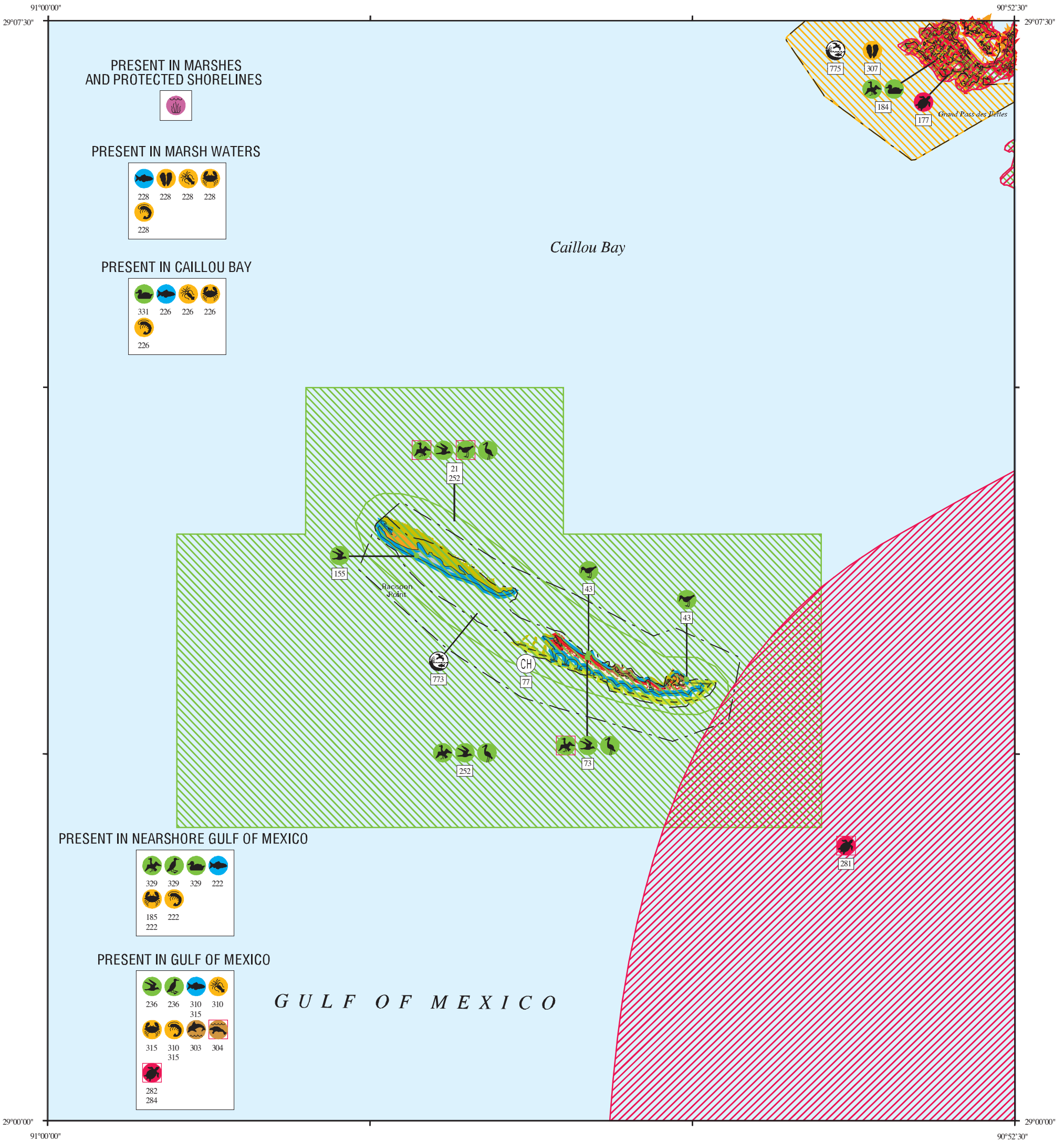


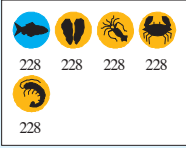
ENVIRONMENTAL SENSITIVITY INDEX MAP



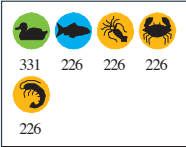
PRESENT IN MARSHES AND PROTECTED SHORELINES



