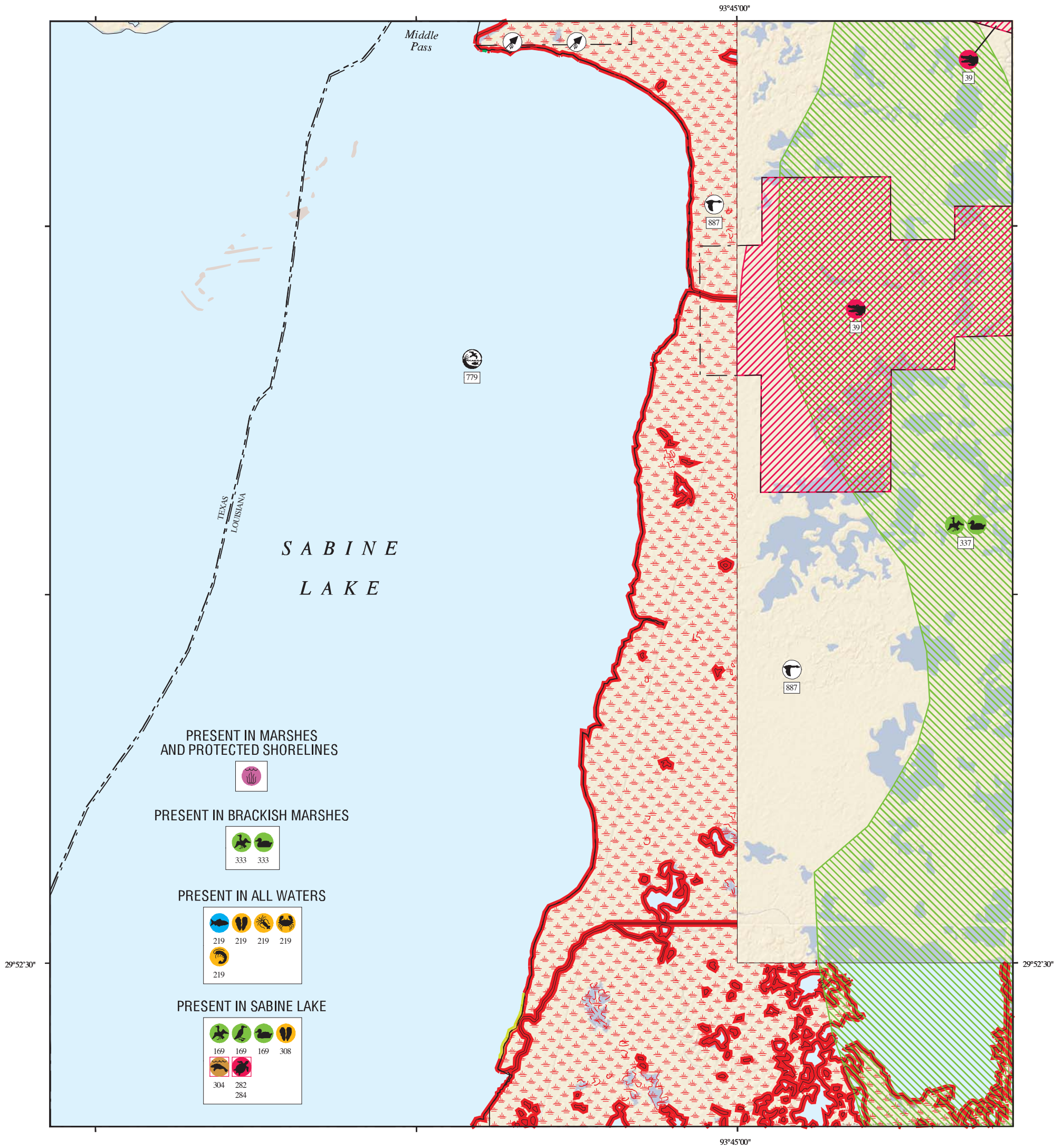


# ENVIRONMENTAL SENSITIVITY INDEX MAP

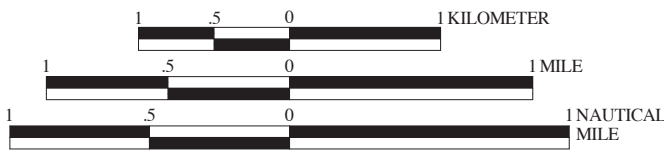


## SHORELINE HABITATS (ESI)

- 1B EXPOSED, SOLID MAN-MADE STRUCTURES
- 2A EXPOSED WAVE-CUT PLATFORMS IN CLAY OR MUD
- 2B EXPOSED SCARPS AND STEEP SLOPES IN CLAY OR MUD
- 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
- 3B SCARPS AND STEEP SLOPES IN SAND
- 4 COARSE-GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL (SHELL) BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED SCARPS IN CLAY OR MUD
- 8B SHELTERED, SOLID MAN-MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 8E PEAT
- 9A SHELTERED TIDAL FLATS
- 9B VEGETATED LOW BANKS
- 10A SALT-AND BRACKISH-WATER MARSHES
- 10B FRESHWATER MARSHES
- 10C SWAMPS
- 10D SCRUB-SHRUB WETLANDS, INCLUDING BLACK MANGROVES

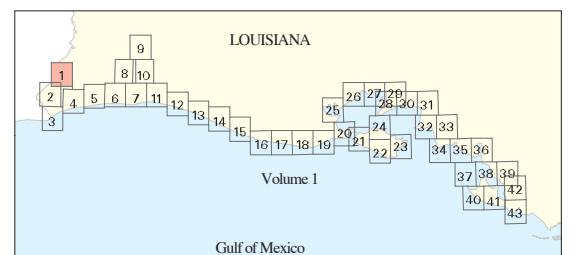


SCALE 1:50000



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National Ocean Service  
Office of Response and Restoration  
Emergency Response Division



