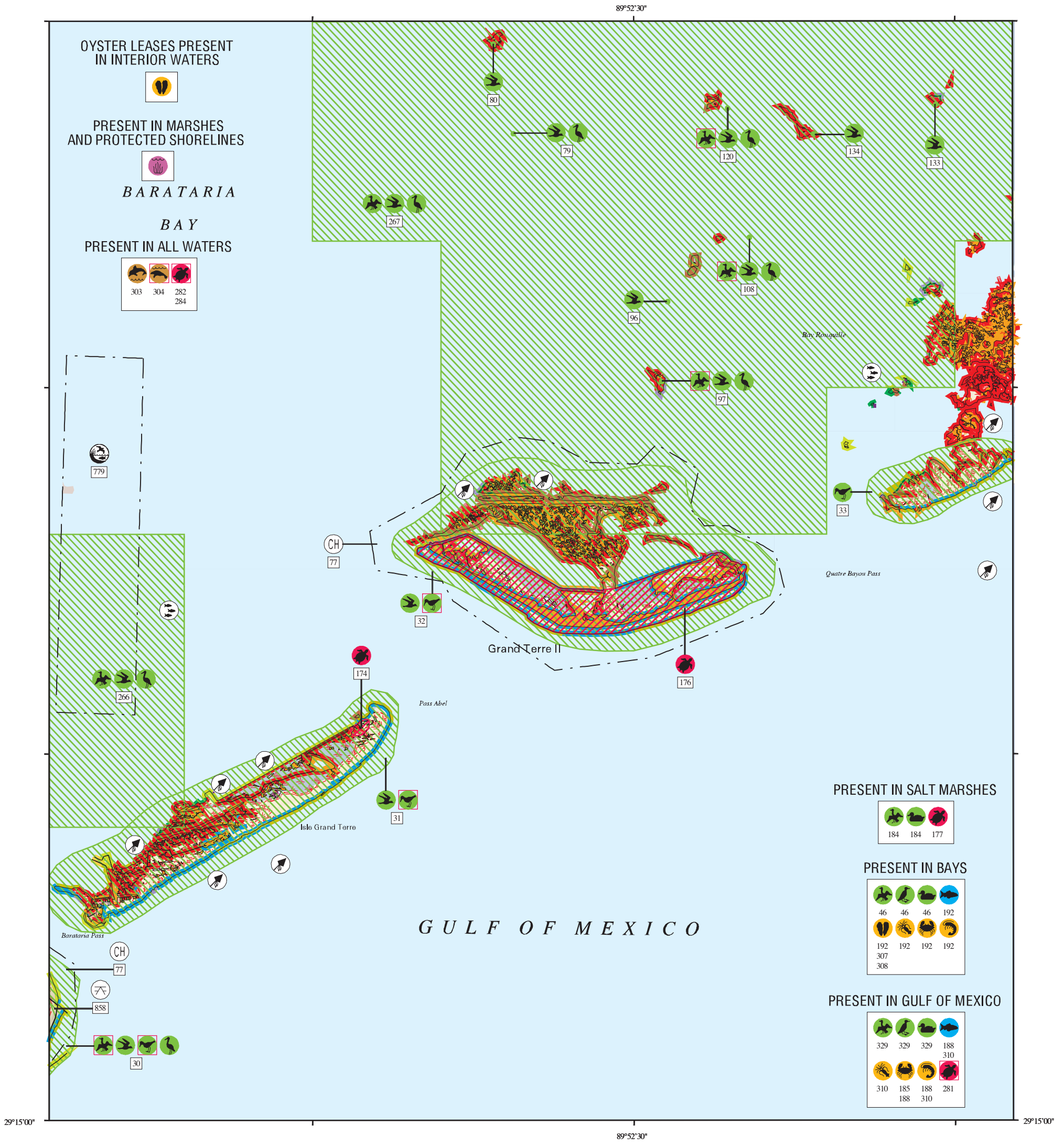


# ENVIRONMENTAL SENSITIVITY INDEX MAP

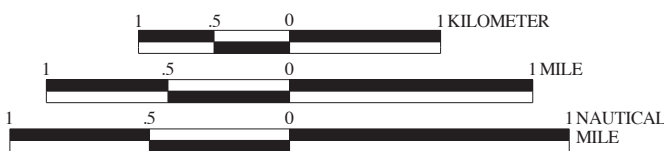


## SHORELINE HABITATS (ESI)

- 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

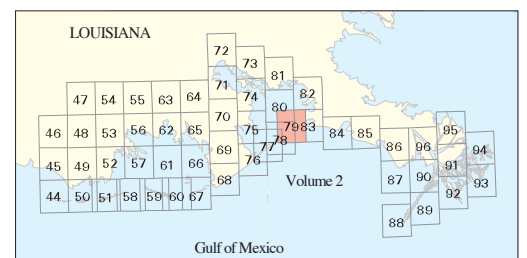


SCALE 1:50000



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: ESIMAP 79

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting
30	American avocet	UP TO 6 BIRDS /KM	X X 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 X	-	-	-
	American white pelican	UP TO 112 BIRDS /KM	X 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 X	-	-	-
	Black tern	UP TO 62 BIRDS /KM	X X X X X X X X X X	-	-	-
	Black-bellied plover	UP TO 24 BIRDS /KM	X 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 X	-	-	-
	Brown pelican	E UP TO 2610 BIRDS /KM	X X X X X X X X X X X X	-	-	-
	Buff-breasted sandpiper	UP TO 1 BIRD /KM	X X X X X X X X X X	-	-	-
	Caspian tern	UP TO 28 BIRDS /KM	X 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 X X X X X	-	-	-
	Dowitchers	UP TO 138 BIRDS /KM	X 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 X X X X	-	-	-
	Forster's tern	UP TO 84 BIRDS /KM	X X X X X X X X X X X X	-	-	-
	Glaucous gull	LESS THAN 1 BIRD /KM	X X X X X X X X X X X X	-	-	-
	Greater yellowlegs	UP TO 9 BIRDS /KM	X X 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 X X	-	-	-
	Herring gull	UP TO 95 BIRDS /KM	X 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 X	-	-	-
	Laughing gull	UP TO 2797 BIRDS /KM	X 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 X	-	-	-
	Least tern	250 PAIRS	X X X X X X X X X X X X	APR-SEP	-	-
	Lesser black-backed gull	UP TO 1 BIRD /KM	X X X X X X X X X X X X	-	-	-
	Lesser yellowlegs	UP TO 10 BIRDS /KM	X 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 X X X X	-	-	-
	Red knot	UP TO 54 BIRDS /KM	X X X X X X X X X X X X	-	-	-
	Reddish egret	UP TO 2 BIRDS /KM	X X 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 X	-	-	-
	Ruddy turnstone	UP TO 13 BIRDS /KM	X X X X X X X X X X X X	-	-	-
	Sandwich tern	UP TO 497 BIRDS /KM	X X X X X X X X X X X X	-	-	-
	Semipalmated plover	UP TO 31 BIRDS /KM	X X X X X X X X X X X X	-	-	-
	Semipalmated sandpiper	UP TO 3 BIRDS /KM	X X X X X X X X X X X X	-	-	-
	Short-billed dowitcher	UP TO 8 BIRDS /KM	X X X X X X X X X X X X	-	-	-
	Snowy plover	UP TO 2 BIRDS /KM	X X X X X X X X X X X X	-	-	-
	Spotted sandpiper	UP TO 1 BIRD /KM	X X X X 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 X X	-	-	-
	Whimbrel	UP TO 1 BIRD /KM	X X X X X X X X X X X X	-	-	-
	White-rumped sandpiper	LESS THAN 1 BIRD /KM	X X X X X X X X X X X X	-	-	-
	Willet	UP TO 24 BIRDS /KM	X X X X X X X X X X X X	-	-	-
