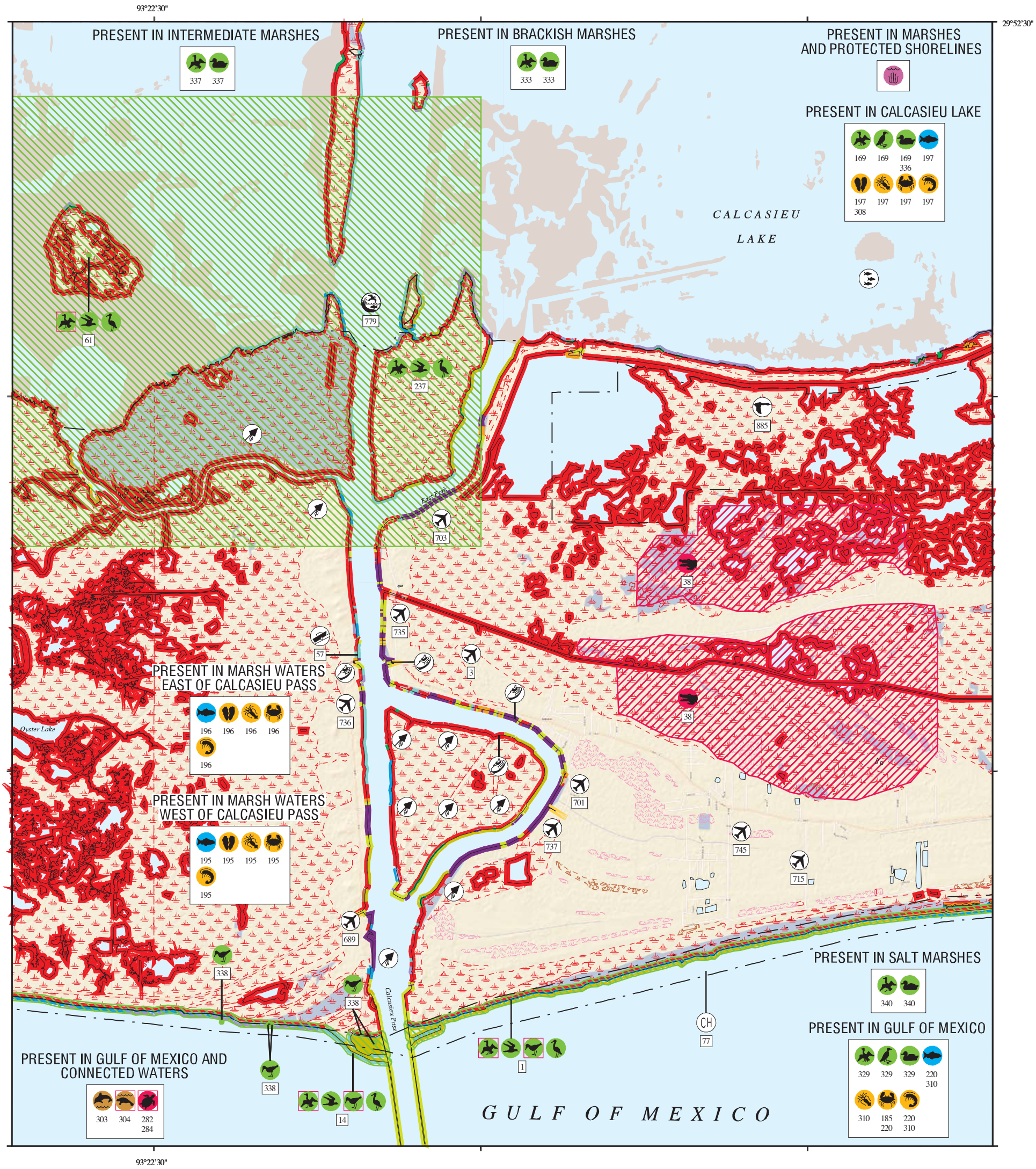
ENVIRONMENTAL SENSITIVITY INDEX MAP



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

N W E S

SCALE 1:50000

1 .5 0 1 KILOMETER

1 .5 0 1 MILE

1 .5 0 1 NAUTICAL MILE

Not For Navigation

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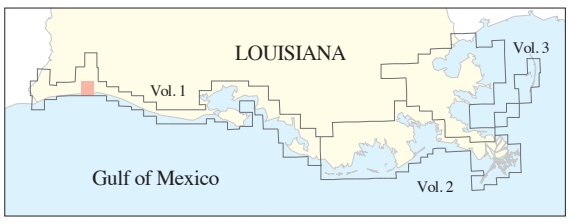

