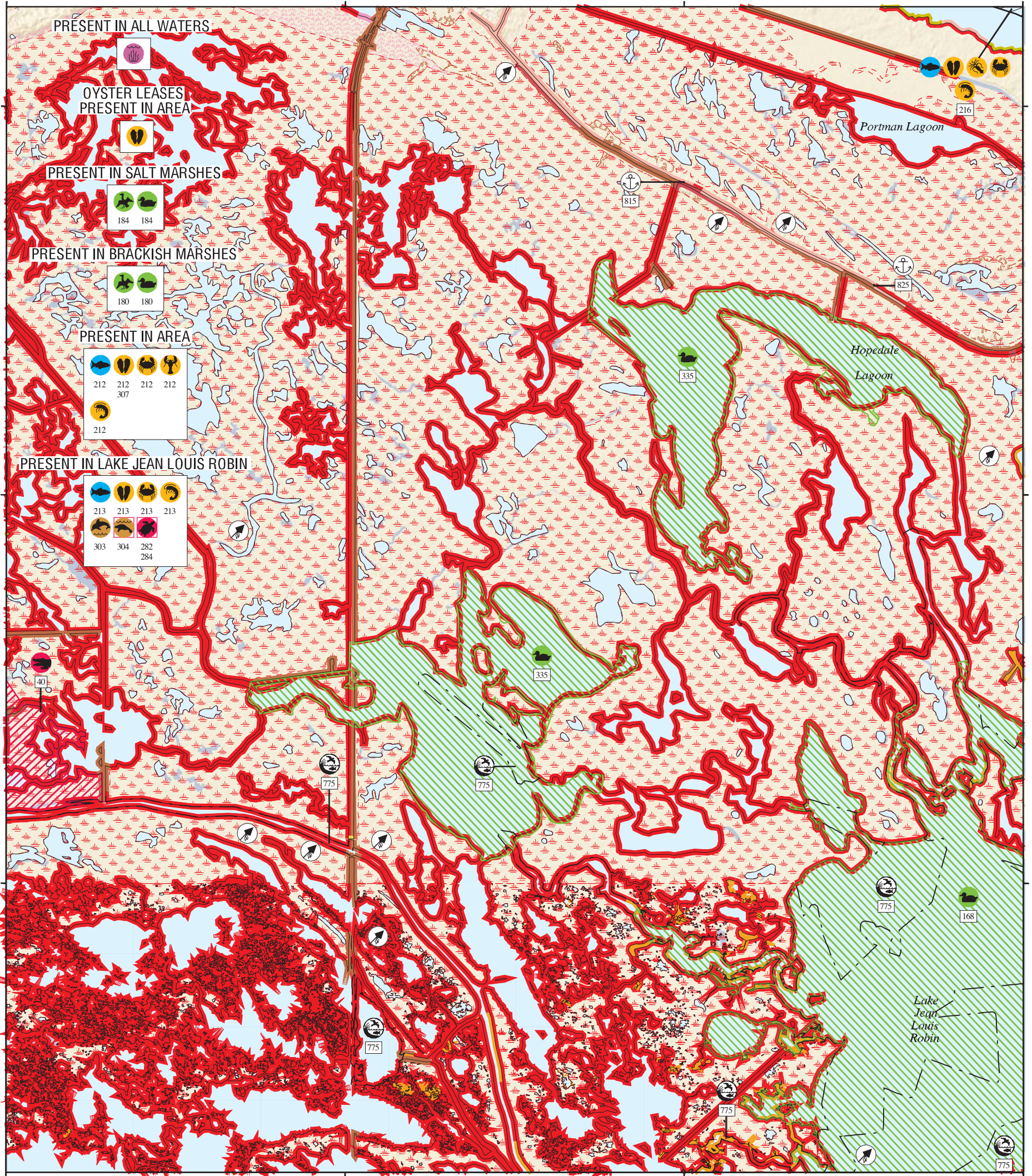


# ENVIRONMENTAL SENSITIVITY INDEX MAP

89°37'30"