	Wilson's plover	UP TO 10 BIRDS /KM	X X X X X X X X X X X X	-	-	-
31	Least tern	10 PAIRS	X X X X X X X X X X X X	APR-SEP	-	-
	Piping plover	T T 12 INDIV	X X X X X X X X X X X X	-	-	-
	Red knot		X X X X X X X X X X X X	-	-	-
	Snowy plover	5 INDIV	X X X X X X X X X X X X	-	-	-
	Wilson's plover	9 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
32	Least tern	230 PAIRS	X X X X X X X X X X X X	APR-SEP	-	-
	Piping plover	T T	X X X X X X X X X X X X	-	-	-
	Red knot		X X X X X X X X X X X X	-	-	-
	Wilson's plover	14 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
33	Wilson's plover	4 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
46	Common loon	HIGH	X X X X X X X X X X X X	-	-	-
	Northern gannet		X X X X X X X X X X X X	-	-	-
	Scaup	100,000S	X X X X X X X X X X X X	-	-	-
79	Caspian tern	70 PAIRS	X X X X X X X X X X X X	APR-SEP	-	-
	Forster's tern	30 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
	Laughing gull	235 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
	Little blue heron	10 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
	Royal tern	225 PAIRS	X X X X X X X X X X X X	APR-SEP	-	-
	Sandwich tern	40 PAIRS	X X X X X X X X X X X X	APR-SEP	-	-
	Snowy egret	150 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
	Tricolored heron	20 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
	White ibis	25 PAIRS	X X X X X X X X X X X X	APR-AUG	-	-
80	Caspian tern	20 PAIRS	X X X X X X X X X X X X	APR-SEP	-	-
	Forster's tern	1500 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
	Laughing gull	1500 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
96	Black skimmer	45 PAIRS	X X X X X X X X X X X X	MAY-SEP	-	-
	Laughing gull	550 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
97	Brown pelican	E 175 PAIRS	X X X X X X X X X X X X	NOV-SEP	-	-
	Forster's tern	235 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
	Laughing gull	2500 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
	Snowy egret	5 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
108	Brown pelican	E 500 PAIRS	X X X X X X X X X X X X	NOV-SEP	-	-
	Great egret	900 PAIRS	X X X X X X X X X X X X	FEB-JUL	-	-
	Laughing gull	600 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
	Roseate spoonbill	60 PAIRS	X X X X X X X X X X X X	APR-AUG	-	-
	Tricolored heron	75 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
	White ibis	150 PAIRS	X X X X X X X X X X X X	APR-AUG	-	-
	White-faced or Glossy ibis	55 PAIRS	X X X X X X X X X X X X	APR-AUG	-	-
120	Brown pelican	E 175 PAIRS	X X X X X X X X X X X X	NOV-SEP	-	-
	Forster's tern	75 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
