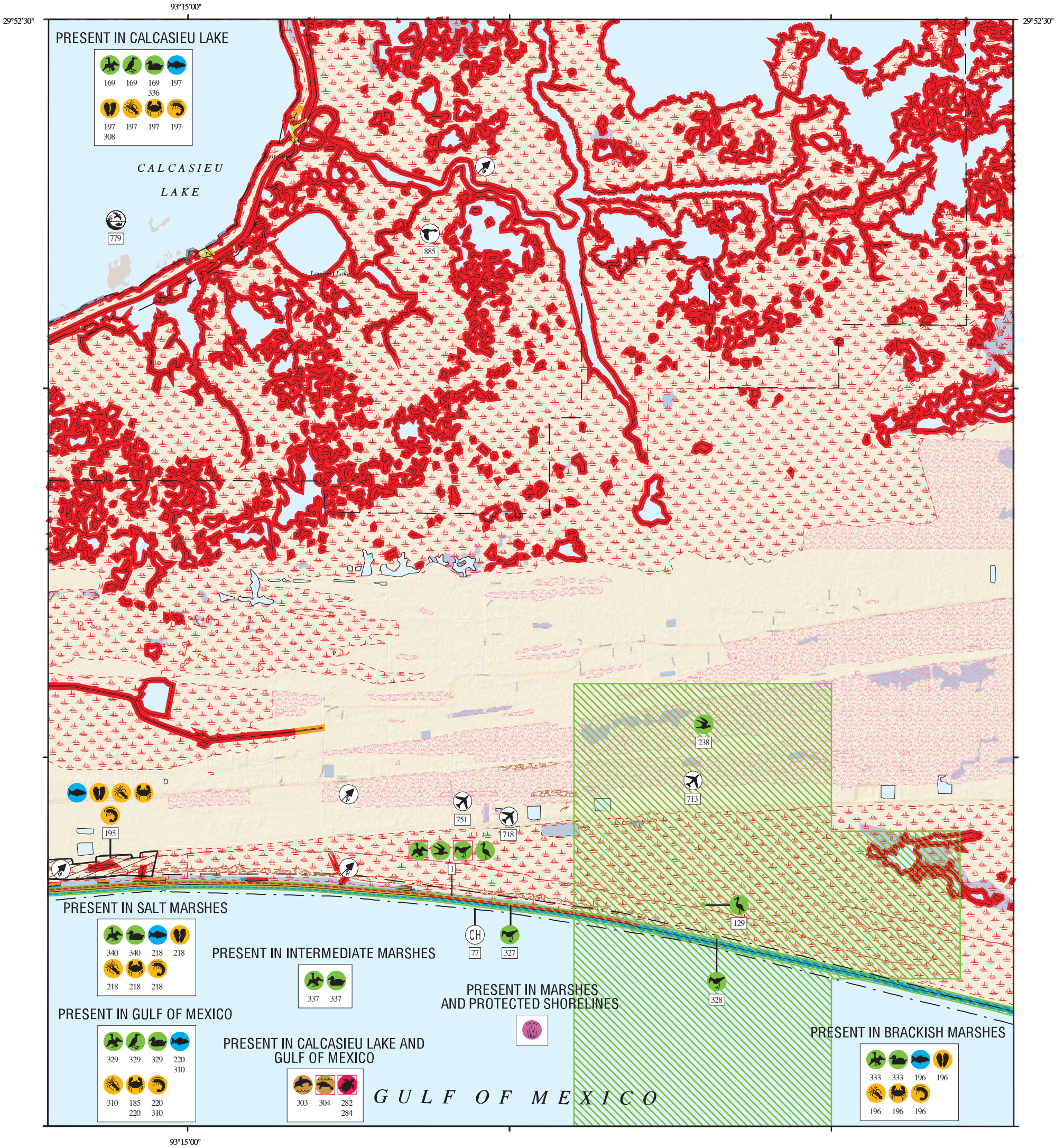


ENVIRONMENTAL SENSITIVITY INDEX MAP



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

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Gulf of Mexico

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Louisiana ESI - Volume 1 **ESI-11**