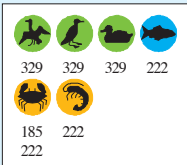
PRESENT IN MARSH WATERS



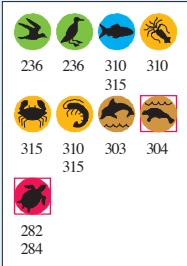
PRESENT IN CAILLOU BAY



PRESENT IN NEARSHORE GULF OF MEXICO



PRESENT IN GULF OF MEXICO

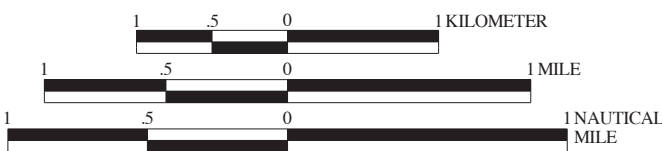


SHORELINE HABITATS (ESI)

- 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

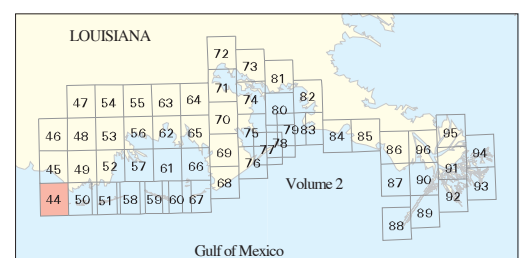


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Louisiana: ESIMAP 44

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
21	American oystercatcher		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	American white pelican		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Baird's sandpiper			X	X									-	-	-	
	Black skimmer		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black tern								X	X				-	-	-	
	Black-bellied plover		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Brown pelican	E	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Caspian tern		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Double-crested cormorant		X	X	X	X			X	X	X			-	-	-	
	Dunlin		X	X	X	X			X	X	X			-	-	-	
	Gull-billed tern		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Herring gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Laughing gull		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Least sandpiper		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Least tern					X	X	X	X	X				-	-	-	
	Piping plover	T T	X	X	X			X	X	X	X	X	X	X	-	-	-
	Red knot			X	X	X			X	X				-	-	-	
	Reddish egret		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Royal tern		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Ruddy turnstone		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Sandwich tern			X	X	X	X	X	X					-	-	-	
	Semipalmated plover		X	X	X	X		X	X	X	X			-	-	-	
	Semipalmated sandpiper			X	X	X	X	X	X					-	-	-	
	Short-billed dowitcher		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Snowy plover		X	X	X			X	X	X	X			-	-	-	
	Spotted sandpiper		X	X	X	X		X	X	X	X			-	-	-	
	Western sandpiper		X	X	X	X		X	X	X	X			-	-	-	
	Whimbrel			X	X									-	-	-	
	Willet		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Wilson's plover			X	X	X	X	X	X					-	-	-	
43	American oystercatcher	1 PAIR	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-
73	Black skimmer	350 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
	Brown pelican	E 5905 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	NOV-SEP	-	-
	Great egret	550 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUL	-	-
	Laughing gull	3050 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	-	-
	Roseate spoonbill	40 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	Royal tern	13250 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-
	Sandwich tern	4925 PAIRS		X	X	X	X	X	X					APR-SEP	-	-	
	Tricolored heron	25 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-
155	Black skimmer	1050 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
	Least tern	50 PAIRS		X	X	X	X	X						APR-SEP	-	-	
184	American coot	UP TO 2 IND/SQ MI	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				-	-	-	
	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	X	X				-	-	-	
	Green-winged teal	UP TO 232 IND/SQ MI	X	X	X	X		X	X	X				-	-	-	
	Hooded merganser	UP TO 8 IND/SQ MI	X	X	X	X		X	X	X				-	-	-	
	Mallard	UP TO 4 IND/SQ MI	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				-	-	-	
	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	X				-	-	-	
	Scaup	UP TO 468 IND/SQ MI	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	X	X	X	X				-	-	-	
	Gulls		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Magnificent frigatebird			X	X	X	X	X	X					-	-	-	
	Northern gannet		X	X	X			X	X	X				-	-	-	
	Parasitic jaeger			X	X	X	X							-	-	-	
	Pomarine skua		X	X	X	X		X	X	X	X	X	X	-	-	-	
	Royal tern		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Sandwich tern			X	X	X	X	X	X					-	-	-	
252	Gulls	2700 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
	Pelicans	870 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	NOV-JUL	-	-
	Terns	7990 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Wading birds	120 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
329	Common loon		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				-	-	-	
331	Scaup	100,000S	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
222	Black drum	COMMON	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	X				-	-	-	-	APR-NOV	
	Kingfishes	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Pipefish	PRESENT	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	HIGHLY ABUNDANT	X	X				X	X	X	X			-	-	-	-	-	
	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	-	-	-	MAR-DEC	MAR-DEC
226	Anchovies	HIGHLY ABUNDANT	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	ABUNDANT		X	X	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	X	JAN-JUL	-	JAN-JUL	JAN-DEC	JAN-DEC
	Blacktip shark	ABUNDANT		X	X	X	X	X	X					-	-	MAY-OCT	MAR-OCT	MAR-OCT	
	Bull shark	ABUNDANT		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	
	Florida pompano	ABUNDANT						X	X					-	-	-	-	-	
	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					-	-	-	-	-	
	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	-	-	AUG-APR	JAN-DEC	JAN-DEC
	Herrings and sardines	ABUNDANT		X	X	X	X	X						-	-	-	-	-	
	Killifish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	King mackerel	PRESENT		X	X	X	X							-	-	-	-	-	
	Kingfishes	HIGHLY 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	X	-	-	-	-	-
	Red drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-

