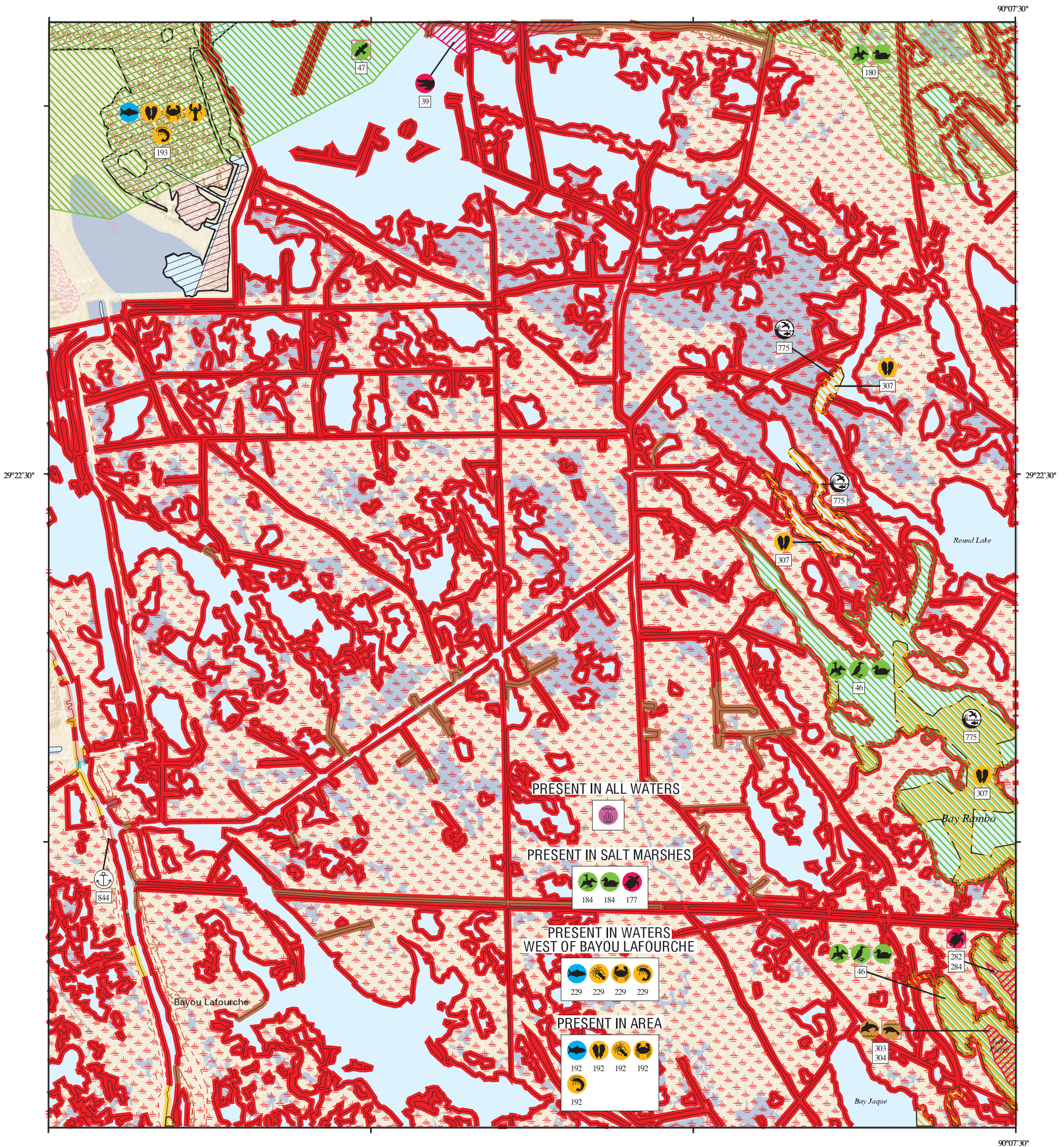


ENVIRONMENTAL SENSITIVITY INDEX MAP



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

1 0.5 0 1 KILOMETER

1 0.5 0 1 MILE

1 0.5 0 1 NAUTICAL MILE

LOUISIANA

Vol. 1 Vol. 2 Vol. 3

Gulf of Mexico

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Emergency Response Division

LOUISIANA

Volume 2

Gulf of Mexico

Louisiana: ESIMAP 70

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	X	-	-	-	
	Scaup	100,000S	X	X	X	X	X					X	X	X	-	-	-	
47	Bald eagle	E	X	X	X	X	X				X	X	X	X	NOV-APR	-	-	
180	American coot	UP TO 353 IND/SQ MI	X	X	X	X						X	X	X	X	-	-	-
	American white pelican	1000S	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	American wigeon	UP TO 90 IND/SQ MI	X	X	X	X						X	X	X	-	-	-	
	Blue-winged teal	UP TO 87 IND/SQ MI	X	X	X	X						X	X	X	X	-	-	-
	Canvasback	UP TO 3 IND/SQ MI	X	X	X							X	X		-	-		
	Gadwall	UP TO 800 IND/SQ MI	X	X	X	X						X	X	X	-	-	-	
	Green-winged teal	UP TO 164 IND/SQ MI	X	X	X	X						X	X	X	-	-	-	
	Hooded merganser	UP TO 3 IND/SQ MI	X	X	X	X						X	X	X	-	-	-	
	Mallard	UP TO 35 IND/SQ MI	X	X	X	X						X	X	X	-	-	-	
	Mottled duck	UP TO 28 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	
	Northern pintail	UP TO 11 IND/SQ MI	X	X	X	X						X	X	X	-	-	-	
	Northern shoveler	UP TO 32 IND/SQ MI	X	X	X	X	X					X	X	X	-	-	-	
	Ring-necked duck	UP TO 26 IND/SQ MI	X	X	X							X	X		-	-		
	Scaup	UP TO 90 IND/SQ MI	X	X	X	X	X					X	X	X	-	-	-	
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	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	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		-	-		
	Scaup	UP TO 468 IND/SQ MI	X	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
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					-	-	MAY-OCT	MAR-OCT	MAR-OCT
	Atlantic spadefish	ABUNDANT	X	X	X									-	-	-	-	-	
	Atlantic tripletail	PRESENT	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	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	-	-	-	-	-	
	Finetooth shark	ABUNDANT	X	X	X	X	X	X	X	X					-	-	MAY-OCT	MAR-OCT	MAR-OCT
	Florida pompano	ABUNDANT	X	X	X	X	X	X	X	X					-	-	-	-	-
	Forage fish	ABUNDANT	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	X	X						-	-	-	JUL-NOV	-
	Gulf menhaden	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Herrings and sardines	ABUNDANT	X	X	X	X	X	X	X	X					-	-	-	-	-
	Killifish	ABUNDANT	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	X	X	X	X	X						-	-	-	-	-	
	Pipefish	PRESENT	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	-	-	-	JAN-DEC	-	
	Scalloped hammerhead	ABUNDANT	X	X	X	X	X	X	X	X					-	-	MAY-OCT	-	-
	Seahorses	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Shad	ABUNDANT	X	X	X									-	-	-	-	-	
	Sheepshead	HIGHLY ABUNDANT	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	-	-	OCT-MAR	JAN-DEC	JAN-DEC	
	Spanish mackerel	COMMON	X	X	X	X	X	X	X	X					-	-	-	APR-OCT	-
	Spotted seatrout	HIGHLY ABUNDANT	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	-	-	-	JAN-DEC	JAN-DEC	
	White trout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	MAR-SEP	JAN-DEC	JAN-DEC	
193	Alligator gar	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	American eel	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Anchovies	COMMON	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC	
	Black drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Blue catfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	-	JAN-DEC	JAN-DEC	
	Bowfin	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Bream	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-NOV	JAN-DEC	JAN-DEC	
	Buffalo	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Bull shark	ABUNDANT	X	X	X	X	X	X	X	X					-	-	MAY-SEP	MAR-OCT	-
	Channel catfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	APR-JUL	-	-	JAN-DEC	
	Crappie	PRESENT	X	X	X	X	X	X	X	X	X	X	X	FEB-MAY	FEB-MAY	FEB-JUN	JAN-DEC	JAN-DEC	
	Croakers	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Flathead catfish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Freshwater drum	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Gafftopsail catfish	ABUNDANT	X	X	X									-	-	-	-	-	