Louisiana: ESIMAP 11

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
1	American avocet	UP TO 2486 BIRDS /KM	X	X	X	X	X				X	X	X	X	-	-	-
	American golden-plover	UP TO 2 BIRDS /KM					X	X			X	X	X	-	-	-	
	American white pelican	UP TO 342 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Black skimmer	UP TO 435 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Black tern	UP TO 5 BIRDS /KM								X	X	X	-	-	-		
	Black-bellied plover	UP TO 20 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Black-necked stilt	UP TO 7 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Bonaparte's gull	UP TO 663 BIRDS /KM	X	X	X	X							X	-	-	-	
	Brown pelican	E UP TO 653 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Buff-breasted sandpiper	UP TO 16 BIRDS /KM				X	X				X	X	X	-	-	-	
	Caspian tern	UP TO 162 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Double-crested cormorant	UP TO 9 BIRDS /KM	X	X	X	X					X	X	X	-	-	-	
	Dowitchers	UP TO 2 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Dunlin	UP TO 249 BIRDS /KM	X	X	X	X					X	X	X	-	-	-	
	Forster's tern	UP TO 137 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Franklin's gull	UP TO 79 BIRDS /KM					X	X			X	X	X	-	-	-	
	Glaucous gull	UP TO 1 BIRD /KM	X	X	X	X							X	-	-	-	
	Greater yellowlegs	UP TO 9 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Gull-billed tern	UP TO 1 BIRD /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Herring gull	UP TO 124 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Killdeer	UP TO 24 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Laughing gull	UP TO 1243 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Least sandpiper	UP TO 56 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Least tern	549 PAIRS				X	X	X	X	X				APR-SEP	-	-	
	Lesser black-backed gull	UP TO 1 BIRD /KM	X	X	X	X					X	X	X	-	-	-	
	Lesser yellowlegs	UP TO 6 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Long-billed curlew	UP TO 1 BIRD /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Marbled godwit	UP TO 22 BIRDS /KM	X	X	X	X					X	X	X	-	-	-	
	Pectoral sandpiper	UP TO 2 BIRDS /KM				X	X	X	X	X	X	X	X	-	-	-	
	Piping plover	T T UP TO 5 BIRDS /KM	X	X	X	X					X	X	X	-	-	-	
	Red knot	LESS THAN 1 BIRD/KM				X	X	X			X	X	X	-	-	-	
	Reddish egret	UP TO 6 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Royal tern	UP TO 466 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Ruddy turnstone	UP TO 44 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Sandwich tern	UP TO 6 BIRDS /KM				X	X	X	X	X	X	X	X	-	-	-	
	Semipalmated plover	UP TO 24 BIRDS /KM	X	X	X	X					X	X	X	-	-	-	
	Semipalmated sandpiper	UP TO 93 BIRDS /KM				X	X	X	X	X	X	X	X	-	-	-	
	Short-billed dowitcher	UP TO 84 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Snowy plover	UP TO 27 BIRDS /KM	X	X	X						X	X	X	-	-	-	
	Spotted sandpiper	UP TO 7 BIRDS /KM	X	X	X	X					X	X	X	-	-	-	
	Stilt sandpiper	UP TO 9 BIRDS /KM				X	X	X	X	X	X	X	X	-	-	-	
	Western sandpiper	UP TO 218 BIRDS /KM	X	X	X	X					X	X	X	-	-	-	
	Whimbrel	UP TO 12 BIRDS /KM				X	X	X						-	-	-	
	White-rumped sandpiper	UP TO 12 BIRDS /KM				X	X							-	-	-	
	Willet	UP TO 75 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Wilson's phalarope	UP TO 16 BIRDS /KM				X	X	X	X					-	-	-	
	Wilson's plover	41 PAIRS				X	X	X	X	X	X	X	X	MAR-JUL	-	-	
129	Black-crowned night-heron	25 PAIRS	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-	
	Cattle egret	90 PAIRS	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	
	Little blue heron	13 PAIRS	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	
	Snowy egret	70 PAIRS	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	
	Tricolored heron	8 PAIRS	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	
169	Common loon		X	X	X								X	-	-	-	
	Northern gannet		X	X	X								X	-	-	-	
	Scaup	100S	X	X	X	X							X	-	-	-	
238	Terns	8 PAIRS	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-	
327	Snowy plover	1 PAIR				X	X	X						APR-JUN	-	-	
328	Snowy plover	1 PAIR				X	X	X						APR-JUN	-	-	
329	Common loon		X	X	X								X	-	-	-	
	Northern gannet		X	X	X								X	-	-	-	
	Scaup	100,000S	X	X	X	X							X	-	-	-	
	Sea ducks		X	X	X	X							X	-	-	-	
333	American coot	UP TO 226 IND/SQ MI	X	X	X						X	X	X	-	-	-	
	American white pelican	MEDIUM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	American wigeon	UP TO 122 IND/SQ MI	X	X	X								X	-	-	-	
	Blue-winged teal	UP TO 202 IND/SQ MI	X	X	X						X	X	X	-	-	-	
	Canvasback	UP TO 6 IND/SQ MI	X	X	X								X	-	-	-	
	Gadwall	UP TO 665 IND/SQ MI	X	X	X								X	-	-	-	
	Green-winged teal	UP TO 1051 IND/SQ MI	X	X	X								X	-	-	-	
	Hooded merganser	UP TO 3 IND/SQ MI	X	X	X								X	-	-	-	
	Mallard	UP TO 428 IND/SQ MI	X	X	X								X	-	-	-	
	Mottled duck	UP TO 39 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	
	Northern pintail	UP TO 167 IND/SQ MI	X	X	X								X	-	-	-	
	Northern shoveler	UP TO 127 IND/SQ MI	X	X	X	X					X	X	X	-	-	-	
	Ring-necked duck	UP TO 51 IND/SQ MI	X	X	X								X	-	-	-	
	Scaup	UP TO 203 IND/SQ MI	X	X	X	X							X	-	-	-	
336	American coot		X	X	X						X	X	X	-	-	-	
	American wigeon		X	X	X								X	-	-	-	
	Blue-winged teal		X	X	X						X	X	X	-	-	-	
	Canvasback		X	X	X								X	-	-	-	
	Gadwall		X	X	X								X	-	-	-	
	Green-winged teal		X	X	X								X	-	-	-	
	Hooded merganser		X	X	X								X	-	-	-	
	Mallard		X	X	X								X	-	-	-	
	Mottled duck		X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Northern pintail		X	X	X								X	-	-	-	
	Northern shoveler		X	X	X	X					X	X	X	-	-	-	
	Ring-necked duck		X	X	X								X	-	-	-	
337	American coot	UP TO 234 IND/SQ MI	X	X	X						X	X	X	-	-	-	
	American white pelican	MEDIUM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	American wigeon	UP TO 41 IND/SQ MI	X	X	X								X	-	-	-	
	Blue-winged teal	UP TO 194 IND/SQ MI	X	X	X						X	X	X	-	-	-	
	Canvasback	UP TO 3 IND/SQ MI	X	X	X								X	-	-	-	
	Gadwall	UP TO 312 IND/SQ MI	X	X	X								X	-	-	-	
	Green-winged teal	UP TO 220 IND/SQ MI	X	X	X								X	-	-	-	
	Hooded merganser	UP TO 1 IND/SQ MI	X	X	X								X	-	-	-	
	Mallard	UP TO 169 IND/SQ MI	X	X	X								X	-	-	-	
	Mottled duck	UP TO 34 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	
	Northern pintail	UP TO 210 IND/SQ MI	X	X	X								X	-	-	-	
	Northern shoveler	UP TO 104 IND/SQ MI	X	X	X	X					X	X	X	-	-	-	
	Ring-necked duck	UP TO 38 IND/SQ MI	X	X	X								X	-	-	-	
	Scaup	UP TO 19 IND/SQ MI	X	X	X	X							X	-	-	-	
340	American coot	UP TO 15 IND/SQ MI	X	X	X						X	X	X	-	-	-	
	American white pelican	MEDIUM	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	American wigeon	UP TO 81 IND/SQ MI	X	X	X								X	-	-	-	
	Blue-winged teal	UP TO 231 IND/SQ MI	X	X	X						X	X	X	-	-	-	
	Gadwall	UP TO 1063 IND/SQ MI	X	X	X								X	-	-	-	
	Green-winged teal	UP TO 938 IND/SQ MI	X	X	X								X	-	-	-	
	Hooded merganser	UP TO 3 IND/SQ MI	X	X	X								X	-	-	-	

