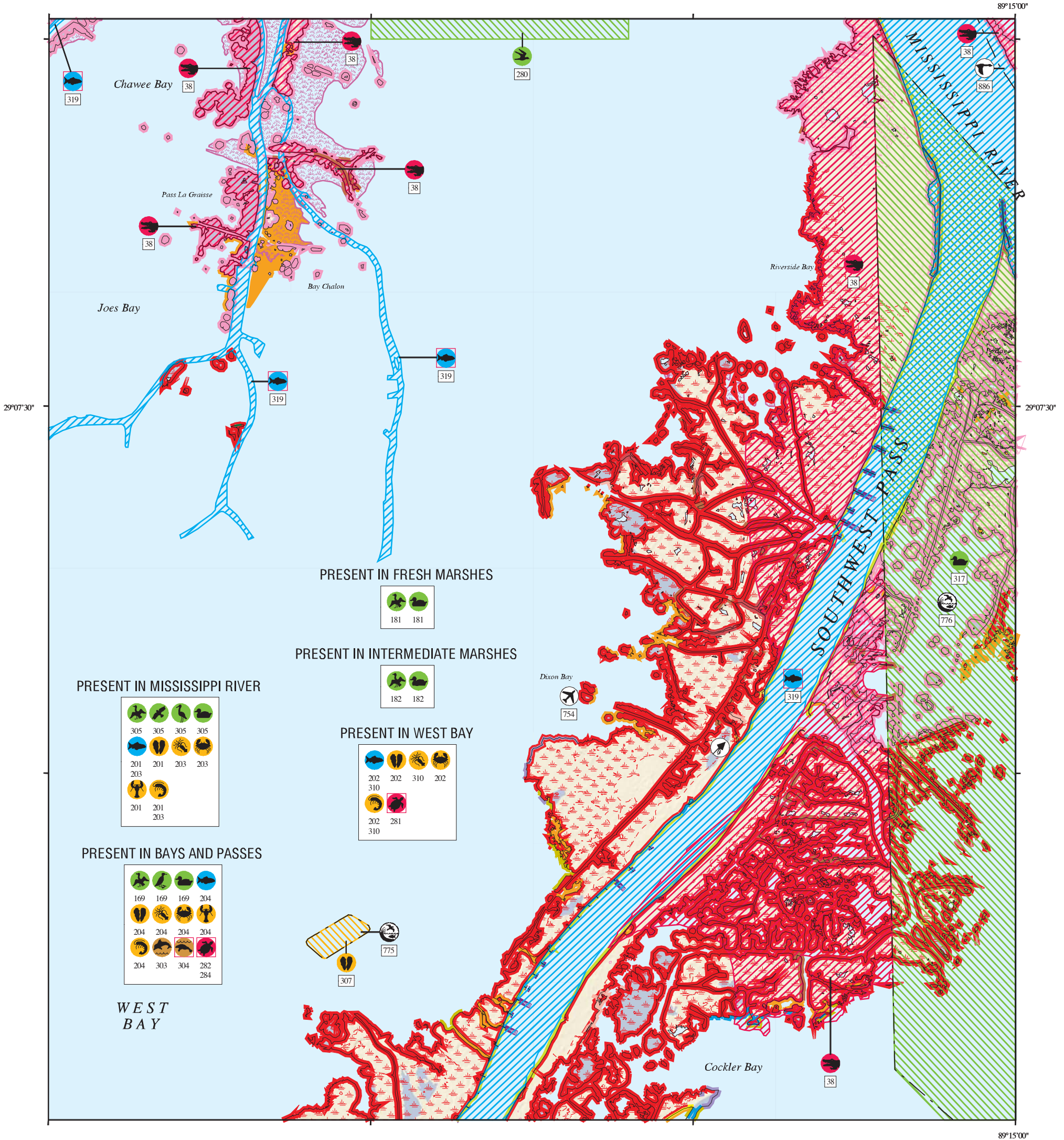


ENVIRONMENTAL SENSITIVITY INDEX MAP

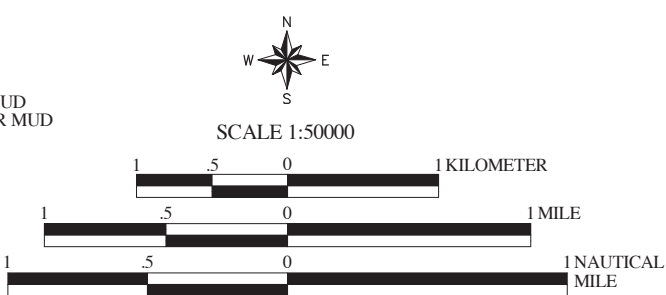


- PRESENT IN FRESH MARSHES**
- 181 181
- PRESENT IN INTERMEDIATE MARSHES**
- 182 182
- PRESENT IN MISSISSIPPI RIVER**
- 305 305 305 305
 - 201 201 203 203
 - 203
 - 201 201
 - 203
- PRESENT IN WEST BAY**
- 202 202 310 202
 - 310
 - 202 281
 - 310
- PRESENT IN BAYS AND PASSES**
- 169 169 169 204
 - 204 204 204 204
 - 204 303 304 282
 - 284

