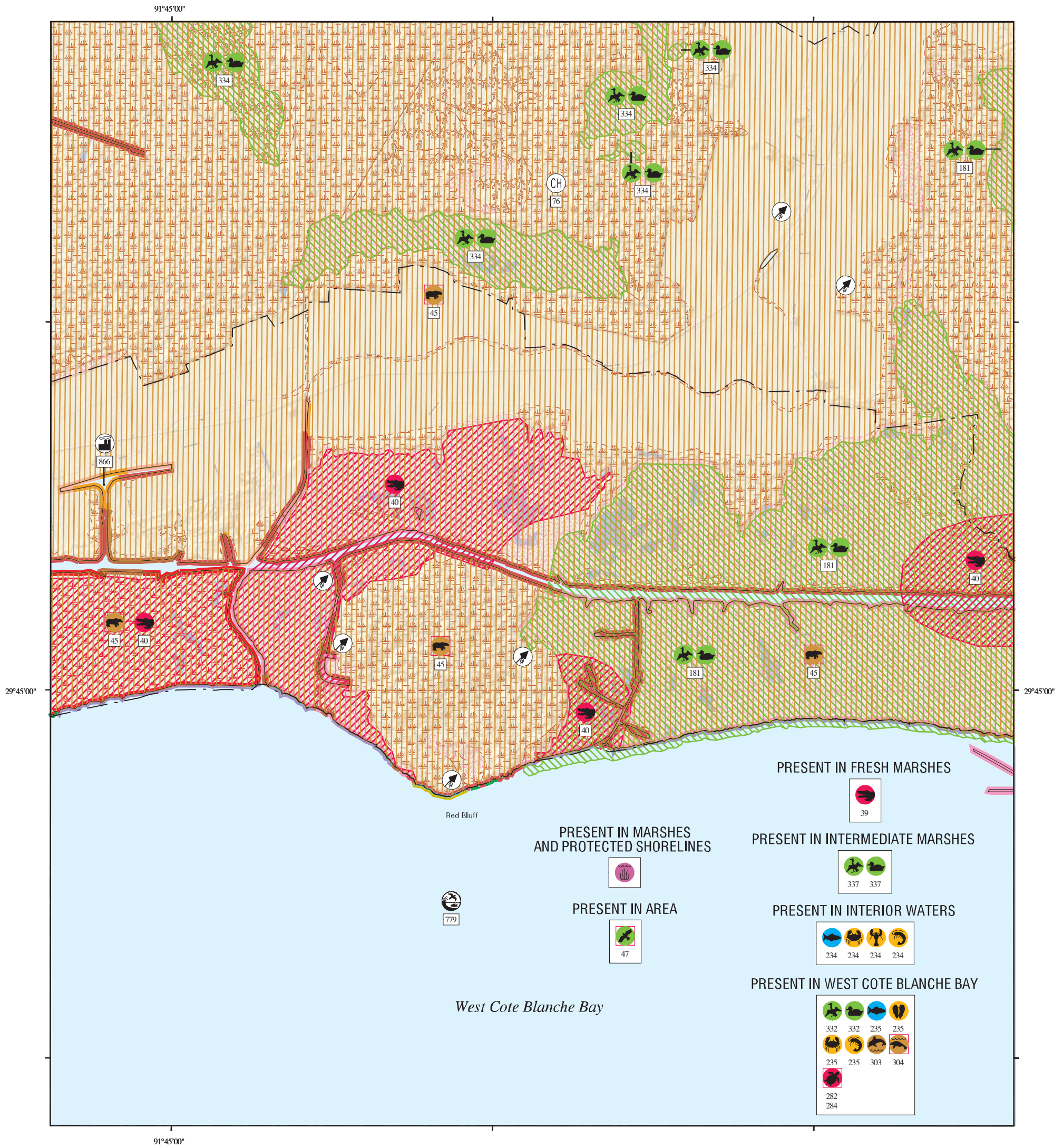


ENVIRONMENTAL SENSITIVITY INDEX MAP



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

1 0.5 0 1 KILOMETER

1 0.5 0 1 MILE

1 0.5 0 1 NAUTICAL MILE

LOUISIANA

Gulf of Mexico

Vol. 1 Vol. 2 Vol. 3

Not For Navigation
Published: December 2013

Published at Seattle, Washington
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Response and Restoration
Emergency Response Division

