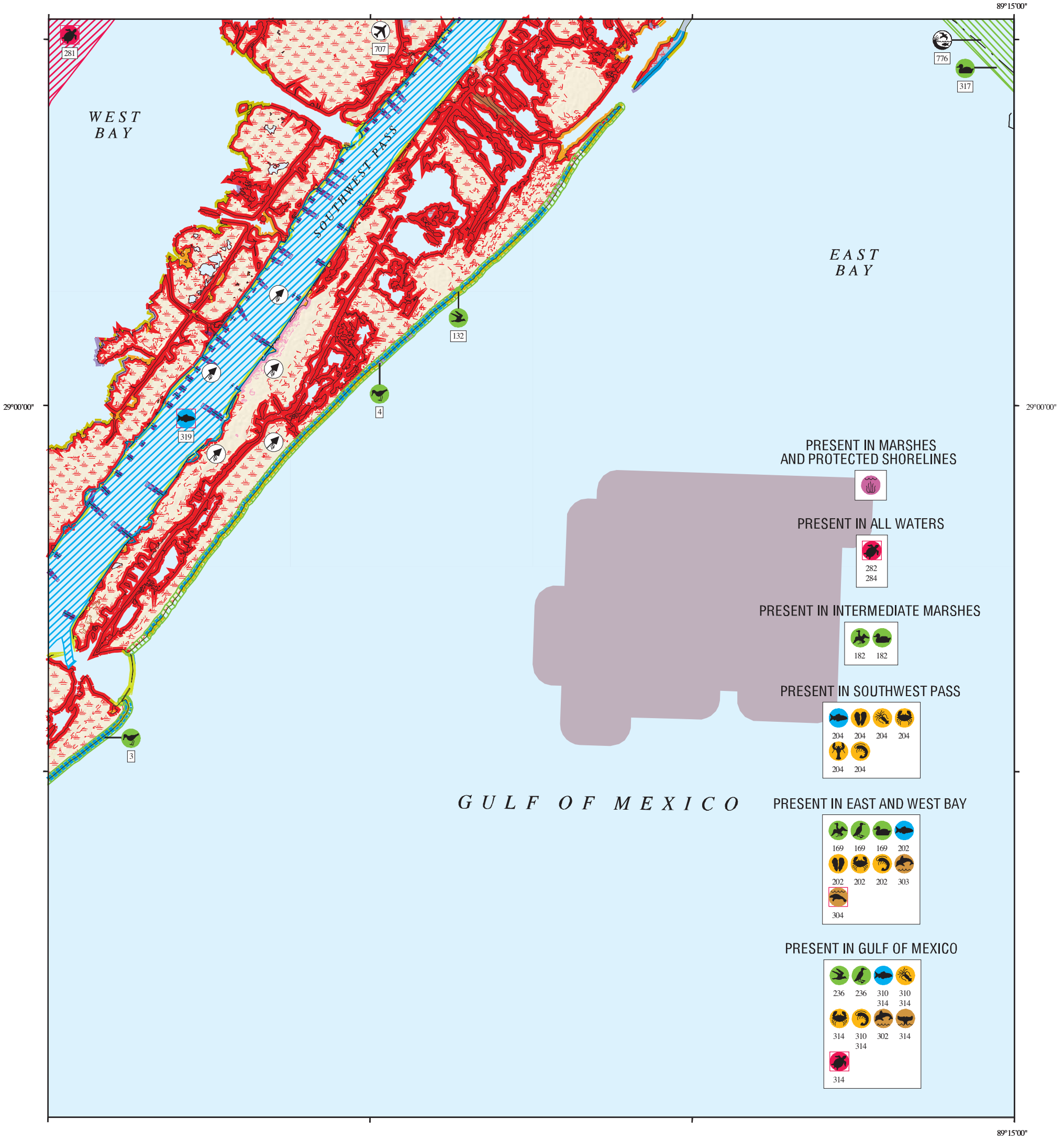


ENVIRONMENTAL SENSITIVITY INDEX MAP

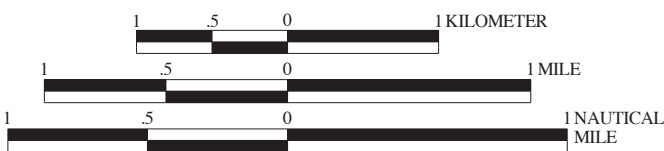


SHORELINE HABITATS (ESI)