29°45'00"

29°45'00"

89°37'30"

## 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

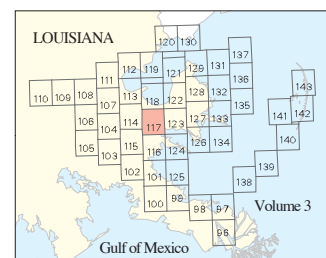


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**Louisiana: ESIMAP 117 (cont.)**

**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
216	Finetooth shark				X	X	X	X	X	X	X	X	X		-	-	MAY-OCT	MAR-OCT	MAR-OCT
	Forage fish	ABUNDANT			X	X	X	X	X	X	X	X	X		-	-	-	-	-
	Gafftopsail catfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	-
	Gray snapper	COMMON						X	X	X	X	X		-	-	-	JUL-NOV	-	
	Gulf menhaden	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	Herrings and sardines	PRESENT						X	X	X					-	-	-	-	-
	Killifish	RARE	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							-	-	-	-	-
	Red drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	AUG-OCT	JAN-DEC	-
	Shad	ABUNDANT			X	X	X	X	X	X	X	X		-	-	-	-	-	-
	Sheepshead	ABUNDANT	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		-	-	OCT-MAR	JAN-OCT	JAN-OCT	
	Spanish mackerel	COMMON			X	X	X	X	X	X	X	X		-	-	-	MAR-NOV	-	
	Spotted seatrout	ABUNDANT	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		-	-	-	JAN-DEC	JAN-DEC	
	White trout	ABUNDANT	X	X	X	X	X	X	X	X	X	X		MAR-SEP	-	MAR-SEP	JAN-DEC	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
212	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X		MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Blue crab	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		APR-NOV	APR-NOV	APR-NOV	JAN-DEC	JAN-DEC
	Brown shrimp	COMMON			X	X	X	X	X	X	X	X		-	-	-	FEB-SEP	MAR-OCT	-
	Fiddler crab	PRESENT	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		-	-	-	-	-	-
	Red swamp crawfish	PRESENT	X	X	X	X	X	X	X	X	X	X		MAR-MAY	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	
	River shrimp	PRESENT	X	X	X	X	X	X	X	X	X	X		-	-	APR-JUL	JUL-SEP	JAN-DEC	
	White shrimp	ABUNDANT			X	X	X	X	X	X	X	X		-	-	MAY-NOV	MAR-NOV	-	
213	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X		MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC	
	Blue crab	ABUNDANT	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	X	X	X		-	-	FEB-NOV	MAR-JAN	-	
	Fiddler crab	PRESENT	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		-	-	-	-	-	
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X		-	-	MAY-NOV	JAN-DEC	-	
216	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X		MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC	
	Blue crab	ABUNDANT	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		-	-	FEB-NOV	MAR-DEC	-	
	Fiddler crab	PRESENT	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		-	-	-	-	-	
	Squid	HIGHLY ABUNDANT	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		-	-	MAY-NOV	JAN-DEC	-	
307	Eastern oyster	PRESENT	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		-	-	-	-
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	Internesting	Juveniles	Adults
40	American alligator	<75 AC/NEST	X	X	X	X	X	X	X	X	X	X	X		MAY-JUL	JUL-SEP	-	JAN-DEC	JAN-DEC
282	Kemp's ridley sea turtle	E E ABUNDANT			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	X	X		-	-	-	-	MAR-OCT	-
	Leatherback sea turtle	E E RARE	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:**

**MANAGEMENT AREA:**

HUN#	Name	Contact	Phone
775	OYSTER LEASE	LDWF - OYSTER LEASE SURVEY SECTION	

**MARINA:**

HUN#	Name	Contact	Phone
815	HOPEDALE MARINA AND CONVENIENCE STORE	NOLAN COUTURE	504/676-1244
825	PIP'S LAUNCH	DIANE PHILLIPS	504/676-3747

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.