	Great egret	25 PAIRS	X X X X X X X X X X X X	FEB-JUL	-	-
	Laughing gull	40 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
	Tricolored heron	10 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
	White ibis	200 PAIRS	X X X X X X X X X X X X	APR-AUG	-	-
	White-faced or Glossy ibis	20 PAIRS	X X X X X X X X X X X X	APR-AUG	-	-
133	Forster's tern	25 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
134	Forster's tern	70 PAIRS	X X X X X X X X X X X X	MAR-JUL	-	-
	Laughing gull	130 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
184	American coot	UP TO 2 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	American white pelican	HIGH	X X X X X X X X X X X X	-	-	-
	American wigeon	UP TO 19 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	Blue-winged teal	UP TO 12 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	Canvasback	UP TO 2 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	Gadwall	UP TO 181 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	Green-winged teal	UP TO 232 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	Hooded merganser	UP TO 8 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	Mallard	UP TO 4 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	Mottled duck	UP TO 17 IND/SQ MI	X X X X X X X X X X X X	MAR-JUN	-	-
	Northern pintail	UP TO 6 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	Northern shoveler	UP TO 9 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	Ring-necked duck	UP TO 9 IND/SQ MI	X X X X X X X X X X X X	-	-	-
	Scaup	UP TO 468 IND/SQ MI	X X X X X X X X X X X X	-	-	-
266	Gulls	300 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
	Pelicans	1500 PAIRS	X X X X X X X X X X X X	NOV-JUL	-	-
	Terns	300 PAIRS	X X X X X X X X X X X X	MAR-AUG	-	-
	Wading birds	102 PAIRS	X X X X X X X X X X X X	FEB-AUG	-	-
267	Gulls	3300 PAIRS	X X X X X X X X X X X X	APR-JUL	-	-
	Pelicans	2080 PAIRS	X X X X X X X X X X X X	NOV-JUL	-	-
	Terns	2450 PAIRS	X X X X X X X X X X X X	MAR-AUG	-	-
	Wading birds	629 PAIRS	X X X X X X X X X X X X	FEB-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 79 (cont.)**

**BIOLOGICAL RESOURCES: (cont.)**

**REPTILE: (cont.)**

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
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	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	X					-	-	-	MAR-NOV	MAR-NOV

**HUMAN USE RESOURCES:**

**CRITICAL HABITAT:**

HUN#	Name	Contact	Phone
77	PIPING PLOVER CRITICAL HABITAT	USFWS	

**MANAGEMENT AREA:**

HUN#	Name	Contact	Phone
779	PUBLIC OYSTER AREA	LDWF	

**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.