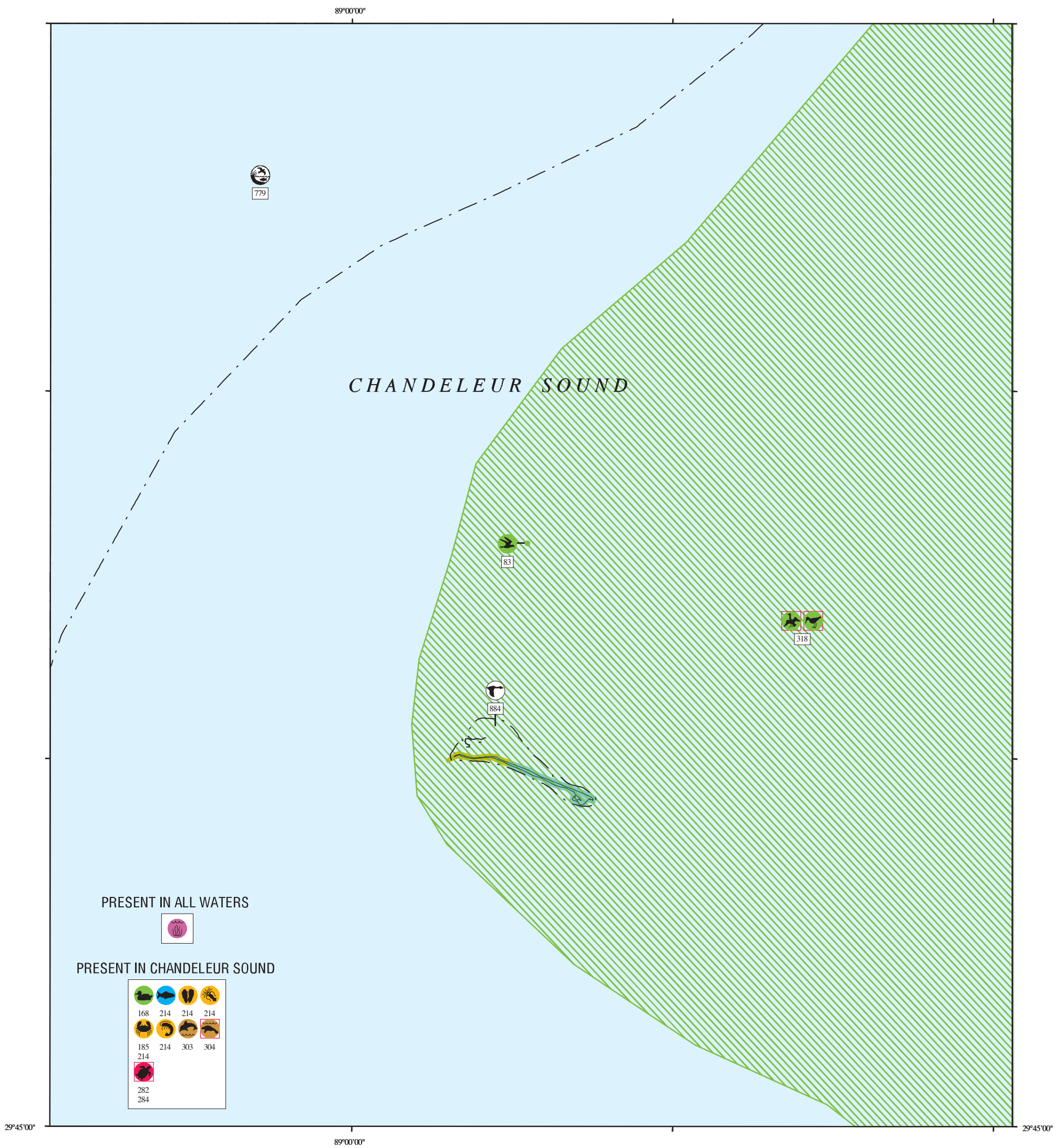


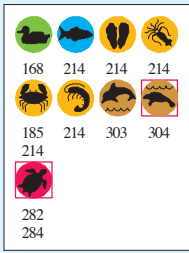
ENVIRONMENTAL SENSITIVITY INDEX MAP



PRESENT IN ALL WATERS



PRESENT IN CHANDELEUR SOUND

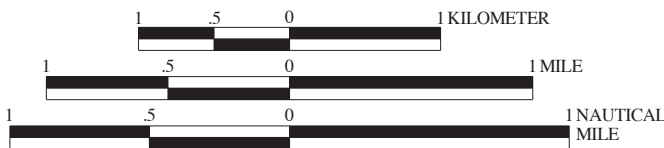


SHORELINE HABITATS (ESI)

- 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

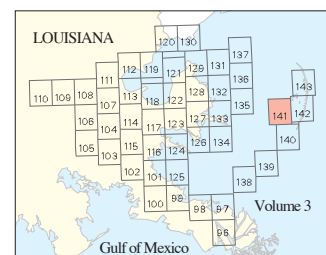


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Office of Response and Restoration
Emergency Response Division



Louisiana: ESIMAP 141

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
83	Black skimmer	600 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
	Laughing gull	1500 PAIRS	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-	
	Royal tern	1500 PAIRS	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	
	Sandwich tern	3500 PAIRS			X	X	X	X	X	X				APR-SEP	-	-	
168	Bufflehead		X	X	X								X	X	-	-	-
	Mergansers		X	X	X	X							X	X	-	-	-
	Scaup	10,000s	X	X	X	X							X	X	-	-	-
318	Brown pelican	E OVER 8,500 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	NOV-SEP	-	-
	Piping plover	T T	X	X	X	X				X	X	X	X	-	-	-	
	Red knot				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
214	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 sharpnose shark	HIGHLY ABUNDANT		X	X	X	X	X	X	X					-	-	MAY-OCT	MAR-OCT	MAR-OCT
	Atlantic spadefish	RARE						X	X	X	X				-	-	-	-	-
	Atlantic tripletail	PRESENT			X	X	X	X	X	X					-	-	-	APR-OCT	APR-OCT
	Black drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	JAN-JUL	JAN-DEC	JAN-DEC
	Blacktip shark	COMMON		X	X	X	X	X	X	X					-	-	MAY-OCT	MAR-OCT	MAR-OCT
	Bull shark	COMMON		X	X	X	X	X	X	X					-	-	MAY-SEP	MAR-OCT	-
	Croakers	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Finetooth shark			X	X	X	X	X	X	X					-	-	MAY-OCT	MAR-OCT	MAR-OCT
	Forage fish	HIGHLY 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	-	-	-	-	-
	Gray snapper	COMMON						X	X	X	X				-	-	-	JUL-NOV	-
	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	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Kingfishes	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Lane snapper	RARE						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	-
	Scalloped hammerhead			X	X	X	X	X	X						-	-	MAY-OCT	-	-
	Seahorses	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Shad	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Sheepshead	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-MAR	JAN-DEC	JAN-DEC
	Spanish mackerel	COMMON			X	X	X	X							-	-	-	MAY-SEP	-
	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	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Tarpon	PRESENT			X	X	X	X	X	X					-	-	-	MAY-NOV	-
	White trout	COMMON	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
185	Blue crab	HIGH SPAWNING CONC						X	X	X					JUN-AUG	-	-	-	-
214	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	ABUNDANT	X	X	X	X				X	X	X	X	X	APR-MAY SEP-NOV	APR-MAY SEP-NOV	APR-MAY	SEP-MAY	SEP-MAY
	Brown shrimp	ABUNDANT		X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	MAR-DEC	-
	Grass shrimp	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Squid	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
	Stone crab	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	White shrimp	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	-	MAY-NOV	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
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
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
884	BRETON NATIONAL WILDLIFE REFUGE	USEWS	

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.