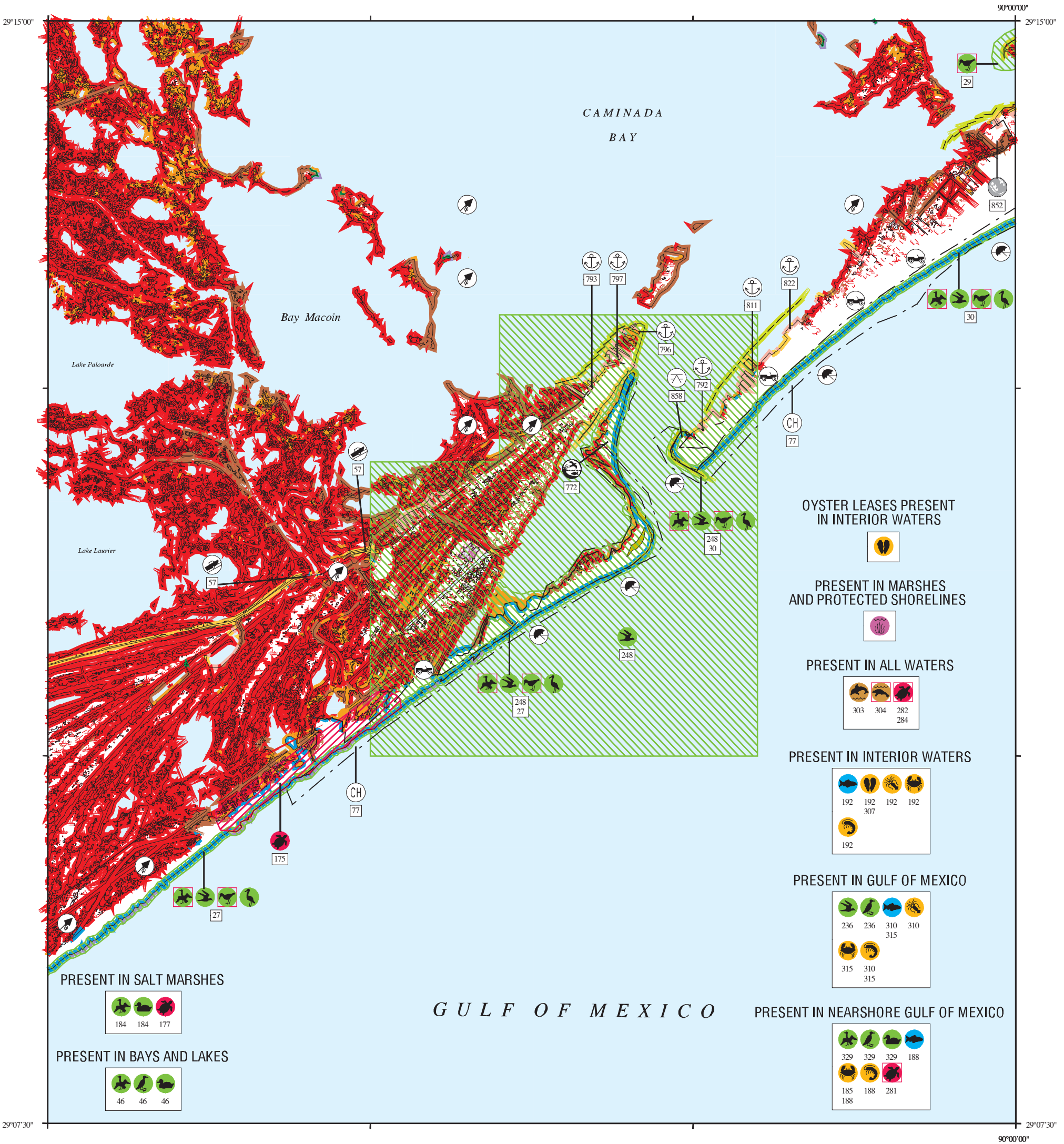


# ENVIRONMENTAL SENSITIVITY INDEX MAP



**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 KILOMETER

1 MILE

1 NAUTICAL MILE

LOUISIANA

Gulf of Mexico

Vol. 1, Vol. 2, Vol. 3

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Louisiana ESI - Volume 2 **ESI-76**