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 44 (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
226	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	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder	HIGHLY ABUNDANT	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	X	X	X	X	X	X	X	X	-	-	-	MAR-OCT	-
	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
	White trout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	MAR-SEP	JAN-DEC	JAN-DEC
228	Anchovies	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Atlantic spadefish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Atlantic tripletail	PRESENT	X	X	X	X	X	X	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-DEC	JAN-DEC
	Bull shark	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-SEP	JAN-DEC	-
	Croakers	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Forage fish	COMMON	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	RARE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	OCT-NOV	-
	Gulf menhaden	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Herrings and sardines	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Killifish	ABUNDANT	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	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Red drum	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Shad	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Southern flounder	HIGHLY ABUNDANT	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	X	X	X	X	X	X	X	X	-	-	-	MAY-JUL	-
	Spotted gar	HIGHLY ABUNDANT	X	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	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	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	-
	White trout	ABUNDANT	X	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	X	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC	JAN-DEC
	Atlantic sharpnose shark	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-OCT	MAR-OCT	MAR-OCT
	Atlantic spadefish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	APR-SEP	SEP-MAY	JAN-DEC
	Atlantic tripletail	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	APR-SEP	APR-SEP
	Blacktip shark	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-OCT	MAR-OCT	MAR-OCT
	Bull shark	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-OCT	MAR-OCT	MAR-OCT
	Cobia	ABUNDANT	X	X	X	X	X	X	X	X	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	X	DEC-MAR	DEC-MAR	NOV-MAY	-	JAN-DEC
	Finetooth shark	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-OCT	MAR-OCT	MAR-OCT
	Florida pompano	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-AUG	APR-NOV	APR-NOV
	Forage fish	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Gray snapper	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JUN-NOV	JUN-NOV	JUN-NOV	JAN-DEC	JAN-DEC
	Gray triggerfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JUN-SEP	JUN-SEP	APR-SEP	JAN-DEC	JAN-DEC
	Great barracuda	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-OCT	APR-OCT	JAN-DEC	JAN-DEC
	Great hammerhead	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Herrings and sardines	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-SEP	JAN-DEC	JAN-DEC
	King mackerel	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JUN-NOV	JUN-NOV	JUN-NOV	MAR-NOV	MAR-NOV
	Lane snapper	ABUNDANT	X	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	X	AUG-OCT	AUG-NOV	SEP-NOV	JAN-DEC	JAN-DEC
	Scalloped hammerhead	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-OCT	JAN-DEC	JAN-DEC
	Sheepshead	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-APR	JAN-APR	JAN-MAY	-	DEC-MAR
	Shortfin mako	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Southern flounder	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	SEP-FEB	SEP-FEB	SEP-APR	-	JAN-DEC
	Spanish mackerel	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	APR-OCT	APR-OCT	MAR-OCT	MAR-OCT
	Spinner shark	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Tarpon	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JUN-AUG	MAY-NOV	MAY-NOV
	White trout	ABUNDANT	X	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	X	X	-	-	-	-	-
	Gulf menhaden	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	OCT-APR	OCT-APR	OCT-APR	-	OCT-APR
	Kingfishes	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	-	-
	Red snapper	ABUNDANT	X	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	X	X	APR-SEP	APR-SEP	-	-	APR-NOV
	Striped mullet	ABUNDANT	X	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	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	-	-
222	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	X	X	X	-	-	SEP-MAY	SEP-MAY	SEP-MAY
	Grass shrimp	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	-	-	-	JAN-DEC
226	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	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Brown shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	JAN-NOV	-
	Fiddler crab	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	-	-	-	-
	Grass shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Squid	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	FEB-DEC	FEB-DEC
	Stone crab	PRESENT	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	-	-	MAY-NOV	JAN-DEC	-
228	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	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-OCT	MAR-OCT
	White shrimp	HIGHLY ABUNDANT	X	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	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	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
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Louisiana: ESIMAP 44 (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
284	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	

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
773	ISLES DERNIERES BARRIER ISLANDS REFUGE	LDWF	
775	OYSTER LEASE	LDWF - OYSTER LEASE SURVEY SECTION	

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.