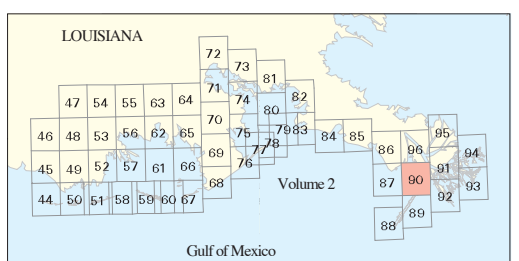
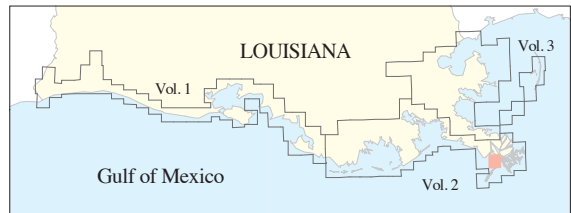
WEST BAY

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 90 (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
204	Red drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	APR-NOV
	Seahorses	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Shad	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	MAR-MAY	MAR-JUN	MAR-JUL	JAN-DEC	
	Sheepshead	HIGHLY ABUNDANT	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	-	-	-	JAN-DEC	JAN-DEC	
	Spotted gar	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC	
	Spotted seatrout	ABUNDANT	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	-	-	-	JAN-DEC	JAN-DEC	
	Tarpon	PRESENT					X	X	X	X	X	X		-	-	-	MAY-NOV	-	
	White bass	ABUNDANT	X	X	X									-	-	-	-	-	
	White trout	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	MAR-SEP	JAN-DEC	JAN-DEC	
310	Anchovies	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC	JAN-DEC	
	Atlantic sharpnose shark	HIGHLY ABUNDANT					X	X	X	X	X	X		-	-	MAY-OCT	MAR-OCT	MAR-OCT	
	Atlantic spadefish		X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	APR-SEP	SEP-MAY	JAN-DEC	
	Atlantic tripletail						X	X	X	X	X			-	-	-	APR-SEP	APR-SEP	
	Blacktip shark	COMMON					X	X	X	X	X	X		-	-	MAR-OCT	MAR-OCT	MAR-OCT	
	Bull shark						X	X	X	X	X	X		-	-	-	MAR-OCT	MAR-OCT	
	Cobia							X	X	X	X			JUN-AUG	JUN-AUG	JUN-AUG	JUN-SEP	JUN-SEP	
	Croakers	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	NOV-MAY	-	JAN-DEC	
	Finetooth shark						X	X	X	X	X	X		-	-	MAR-OCT	MAR-OCT	MAR-OCT	
	Florida pompano						X	X	X	X	X	X		-	-	MAY-AUG	APR-NOV	APR-NOV	
	Forage fish		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Gray snapper		X	X	X	X	X	X	X	X	X	X	X	JUN-NOV	JUN-NOV	JUN-NOV	JAN-DEC	JAN-DEC	
	Gray triggerfish		X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-SEP	APR-SEP	JAN-DEC	JAN-DEC	
	Great barracuda		X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-OCT	APR-OCT	JAN-DEC	JAN-DEC	
	Great hammerhead		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Herrings and sardines		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		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		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		-	-	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	
319	Pallid sturgeon	E E PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
201	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Red swamp crawfish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	
	River shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUL	JUL-SEP	JAN-DEC	
202	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC	
	Atlantic seabob shrimp	ABUNDANT					X	X	X	X	X	X		-	-	-	-	-	
	Blue crab	HIGHLY ABUNDANT	X	X	X	X				X	X	X	X	APR-MAY	APR-MAY	APR-MAY	SEP-MAY	SEP-MAY	
	Grass shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	River shrimp	HIGHLY ABUNDANT					X	X	X	X	X	X		APR-JUN	-	APR-JUN	-	FEB-JUN	
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	-	-	-	JAN-DEC	
203	Blue crab	PRESENT	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	-	-	MAR-NOV	APR-DEC	-	
	Grass shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Squid	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-NOV	JAN-DEC	-	
204	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC	
	Atlantic seabob shrimp	ABUNDANT					X	X	X	X	X	X		-	-	-	-	-	
	Blue crab	HIGHLY ABUNDANT	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	-	-	MAR-NOV	APR-DEC	-	
	Fiddler crab	PRESENT	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	-	-	-	-	-	
	Red swamp crawfish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	
	River shrimp	ABUNDANT					X	X	X	X	X	X		APR-JUN	-	APR-JUN	-	FEB-JUN	
	Squid	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-JUL	MAY-JUL	
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-NOV	JAN-DEC	-	
307	Eastern oyster	PRESENT	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC	
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	

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
38	American alligator	126-200 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	JUL-SEP	-	JAN-DEC	JAN-DEC
281	Kemp's ridley sea turtle	E E ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	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		-	-	-	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	-	-	-	JAN-DEC	JAN-DEC	
	Loggerhead sea turtle	T T COMMON					X	X	X	X	X	X		-	-	-	MAR-NOV	MAR-NOV	

HUMAN USE RESOURCES:

HELIPORT:

HUN#	Name	Contact	Phone
754	SHELL CENTRAL FACILITIES E BAY BLOCK 24		

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
775	OYSTER LEASE	LDWF - OYSTER LEASE SURVEY SECTION	
776	PASS A LOUTRE WMA	LDWF	

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
886	DELTA 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.