**Louisiana: 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	
169	Common loon		X	X	X	X							X	X	-	-	-	
	Northern gannet		X	X	X							X	X	X	-	-	-	
	Scaup	100S	X	X	X	X	X						X	X	X	-	-	-
333	American coot	UP TO 226 IND/SQ MI	X	X	X	X						X	X	X	X	-	-	-
	American white pelican	MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	American wigeon	UP TO 122 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Blue-winged teal	UP TO 202 IND/SQ MI	X	X	X	X						X	X	X	X	-	-	-
	Canvasback	UP TO 6 IND/SQ MI	X	X	X								X	X	-	-	-	
	Gadwall	UP TO 665 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Green-winged teal	UP TO 1051 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Hooded merganser	UP TO 3 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Mallard	UP TO 428 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Mottled duck	UP TO 39 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	
	Northern pintail	UP TO 167 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Northern shoveler	UP TO 127 IND/SQ MI	X	X	X	X	X					X	X	X	X	-	-	-
	Ring-necked duck	UP TO 51 IND/SQ MI	X	X	X								X	X	-	-	-	
	Scaup	UP TO 203 IND/SQ MI	X	X	X	X	X						X	X	X	-	-	-
337	American coot	UP TO 234 IND/SQ MI	X	X	X	X						X	X	X	X	-	-	-
	American white pelican	MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	American wigeon	UP TO 41 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Blue-winged teal	UP TO 194 IND/SQ MI	X	X	X	X						X	X	X	X	-	-	-
	Canvasback	UP TO 3 IND/SQ MI	X	X	X								X	X	-	-	-	
	Gadwall	UP TO 312 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Green-winged teal	UP TO 220 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Hooded merganser	UP TO 1 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Mallard	UP TO 169 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Mottled duck	UP TO 34 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	
	Northern pintail	UP TO 210 IND/SQ MI	X	X	X	X							X	X	X	-	-	-
	Northern shoveler	UP TO 104 IND/SQ MI	X	X	X	X	X					X	X	X	X	-	-	-
	Ring-necked duck	UP TO 38 IND/SQ MI	X	X	X								X	X	-	-	-	
	Scaup	UP TO 19 IND/SQ MI	X	X	X	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
219	Alligator gar	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Anchovies	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Atlantic spadefish	COMMON						X	X	X	X				-	-	-	-	-
	Atlantic tripletail	PRESENT			X	X	X	X	X	X					-	-	-	APR-OCT	APR-OCT
	Black drum	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	-	JAN-DEC	JAN-DEC
	Bull shark	PRESENT		X	X	X	X	X	X						-	-	MAY-SEP	MAR-OCT	-
	Croakers	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Forage fish	ABUNDANT			X	X	X	X	X	X					-	-	-	-	-
	Gafftopsail catfish	ABUNDANT		X	X	X	X	X	X	X					-	-	-	-	-
	Gulf menhaden	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Herrings and sardines	HIGHLY ABUNDANT			X	X									-	-	-	-	-
	Killifish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Kingfishes	COMMON		X	X	X	X								-	-	-	-	-
	Red drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	AUG-OCT	JAN-DEC	JAN-DEC
	Shad	COMMON	X	X	X	X	X	X	X	X					-	-	-	-	-
	Sheepshead	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Spanish mackerel	COMMON			X	X									-	-	-	SEP-OCT	-
	Spotted gar	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	Spotted seatrout	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	APR-SEP	JAN-DEC	JAN-DEC
	Striped mullet	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	White trout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	MAR-SEP	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
219	Atlantic rangia	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Blue crab	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	APR-NOV	APR-NOV	JAN-DEC	JAN-DEC
	Brown shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	JAN-DEC	-
	Fiddler crab	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	-	-
	Grass shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	River shrimp	COMMON		X	X	X	X	X	X						APR-JUL	-	APR-JUL	-	MAR-APR
	Squid	COMMON		X	X	X	X	X	X	X					-	-	-	APR-NOV	APR-NOV
	Stone crab	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-NOV	JAN-DEC	-
308	Eastern oyster	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-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
304	West Indian manatee	E E RARE TO UNCOMMON	X	X	X	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	
39	American alligator	76-125 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	JUL-SEP	-	JAN-DEC	JAN-DEC	
282	Kemp's ridley sea turtle	E E ABUNDANT		X	X	X	X	X							-	-	-	APR-SEP	-	
284	Green sea turtle	T T OCCASIONAL		X	X	X	X	X	X	X						-	-	-	MAR-NOV	MAR-NOV
	Hawksbill sea turtle	E E VERY RARE		X	X	X	X	X	X						-	-	-	MAR-OCT	-	
	Leatherback sea turtle	E E RARE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Loggerhead sea turtle	T T COMMON		X	X	X	X	X	X	X						-	-	-	MAR-NOV	MAR-NOV

**HUMAN USE RESOURCES:**

**MANAGEMENT AREA:**

HUN#	Name	Contact	Phone
779	PUBLIC OYSTER AREA	LDWF	

**WILDLIFE REFUGE:**

HUN#	Name	Contact	Phone
887	SABINE NATIONAL WILDLIFE REFUGE	USFWS	

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. The LDWF-LNHP provided information for some of the federally and state listed species and species of conservation concern for display in the ESI atlas and accompanying digital data in 2013. The available LNHP data sets are to be used for oil spill response and spill response planning only. These data represent existing information known to the LNHP at the time of the request and should never be substituted for consultation with the LNHP. The more spatially generalized 2011 polygonal waterbird colony data was provided by LNHP and the more spatially specific 2006 point waterbird colony data was provided by BTNEP. The display of these two data sets does not imply that EITHER or BOTH sets of polygons and/or points (especially if counts are aggregated) reflect current nest locations OR counts, but rather are to be used as a guide for what species could be present.