- 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

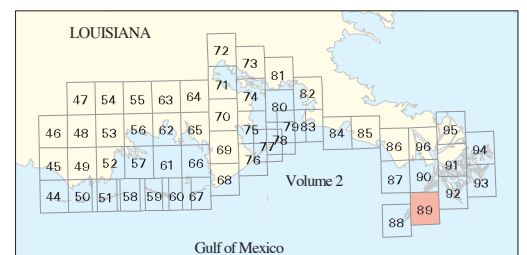


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Louisiana: ESIMAP 89 (cont.)

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	White trout		X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-OCT	JAN-DEC	JAN-DEC
314	Anchovies		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	-	-	-	-	JAN-DEC	
	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					MAY-SEP	MAY-SEP	-	-	APR-OCT	
	Ballyhoo		X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	MAR-JUL	MAY-JUL	JAN-DEC	JAN-DEC	
	Blacknose shark	LOW	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Blacktip shark		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Bluefin tuna	RARE			X	X	X							-	-	APR-JUN	-	-	
	Bull shark		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Cobia						X	X	X	X				JUN-AUG	JUN-AUG	JUN-AUG	JUN-SEP	JUN-SEP	
	Croakers		X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	NOV-MAY	-	JAN-DEC	
	Dolphinfish				X	X	X	X	X	X				-	-	-	MAY-NOV	MAY-NOV	
	Dusky shark		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Finetooth shark		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	
	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	-	-	-	-	-	
	Gag		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Gray snapper		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	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	
	Greater amberjack		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Gulf menhaden		X	X	X					X	X	X	X	OCT-APR	OCT-APR	OCT-APR	-	OCT-APR	
	Herrings and sardines				X	X	X	X	X					APR-SEP	APR-SEP	APR-SEP	APR-SEP	APR-SEP	
	King mackerel				X	X	X	X	X	X				JUN-NOV	JUN-NOV	JUN-NOV	MAR-NOV	MAR-NOV	
	Kingfishes		X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	-	-	
	Lane snapper		X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	JAN-DEC	JAN-DEC	
	Red snapper		X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC	
	Scalloped hammerhead		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	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	
	Spinner shark		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	
	Striped mullet		X	X						X	X	X	X	SEP-FEB	-	OCT-FEB	-	SEP-FEB	
	Tarpon		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Vermilion snapper		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Wahoo		X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	White trout		X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	MAR-OCT	MAR-OCT	JAN-DEC	JAN-DEC	
	Yellowfin tuna		X	X	X	X	X	X	X	X	X	X	X	-	-	-	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
202	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	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								APR-JUN	-	APR-JUN	-	FEB-JUN	
	White shrimp	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					-	-	-	-	-	
	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	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						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	-	
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	
314	Blue crab				X	X	X	X	X	X				-	-	MAR-NOV	MAR-NOV	MAR-NOV	
	Brown shrimp		X	X	X	X	X	X	X	X	X	X	X	SEP-MAY	-	-	-	JAN-DEC	
	Pink shrimp		X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Squid		X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC	
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAY-NOV	-	-	-	MAY-NOV	

MARINE MAMMAL:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
302	Atlantic spotted dolphin	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Bottlenose dolphin	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
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	-	-	-	-
314	Bryde's whale	RARE	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
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						-	-	-	-	APR-SEP	
284	Green sea turtle	T T OCCASIONAL			X	X	X	X	X	X				-	-	-	-	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	
	Loggerhead sea turtle	T T COMMON			X	X	X	X	X	X				-	-	-	-	MAR-NOV	
314	Leatherback sea turtle	E E RARE	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	JAN-DEC	

HUMAN USE RESOURCES:

HELIPORT:

HUN#	Name	Contact	Phone
707	CHEVRON SOUTHPASS TANK BATTERY W-2		

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
776	PASS A LOUTRE WMA	LDWF	

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.