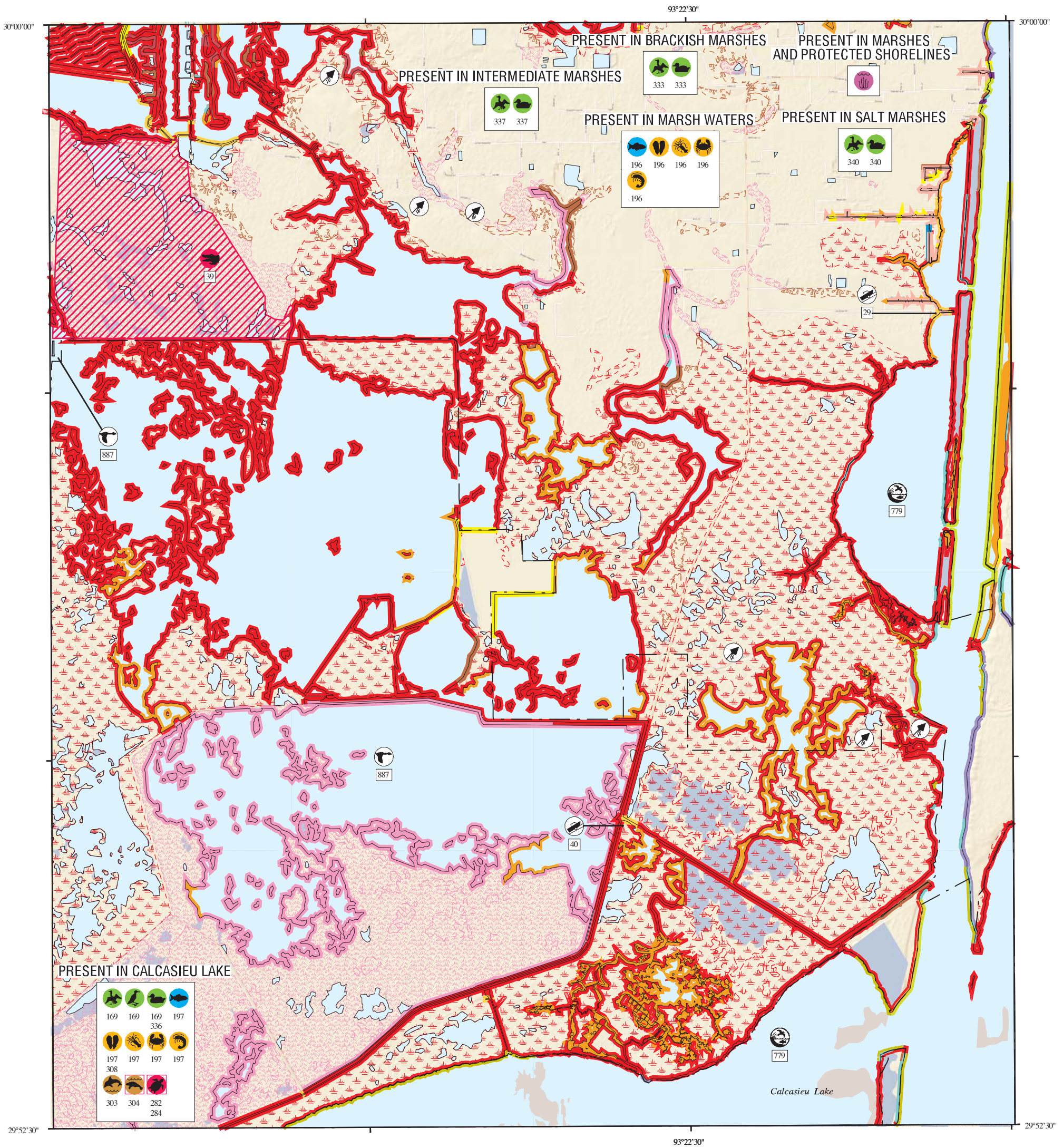


# ENVIRONMENTAL SENSITIVITY INDEX MAP

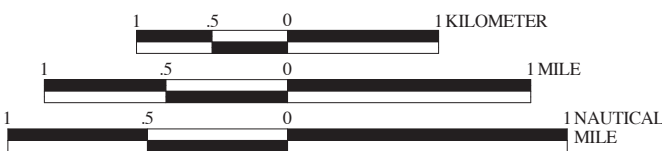


## SHORELINE HABITATS (ESI)

- 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

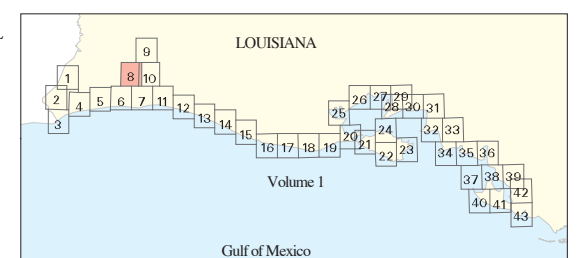


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National Ocean Service  
Office of Response and Restoration  
Emergency Response Division