# Louisiana: ESIMAP 76

## BIOLOGICAL RESOURCES:

### BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
27	American avocet	UP TO 6 BIRDS /KM	X	X	X	X				X	X	X	X		-	-	-
	American oystercatcher	UP TO 2 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	American white pelican	UP TO 112 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Black skimmer	UP TO 1243 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Black tern	UP TO 62 BIRDS /KM							X	X	X			-	-	-	
	Black-bellied plover	UP TO 24 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Black-necked stilt	UP TO 2 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Brown pelican	E UP TO 2610 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Buff-breasted sandpiper	UP TO 1 BIRD /KM				X	X		X	X	X			-	-	-	
	Caspian tern	UP TO 28 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Double-crested cormorant	UP TO 144 BIRDS /KM	X	X	X				X	X	X	X		-	-	-	
	Dowitchers	UP TO 138 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Dunlin	UP TO 263 BIRDS /KM	X	X	X	X			X	X	X	X		-	-	-	
	Forster's tern	UP TO 84 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Glaucous gull	LESS THAN 1 BIRD /KM	X	X	X						X	X		-	-	-	
	Greater yellowlegs	UP TO 9 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Gull-billed tern	UP TO 1 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Herring gull	UP TO 95 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Killdeer	UP TO 10 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Laughing gull	UP TO 2797 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Least sandpiper	UP TO 41 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Least tern	374 PAIRS				X	X	X	X	X				APR-SEP	-	-	-
	Lesser black-backed gull	UP TO 1 BIRD /KM	X	X	X					X	X	X		-	-	-	
	Lesser yellowlegs	UP TO 10 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-
	Piping plover	T T UP TO 38 BIRDS /KM	X	X	X	X			X	X	X	X		-	-	-	
	Red knot	UP TO 54 BIRDS /KM			X	X	X		X	X	X			-	-	-	
	Reddish egret	UP TO 2 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
Royal tern	UP TO 373 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-	
Ruddy turnstone	UP TO 13 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-		
Sandwich tern	UP TO 497 BIRDS /KM			X	X	X	X	X					-	-	-		
Semipalmated plover	UP TO 31 BIRDS /KM	X	X	X	X			X	X	X	X		-	-	-		
Semipalmated sandpiper	UP TO 3 BIRDS /KM			X	X	X	X	X					-	-	-		
Short-billed dowitcher	UP TO 8 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-		
Snowy plover	UP TO 2 BIRDS /KM	X	X	X				X	X	X	X		-	-	-		
Spotted sandpiper	UP TO 1 BIRD /KM	X	X	X	X			X	X	X	X		-	-	-		
Western sandpiper	UP TO 84 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-		
Whimbrel	UP TO 1 BIRD /KM			X	X	X							-	-	-		
White-rumped sandpiper	LESS THAN 1 BIRD /KM				X	X							-	-	-		
Willet	UP TO 24 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X		-	-	-	
Wilson's plover	36 PAIRS			X	X	X	X	X	X				MAR-JUL	-	-	-	
29	Piping plover	T T 5 INDIV	X	X	X	X		X	X	X	X		-	-	-		
30	American avocet	UP TO 6 BIRDS /KM	X	X	X	X		X	X	X	X		-	-	-		
	American oystercatcher	UP TO 2 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	American white pelican	UP TO 112 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Black skimmer	UP TO 1243 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Black tern	UP TO 62 BIRDS /KM						X	X	X			-	-	-		
	Black-bellied plover	UP TO 24 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Black-necked stilt	UP TO 2 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Brown pelican	E UP TO 2610 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Buff-breasted sandpiper	UP TO 1 BIRD /KM				X	X		X	X	X		-	-	-		