Louisiana ESI - Volume 1 **ESI-30**

Louisiana: ESIMAP 30

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
47	Bald eagle	E	X	X	X	X	X				X	X	X	X	NOV-APR	-	-
181	American coot	UP TO 1063 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	American white pelican	1000S	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	American wigeon	UP TO 98 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Blue-winged teal	UP TO 99 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Canvasback	UP TO 64 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Gadwall	UP TO 394 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Green-winged teal	UP TO 251 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Hooded merganser	UP TO 1 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Mallard	UP TO 338 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Mottled duck	UP TO 12 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-
	Northern pintail	UP TO 259 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Northern shoveler	UP TO 36 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Ring-necked duck	UP TO 289 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Scaup	UP TO 281 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
332	Common loon	HIGH	X	X	X	X	X				X	X	X	X	-	-	-
	Scaup	1000S	X	X	X	X	X				X	X	X	X	-	-	-
334	American coot	UP TO 608 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	American white pelican	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	American wigeon	UP TO 55 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Blue-winged teal	UP TO 390 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Canvasback	UP TO 4 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Gadwall	UP TO 333 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Green-winged teal	UP TO 225 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Hooded merganser	UP TO 1 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Mallard	UP TO 405 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Mottled duck	UP TO 57 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-
	Northern pintail	UP TO 201 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Northern shoveler	UP TO 141 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Ring-necked duck	UP TO 242 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Scaup	UP TO 55 IND/SQ MI	X	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	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	X	X	-	-	-
	Blue-winged teal	UP TO 194 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Canvasback	UP TO 3 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Gadwall	UP TO 312 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Green-winged teal	UP TO 220 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Hooded merganser	UP TO 1 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Mallard	UP TO 169 IND/SQ MI	X	X	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	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				X	X	X	X	-	-	-
	Scaup	UP TO 19 IND/SQ MI	X	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
234	Alligator gar	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	American eel	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Anchovies	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Black drum	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Blue catfish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	-	JAN-DEC	JAN-DEC
	Bowfin	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Bream	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-NOV	JAN-DEC	JAN-DEC
	Buffalo	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Channel catfish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	-	-	JAN-DEC
	Crappie	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	FEB-MAY	FEB-MAY	FEB-JUN	JAN-DEC	JAN-DEC
	Croakers	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Flathead catfish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Freshwater drum	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Gulf menhaden	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-APR	JAN-JUN	JAN-JUN
	Killifish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Largemouth bass	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	-	-	JAN-DEC	JAN-DEC
	Longnose gar	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	Paddlefish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Pipefish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Red drum	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Shad	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	MAR-MAY	MAR-JUN	MAR-JUL	JAN-DEC
	Southern flounder	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Spotted gar	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	Striped mullet	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	White bass	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	White trout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
235	Alligator gar	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Anchovies	ABUNDANT	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	X	X	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
	Blue catfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	APR-JUN	-	NOV-JUN	NOV-JUN
	Bull shark	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-SEP	JUN-SEP	-
	Croakers	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Gafftopsail catfish	ABUNDANT	X	X	X	X	X	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
	Kingfishes	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Paddlefish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Pipefish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Red drum	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	SEP-FEB
	Shad	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Sheepshead	COMMON	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
	Spotted seatrout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	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	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	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
234	Blue crab	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	APR-AUG	APR-AUG	FEB-AUG	FEB-AUG
	Grass shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Red swamp crawfish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	River shrimp	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUL	JUL-SEP	JAN-DEC
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUL-NOV	JUN-NOV	-
235	Atlantic rangia	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC

Louisiana: ESIMAP 30 (cont.)

BIOLOGICAL RESOURCES: (cont.)

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	-	-	-	-	

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
40	American alligator	<75 AC/NEST	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	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	-	-	-	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	

TERRESTRIAL MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D
45	Louisiana black bear	T T	X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
76	LOUISIANA BLACK BEAR CRITICAL HABITAT	USFWS	

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
779	PUBLIC OYSTER AREA	LDWF	

PORT:

HUN#	Name	Contact	Phone
866	PORT OF WEST ST. MARY		

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.