	Gulf menhaden	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Killifish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC	
	Largemouth bass	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	-	-	JAN-DEC	JAN-DEC	
	Longnose gar	PRESENT	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC	
	Paddlefish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Pipefish	PRESENT	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	-	-	-	JAN-DEC	-	
	Shad	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Sheepshead	ABUNDANT	X	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	X	-	-	-	JAN-DEC	JAN-DEC	
	Spotted gar	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC	
	Spotted seatrout	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Striped mullet	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	White bass	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	White trout	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
229	Anchovies	ABUNDANT	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						-	-	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	PRESENT	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	JAN-JUL	JAN-DEC	JAN-DEC	
	Blacktip shark	HIGHLY ABUNDANT	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-DEC	-
	Cobia	PRESENT	X	X	X									-	-	-	-	-	
	Croakers	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Finetooth shark	ABUNDANT	X</																

Louisiana: ESIMAP 70 (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
229	Gulf menhaden	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	AUG-APR	SEP-JUN	SEP-JUN
	Herrings and sardines	PRESENT						X	X					-	-	-	-	-	
	Killifish	ABUNDANT	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						-	-	-	-	-	
	Pipefish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Red drum	COMMON	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	-	-	-	-	-	
	Shad	ABUNDANT	X							X	X	X		-	-	-	-	-	
	Sheepshead	HIGHLY ABUNDANT	X	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	X	-	-	OCT-MAR	JAN-DEC	JAN-DEC	
	Spanish mackerel	COMMON			X	X	X	X	X					-	-	-	MAR-AUG	-	
	Spotted seatrout	HIGHLY ABUNDANT	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	-	-	-	JAN-DEC	JAN-DEC	
	White trout	ABUNDANT	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	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	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	-	-	FEB-NOV	JAN-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	-	-	-	-	-	
	Squid	ABUNDANT	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	-	-	-	JAN-DEC	JAN-DEC	
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-NOV	JAN-DEC	-	
193	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	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	FEB-DEC	-	
	Fiddler crab	PRESENT	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	-	-	-	-	-	
	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	COMMON	X	X	X	X	X	X						APR-APR	-	APR-JUL	-	JAN-APR	
	White shrimp	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-NOV	MAR-JAN	-	
229	Atlantic seabob shrimp	COMMON						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	HIGHLY ABUNDANT	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	JUN-AUG	-	-	-	-	
	Grass shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Squid	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC	
	Stone crab	PRESENT	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	-	-	MAY-NOV	JAN-DEC	-	
307	Eastern oyster	PRESENT	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	-	-	-	-	
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	Interesting	Juveniles	Adults
39	American alligator	76-125 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	JUL-SEP	-	JAN-DEC	JAN-DEC	
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	-	-	-	JAN-DEC	JAN-DEC	
	Loggerhead sea turtle	T T COMMON	X	X	X	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
844	TIDEWATER DOCKS BOAT LAUNCH	DONALD J. VIZIER	985/475-5000

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.