	Caspian tern	UP TO 28 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Double-crested cormorant	UP TO 144 BIRDS /KM	X	X	X				X	X	X		-	-	-		
	Dowitchers	UP TO 138 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Dunlin	UP TO 263 BIRDS /KM	X	X	X	X			X	X	X	X		-	-	-	
	Forster's tern	UP TO 84 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Glaucous gull	LESS THAN 1 BIRD /KM	X	X	X						X	X		-	-	-	
	Greater yellowlegs	UP TO 9 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Gull-billed tern	UP TO 1 BIRD /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Herring gull	UP TO 95 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Killdeer	UP TO 10 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Laughing gull	UP TO 2797 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Least sandpiper	UP TO 41 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Least tern	250 PAIRS			X	X	X	X	X				APR-SEP	-	-	-	
	Lesser black-backed gull	UP TO 1 BIRD /KM	X	X	X				X	X	X		-	-	-		
	Lesser yellowlegs	UP TO 10 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
	Piping plover	T T UP TO 38 BIRDS /KM	X	X	X	X			X	X	X	X		-	-	-	
	Red knot	UP TO 54 BIRDS /KM			X	X	X		X	X	X		-	-	-		
	Reddish egret	UP TO 2 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-	
Royal tern	UP TO 373 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-		
Ruddy turnstone	UP TO 13 BIRDS /KM	X	X	X	X	X	X	X	X	X		-	-	-			
Sandwich tern	UP TO 497 BIRDS /KM			X	X	X	X	X				-	-	-			
Semipalmated plover	UP TO 31 BIRDS /KM	X	X	X	X			X	X	X	X		-	-	-		
Semipalmated sandpiper	UP TO 3 BIRDS /KM			X	X	X	X	X				-	-	-			
Short-billed dowitcher	UP TO 8 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-		
Snowy plover	UP TO 2 BIRDS /KM	X	X	X				X	X	X	X		-	-	-		
Spotted sandpiper	UP TO 1 BIRD /KM	X	X	X	X			X	X	X	X		-	-	-		
Western sandpiper	UP TO 84 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-		
Whimbrel	UP TO 1 BIRD /KM			X	X	X							-	-	-		
White-rumped sandpiper	LESS THAN 1 BIRD /KM				X	X							-	-	-		
Willet	UP TO 24 BIRDS /KM	X	X	X	X	X	X	X	X	X	X		-	-	-		
Wilson's plover	UP TO 10 BIRDS /KM			X	X	X	X	X	X				-	-	-		
46	Common loon	HIGH	X	X	X	X				X	X		-	-	-		
	Northern gannet		X	X	X					X	X		-	-	-		
	Scaup	100,000S	X	X	X	X		X	X	X		-	-	-			
	American coot	UP TO 2 IND/SQ MI	X	X	X			X	X	X		-	-	-			
	American white pelican	HIGH	X	X	X	X	X	X	X	X		-	-	-			
	American wigeon	UP TO 19 IND/SQ MI	X	X	X			X	X		-	-	-				
184	Blue-winged teal	UP TO 12 IND/SQ MI	X	X	X			X	X	X		-	-	-			
	Canvasback	UP TO 2 IND/SQ MI	X	X	X			X	X		-	-	-				
	Gadwall	UP TO 181 IND/SQ MI	X	X	X			X	X		-	-	-				
	Green-winged teal	UP TO 232 IND/SQ MI	X	X	X			X	X		-	-	-				
	Hooded merganser	UP TO 8 IND/SQ MI	X	X	X			X	X		-	-	-				
	Mallard	UP TO 4 IND/SQ MI	X	X	X			X	X		-	-	-				
	Mottled duck	UP TO 17 IND/SQ MI	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-			
	Northern pintail	UP TO 6 IND/SQ MI	X	X	X			X	X		-	-	-				
	Northern shoveler	UP TO 9 IND/SQ MI	X	X	X	X		X	X	X	-	-	-				
	Ring-necked duck	UP TO 9 IND/SQ MI	X	X	X			X	X		-	-	-				
	Scaup	UP TO 468 IND/SQ MI	X	X	X	X	X	X	X	X	-	-	-				
	236	Black tern							X	X	X		-	-	-		
Cory's shearwater								X	X	X	X	-	-	-			
Great shearwater								X	X	X		-	-	-			
Gulls			X	X	X	X	X	X	X	X	X	-	-	-			
Magnificent frigatebird			X	X	X	X	X					-	-	-			
Northern gannet			X	X	X			X	X		-	-	-				
Parasitic jaeger					X	X	X					-	-	-			
Pomarine skua			X	X	X	X		X	X	X	X	-	-	-			
Royal tern			X	X	X	X	X	X	X	X	X	-	-	-			
Sandwich tern				X	X	X	X				-	-	-				
248	Terns	6 PAIRS	X	X	X	X	X	X	X	X	X		MAR-AUG	-	-	-	

