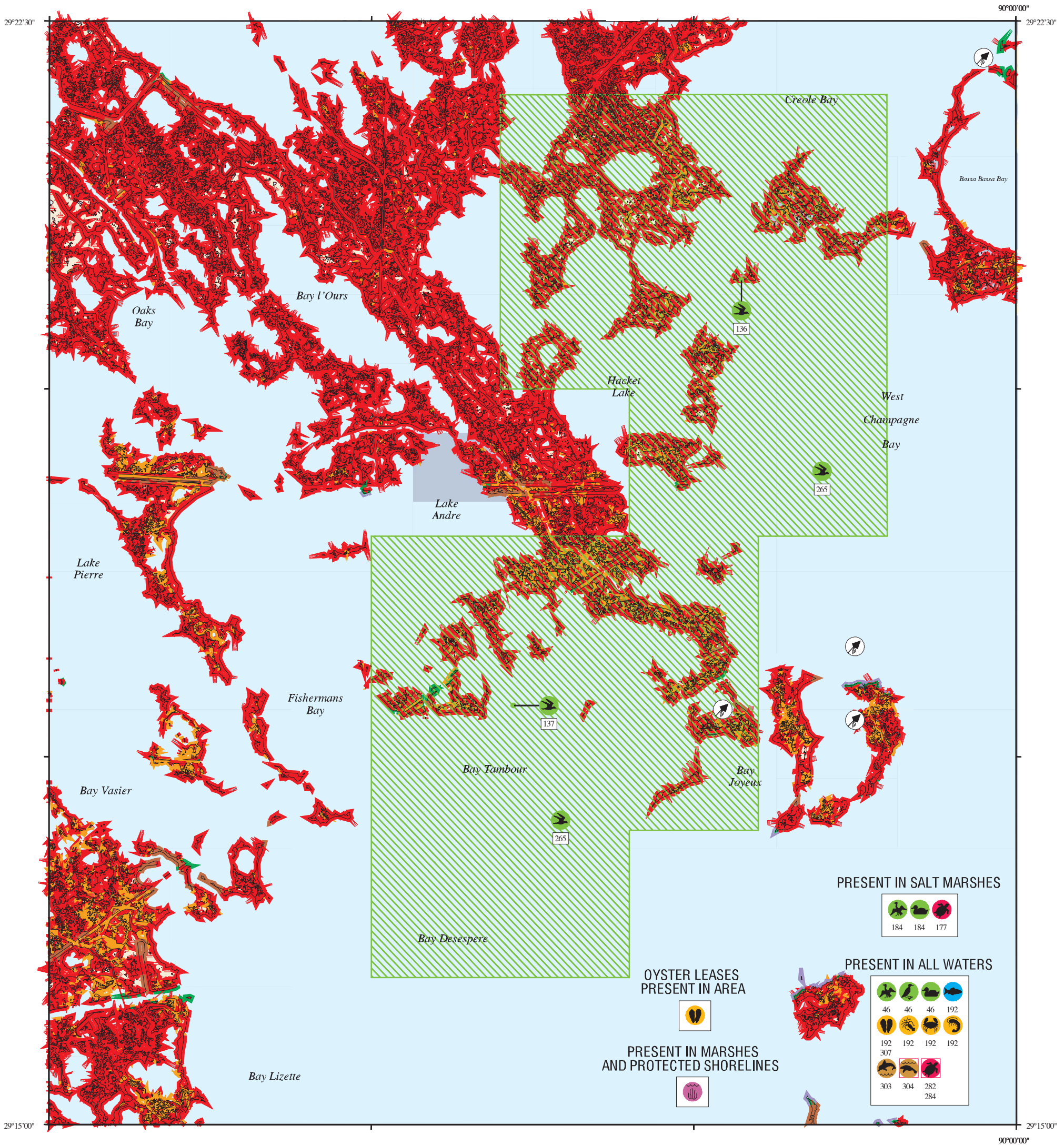


ENVIRONMENTAL SENSITIVITY INDEX MAP

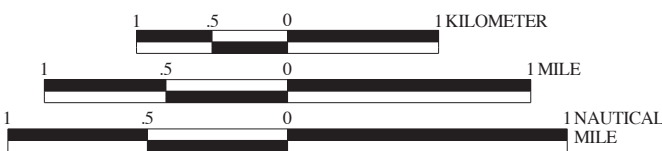


SHORELINE HABITATS (ESI)

- 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 SWAMPES
- 10D SCRUB-SHRUB WETLANDS, INCLUDING BLACK MANGROVES

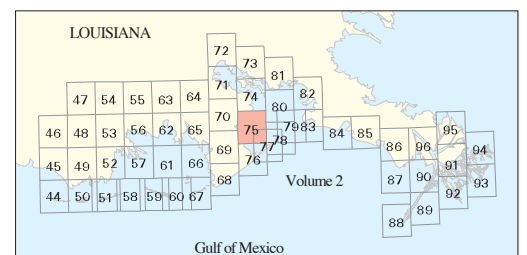


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BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
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	-	-	-	
136	Forster's tern	70 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-
137	Forster's tern	45 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-
	Laughing gull	2 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	-	-	-
	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	-	-	-
	Blue-winged teal	UP TO 12 IND/SQ MI	X	X	X						X	X	X	X	-	-	-
	Canvasback	UP TO 2 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Gadwall	UP TO 181 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Green-winged teal	UP TO 232 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Hooded merganser	UP TO 8 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Mallard	UP TO 4 IND/SQ MI	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	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	-	-	-
265	Gulls	2 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
	Terns	185 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-

FISH:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
192	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 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					-	-	-	-	-
	Atlantic tripletail	PRESENT			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-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	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					-	-	-	-	-
	Forage fish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Gafftopsail catfish	ABUNDANT			X	X	X								-	-	-	-	-
	Gray snapper	COMMON			X	X	X	X	X						-	-	-	JUL-NOV	-
	Gulf menhaden	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	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
	Kingfishes	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Lane snapper	RARE			X	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	-
	Scalloped hammerhead		X	X	X	X	X	X							-	-	MAY-OCT	-	-
	Seahorses	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Shad	ABUNDANT			X	X									-	-	-	-	-
	Sheepshead	HIGHLY ABUNDANT	X	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	X	-	-	OCT-MAR	JAN-DEC	JAN-DEC
	Spanish mackerel	COMMON			X	X	X	X	X						-	-	-	APR-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	HIGHLY 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

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
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

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	X	-	-	-	-
304	West Indian manatee	E E RARE TO UNCOMMON	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
177	Diamondback terrapin				X	X	X	X	X	X					-	-	-	-	-
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						-	-	-	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

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.