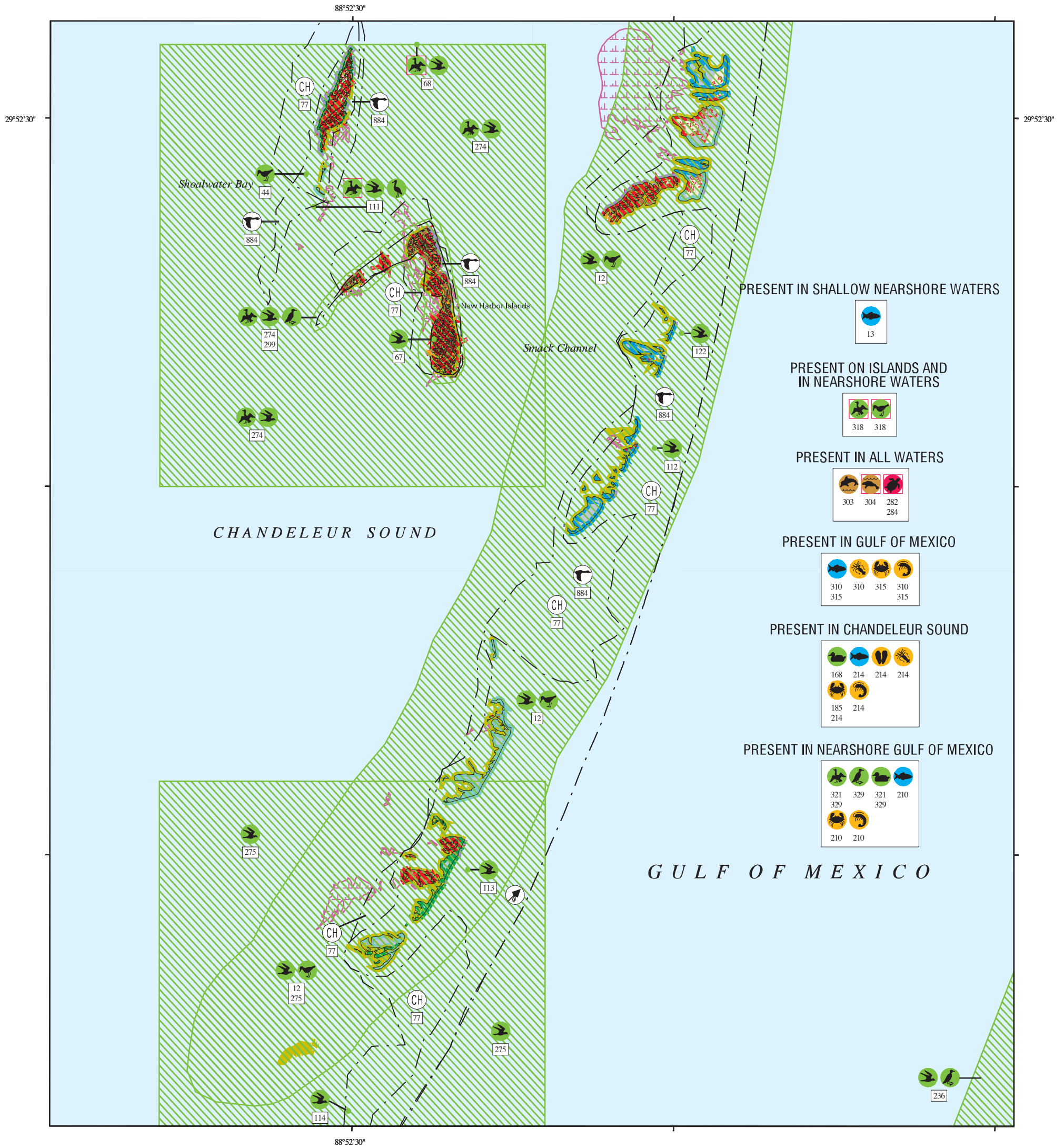


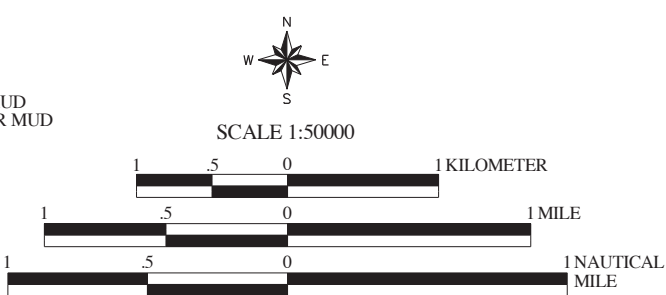
ENVIRONMENTAL SENSITIVITY INDEX MAP



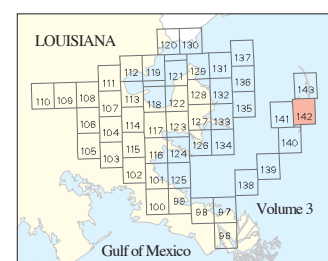
- PRESENT IN SHALLOW NEARSHORE WATERS
 13
- PRESENT ON ISLANDS AND IN NEARSHORE WATERS
 318 318
- PRESENT IN ALL WATERS
 303 304 282 284
- PRESENT IN GULF OF MEXICO
 310 310 315 310 315 315
- PRESENT IN CHANDELEUR SOUND
 168 214 214 214 185 214 214
- PRESENT IN NEARSHORE GULF OF MEXICO
 321 329 321 210 329 329 210 210

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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 Emergency Response Division



Louisiana: ESIMAP 142 (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH: (cont.)

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
310	Herrings and sardines		X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-SEP	JAN-DEC	JAN-DEC
	King mackerel			X	X	X	X	X	X	X	X	X	X	JUN-NOV	JUN-NOV	JUN-NOV	MAR-NOV	MAR-NOV	
	Lane snapper		X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	JAN-DEC	JAN-DEC	
	Red drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	AUG-OCT	AUG-NOV	SEP-NOV	JAN-DEC	JAN-DEC	
	Scalloped hammerhead		X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-OCT	JAN-DEC	JAN-DEC	
	Sheepshead		X	X	X	X	X	X	X	X	X	X	X	JAN-APR	JAN-APR	JAN-MAY	-	DEC-MAR	
	Shortfin mako		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Southern flounder		X	X	X	X	X	X	X	X	X	X	X	SEP-FEB	SEP-FEB	SEP-APR	-	JAN-DEC	
	Spanish mackerel			X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-OCT	APR-OCT	MAR-OCT	MAR-OCT	
	Spinner shark		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-	
	Tarpon			X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	MAY-NOV	MAY-NOV	
	White trout		X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-OCT	JAN-DEC	JAN-DEC	
315	Gafftopsail catfish	ABUNDANT		X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Gulf menhaden	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	OCT-APR	OCT-APR	OCT-APR	-	OCT-APR	