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 76 (cont.)

## BIOLOGICAL RESOURCES: (cont.)

## BIRD: (cont.)

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
329	Common loon		X	X	X	X							X	X	-	-	-
	Northern gannet		X	X	X							X	X	X	-	-	-
	Scaup	100,000S	X	X	X	X						X	X	X	-	-	-
	Sea ducks		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
188	Black drum	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	JAN-JUL	JAN-DEC	JAN-DEC
	Gafftopsail catfish	ABUNDANT					X	X	X	X	X			-	-	-	-	-	-
	Gulf menhaden	HIGHLY ABUNDANT				X	X	X	X	X	X			-	-	-	-	-	APR-NOV
	Kingfishes	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Red snapper		X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
	Shad	COMMON				X	X	X	X	X	X	X	X	-	-	-	-	-	
	Spotted seatrout	ABUNDANT				X	X	X	X	X	X	X	X	MAY-SEP	-	MAY-SEP	MAY-DEC	MAY-DEC	
	Striped mullet	ABUNDANT				X	X	X	X	X	X	X	X	-	-	-	APR-DEC	APR-DEC	
192	Anchovies	ABUNDANT	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	X				-	-	MAY-OCT	MAR-OCT	MAR-OCT	
	Atlantic spadefish	ABUNDANT						X	X	X				-	-	-	-	-	
	Atlantic tripletail	PRESENT				X	X	X	X	X				-	-	-	APR-OCT	APR-OCT	
	Black drum	ABUNDANT	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	X	-	-	MAY-OCT	MAR-OCT	MAR-OCT	
	Bull shark	ABUNDANT				X	X	X	X	X	X	X	X	-	-	MAY-SEP	MAR-NOV	-	
	Cobia	PRESENT						X	X	X				-	-	-	-	-	
	Croakers	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Finetooth shark					X	X	X	X	X	X	X	X	-	-	MAY-OCT	MAR-OCT	MAR-OCT	
	Florida pompano	ABUNDANT				X	X	X	X	X	X	X	X	-	-	-	-	-	
	Forage fish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Gafftopsail catfish	ABUNDANT						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	-	-	-	JAN-DEC	JAN-DEC	
	Herrings and sardines	ABUNDANT						X	X	X	X			-	-	-	-	-	
	Killifish	ABUNDANT	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	-	-	-	-	-	
	Lane snapper	RARE						X	X	X	X			-	-	-	-	-	
	Pipefish	PRESENT	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	-	-	-	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	-	-	-	-	-	
	Shad	ABUNDANT						X	X	X				-	-	-	-	-	
	Sheepshead	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Southern flounder	RARE	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-MAR	JAN-DEC	JAN-DEC	
	Spanish mackerel	COMMON				X	X	X	X	X	X			-	-	-	APR-OCT	-	
	Spotted seatrout	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	APR-SEP	JAN-DEC	JAN-DEC	
	Striped mullet	HIGHLY ABUNDANT	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	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	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					-	-	-	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				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			-	-	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				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				-	-	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			-	-	-	-	-	
	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	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					JUN-AUG	-	-	-	-
188	Atlantic seabob shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Blue crab	ABUNDANT	X	X	X	X				X	X	X		-	-	SEP-MAY	SEP-MAY	SEP-MAY	
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	-	-	-	JAN-DEC
192	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	ABUNDANT	X	X					X	X				-	-	-	-	-	
	Blue crab	HIGHLY 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	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	JAN-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	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	COMMON	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	-	-	MAR-NOV	JAN-DEC	-
307	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
310	Brown shrimp	ABUNDANT	X	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	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	X	-	-	-	-	-
	Blue crab	ABUNDANT				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	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
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**Louisiana: ESIMAP 76 (cont.)**

**BIOLOGICAL RESOURCES: (cont.)**

**REPTILE:**

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
175	Diamondback terrapin	5 NESTS						X	X	X	X	X	X	X	MAY-AUG	-	-	-	-
177	Diamondback terrapin							X	X	X	X	X	X	X		-	-	-	-
281	Kemp's ridley sea turtle	E E ABUNDANT	X	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:**

**BOAT RAMP:**

HUN#	Name	Contact	Phone
57	PUBLIC BOAT RAMP		

**CRITICAL HABITAT:**

HUN#	Name	Contact	Phone
77	PIPING PLOVER CRITICAL HABITAT	USFWS	

**MANAGEMENT AREA:**

HUN#	Name	Contact	Phone
772	ELMER'S ISLAND WILDLIFE REFUGE	LDWF	

**MARINA:**

HUN#	Name	Contact	Phone
792	BRIDGE SIDE MARINA	RENE VEGAS	985/787-2419
793	CAMARDELLE'S SEAFOOD & BAIT	CHRIS CAMARDELLE	985/787-3222
796	CHENIER BAIT SHOP MARINA	MARIE & ROBERT COLLINS	985/787-2881
797	CIGAR'S MARINA	GREG & DONNA CRAMER	985/787-3220
811	GULF STREAM MARINA	JOYCE & JOE ARNONA	985/787-3566
822	MY FAVORITE MARINA	CECILEA JOLET	985/787-3179

**NATURE CONSERVANCY:**

HUN#	Name	Contact	Phone
852	GRAND ISLE PORT COMMISSION TRACT	THE NATURE CONSERVANCY	

**PARK:**

HUN#	Name	Contact	Phone
858	GRAND ISLE STATE PARK	LA DEPT CULTURE RECREATION AND TOURISM	

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.