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 11 (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	Spanish mackerel				X	X	X	X	X	X	X	X	X		APR-OCT	APR-OCT	APR-OCT	MAR-OCT	MAR-OCT
	Spinner shark		X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	-
	Tarpon				X	X	X	X	X	X	X	X		-	-	JUN-AUG	MAY-NOV	MAY-NOV	
	White trout		X	X	X	X	X	X	X	X	X	X	X		MAR-OCT	MAR-OCT	MAR-OCT	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
185	Blue crab	HIGH SPAWNING CONC						X	X	X					JUN-AUG	-	-	-	-
195	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	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	FEB-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		-	-	-	APR-DEC	APR-DEC
	Stone crab	PRESENT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	MAY-NOV	JAN-DEC	-
196	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X		MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Blue crab	COMMON	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	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	-
	Squid	RARE			X	X	X	X	X	X	X	X			-	-	-	MAY-NOV	MAY-NOV
	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	-
197	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	COMMON						X	X						-	-	-	-	-
	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	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			-	-	-	APR-NOV	APR-NOV
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	MAY-NOV	JAN-DEC	-
218	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X		MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Blue crab	COMMON	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	COMMON	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	-
	River shrimp	ABUNDANT			X	X	X	X	X						APR-JUL	-	APR-JUL	-	MAR-AUG
	Squid	COMMON			X	X									-	-	-	MAY-JUN	MAY-JUN
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	MAY-NOV	MAR-JAN	-
220	Atlantic seabob shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-	-
	Blue crab	ABUNDANT	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		-	-	-	-	-
	Stone crab	PRESENT	X	X	X	X	X	X	X	X	X	X	X		-	-	-	JAN-DEC	JAN-DEC
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAY-NOV	-	-	-	JAN-DEC
308	Eastern oyster	PRESENT	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		-	-	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

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
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	X	X	X	X	-	-	-	MAR-NOV	MAR-NOV
	Hawksbill sea turtle	E E VERY RARE	X	X	X	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	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:

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
77	PIPING PLOVER CRITICAL HABITAT	USFWS	

HELIPORT:

HUN#	Name	Contact	Phone
713	CREOLE		
718	EVERGREEN		
751	ROTORCRAFT LEASING CO CREOLE BASE		

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
779	PUBLIC OYSTER AREA	LDWF	

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
885	CAMERON PRAIRIE NWR - EAST COVE UNIT	USFWS	

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