	Kingfishes		X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	-	-	
	Red snapper		X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC	
	Spotted seatrout	ABUNDANT		X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	-	-	APR-NOV	
	Striped mullet		X	X	X	X	X	X	X	X	X	X	X	-	-	-	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	-	-	-	-
210	Blue crab	ABUNDANT		X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-NOV	MAR-OCT	MAR-OCT
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	-	-	-	JAN-DEC	
214	Atlantic rangia	PRESENT	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	APR-MAY	APR-MAY	APR-MAY	SEP-MAY	SEP-MAY	
	Brown shrimp	ABUNDANT		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	-	-	-	-	-	
	Squid	ABUNDANT	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	-	-	-	JAN-DEC	JAN-DEC	
	White shrimp	COMMON	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	-	MAY-NOV	MAR-JAN	-	
310	Brown shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-APR	-	JAN-DEC	
	Squid	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC	
315	Atlantic seabob shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Blue crab	ABUNDANT		X	X	X	X	X	X	X	X	X	X	APR-NOV	-	MAR-NOV	MAR-OCT	MAR-OCT	
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	-	-	-	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
282	Kemp's ridley sea turtle	E E ABUNDANT						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	X	-	-	-	MAR-NOV	MAR-NOV
	Hawksbill sea turtle	E E VERY RARE	X	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	X	-	-	-	JAN-DEC	JAN-DEC
	Loggerhead sea turtle	T T COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-NOV	MAR-NOV

HUMAN USE RESOURCES:

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
77	PIPING PLOVER CRITICAL HABITAT	USFWS	

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
884	BRETON 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.