Louisiana: ESIMAP 8

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	-	-	-
	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	-	-	-
	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	-	-	-
336	American coot		X	X	X	X						X	X	X	-	-	-
	American wigeon		X	X	X	X						X	X	X	-	-	-
	Blue-winged teal		X	X	X	X						X	X	X	-	-	-
	Canvasback		X	X	X							X	X		-	-	-
	Gadwall		X	X	X	X						X	X	X	-	-	-
	Green-winged teal		X	X	X	X						X	X	X	-	-	-
	Hooded merganser		X	X	X	X						X	X	X	-	-	-
	Mallard		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	X	X	-	-	-
	Northern shoveler		X	X	X	X						X	X	X	-	-	-
	Ring-necked duck		X	X	X							X	X		-	-	-
337	American coot	UP TO 234 IND/SQ MI	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	-	-	-
	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	-	-	-
	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	-	-	-
340	American coot	UP TO 15 IND/SQ MI	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 81 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Blue-winged teal	UP TO 231 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Gadwall	UP TO 1063 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Green-winged teal	UP TO 938 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 181 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Mottled duck	UP TO 51 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-
	Northern pintail	UP TO 4 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Northern shoveler	UP TO 286 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Ring-necked duck	UP TO 974 IND/SQ MI	X	X	X							X	X		-	-	-
	Scaup	UP TO 45 IND/SQ MI	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
196	Anchovies	RARE	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Atlantic spadefish	ABUNDANT					X	X	X	X	X				-	-	-	-	-
	Black drum	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Croakers	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Forage fish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Gafftopsail catfish	COMMON					X	X	X	X					-	-	-	-	-
	Gulf menhaden	ABUNDANT	X	X	X	X	X	X	X	X					-	-	-	FEB-AUG	FEB-AUG
	Kingfishes	RARE					X	X	X						-	-	-	-	-
	Red drum	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	AUG-OCT	JAN-DEC	-
	Sheepshead	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-MAR	JAN-DEC	JAN-DEC
	White trout	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
197	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	ABUNDANT					X	X	X	X					-	-	-	-	-
	Atlantic tripletail	ABUNDANT					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-JUL	JAN-DEC	JAN-DEC
	Cobia	PRESENT					X	X	X						-	-	-	-	-
	Croakers	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Forage fish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Gafftopsail catfish	ABUNDANT					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	PRESENT					X	X							-	-	-	-	-
	Killifish	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Kingfishes	COMMON					X	X	X						-	-	-	-	-
	Pipefish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Red drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	AUG-OCT	JAN-DEC	-
	Shad	ABUNDANT	X	X	X	X	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	-	-	FEB-MAR	JAN-DEC	JAN-DEC
	Spanish mackerel	COMMON					X	X	X						-	-	-	JUL-OCT	-
	Spotted seatrout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	APR-SEP	JAN-DEC	JAN-DEC
	Striped mullet	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
196	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Blue crab	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	APR-NOV	-	JAN-DEC	JAN-DEC
	Brown shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	FEB-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	-	-	-	-	-
	Squid	RARE					X	X	X	X					-	-	-	MAY-NOV	MAY-NOV
	Stone crab	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-NOV	JAN-DEC	-
197	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Atlantic seabob shrimp	COMMON					X	X							-	-	-	-	-
	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	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	JAN-DEC	-

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.

**Louisiana: ESIMAP 8 (cont.)**

**BIOLOGICAL RESOURCES: (cont.)**

**INVERTEBRATE: (cont.)**

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
197	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	-	-	-	-	-	
	Squid	ABUNDANT		X	X	X	X	X	X	X	X	X	X	-	-	-	APR-NOV	APR-NOV	
	White shrimp	HIGHLY ABUNDANT	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	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
303	Bottlenose dolphin	VERY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
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	Interesting	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	X	X	X	X	X	-	-	-	APR-SEP	-	
284	Green sea turtle	T T OCCASIONAL	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	MAR-NOV	
	Hawksbill sea turtle	E E VERY RARE		X	X	X	X	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	-	-	-	JAN-DEC	JAN-DEC	
	Loggerhead sea turtle	T T COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	MAR-NOV	

**HUMAN USE RESOURCES:**

**BOAT RAMP:**

HUN#	Name	Contact	Phone
29	DUGAS LANDING		
40	HOG ISL GULLY/SABINE WILDLIFE REF B RAMP		

**MANAGEMENT AREA:**

HUN#	Name	Contact	Phone
779	PUBLIC OYSTER AREA	LDWF	

**WILDLIFE REFUGE:**

HUN#	Name	Contact	Phone
887	SABINE NATIONAL WILDLIFE REFUGE	USEWS	

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