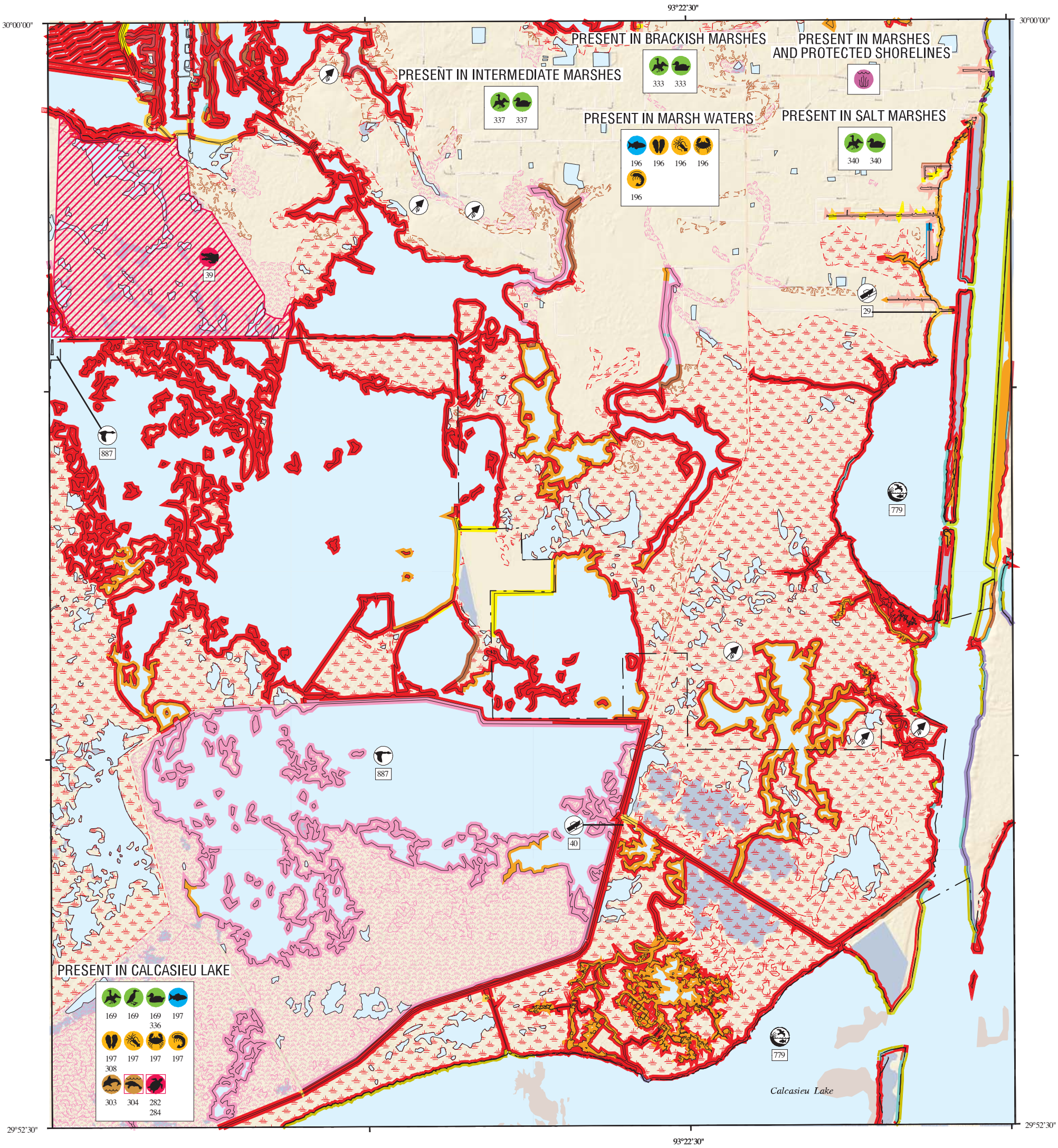
ENVIRONMENTAL SENSITIVITY INDEX MAP



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

N W E S

SCALE 1:50000

1 .5 0 1 KILOMETER

1 .5 0 1 MILE

1 .5 0 1 NAUTICAL MILE

Not For Navigation

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National Ocean Service
Office of Response and Restoration
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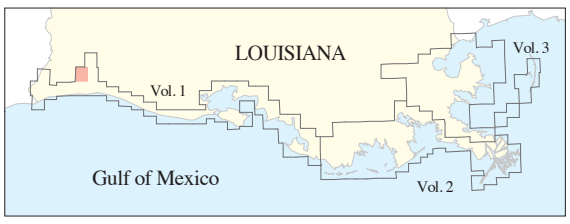

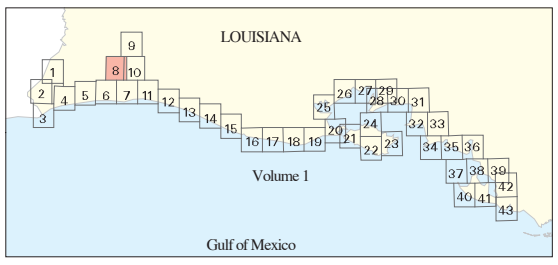

Louisiana: ESIMAP 8

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	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	-	-	-
336	American coot				X	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	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	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	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	-	-	-
340	American coot			UP TO 15 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 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	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	X	-	-	-
	Northern shoveler			UP TO 286 IND/SQ MI	X	X	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	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	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		-	-	-	-	-
	Gafftopsail catfish			COMMON						X	X	X	X				-	-	-	-	-
	Gulf menhaden			ABUNDANT		X	X	X	X	X	X	X					-	-	-	FEB-AUG	FEB-AUG
	Kingfishes			RARE						X	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	X			-	-	-	-	-
	Atlantic tripletail			ABUNDANT				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-JUL	JAN-DEC	JAN-DEC
	Cobia			PRESENT						X	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	-	-	-	-	-
	Gafftopsail catfish			ABUNDANT					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			PRESENT							X	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	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	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	APR-NOV	JAN-DEC	JAN-DEC
	Brown shrimp			ABUNDANT		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	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	X	-	-	-	-	-
	Squid			ABUNDANT				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	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
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	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	X				-	-	-	APR-SEP	-
284	Green sea turtle	T	T	OCCASIONAL			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			-	-	-	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	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	USFWS	

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