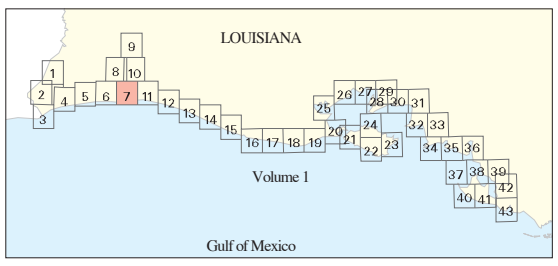

Louisiana: ESIMAP 7

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	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	X	-	-	-
	Black skimmer			UP TO 435 BIRDS /KM	X	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	X	-	-	-
	Black-necked stilt			UP TO 7 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Bonaparte's gull			UP TO 663 BIRDS /KM	X	X	X	X							X	X	-	-	-
	Brown pelican	E		UP TO 653 BIRDS /KM	X	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	X	-	-	-
	Double-crested cormorant			UP TO 9 BIRDS /KM	X	X	X	X					X	X	X	X	-	-	-
	Dowitchers			UP TO 2 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Dunlin			UP TO 249 BIRDS /KM	X	X	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	X	-	-	-
	Franklin's gull			UP TO 79 BIRDS /KM				X	X				X	X	X	X	-	-	-
	Glaucous gull			UP TO 1 BIRD /KM	X	X	X	X							X	X	-	-	-
	Greater yellowlegs			UP TO 9 BIRDS /KM	X	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	X	-	-	-
	Herring gull			UP TO 124 BIRDS /KM	X	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	X	-	-	-
	Laughing gull			UP TO 1243 BIRDS/KM	X	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	X	-	-	-
	Least tern			549 PAIRS				X	X	X	X	X	X				APR-SEP	-	-
	Lesser black-backed gull			UP TO 1 BIRD /KM	X	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	X	-	-	-
	Long-billed curlew			UP TO 1 BIRD /KM	X	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	X	X	X	-	-	-
	Pectoral sandpiper			UP TO 2 BIRDS /KM			X	X	X		X	X	X				-	-	-
	Piping plover	T	T	UP TO 5 BIRDS /KM	X	X	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	X	-	-	-
	Royal tern			UP TO 466 BIRDS /KM	X	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	X	-	-	-
	Sandwich tern			UP TO 6 BIRDS /KM				X	X	X	X	X	X	X			-	-	-
	Semipalmated plover			UP TO 24 BIRDS /KM	X	X	X	X	X			X	X	X	X	X	-	-	-
	Semipalmated sandpiper			UP TO 93 BIRDS /KM				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	X	-	-	-
	Snowy plover			UP TO 27 BIRDS /KM	X	X	X					X	X	X	X	X	-	-	-
	Spotted sandpiper			UP TO 7 BIRDS /KM	X	X	X	X	X		X	X	X	X	X	X	-	-	-
	Stilt sandpiper			UP TO 9 BIRDS /KM			X	X	X		X	X	X	X			-	-	-
	Western sandpiper			UP TO 218 BIRDS /KM	X	X	X	X	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	X	-	-	-
	Wilson's phalarope			UP TO 16 BIRDS /KM				X	X		X	X	X	X			-	-	-
	Wilson's plover			41 PAIRS			X	X	X	X	X	X	X	X			MAR-JUL	-	-
14	American avocet			UP TO 59 BIRDS /KM	X	X	X	X	X			X	X	X	X	X	-	-	-
	American golden-plover			UP TO 1 BIRD /KM			X	X				X	X	X			-	-	-
	American white pelican			UP TO 10 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Baird's sandpiper			UP TO 1 BIRD /KM				X	X		X	X	X				-	-	-
	Black skimmer			UP TO 4 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black tern			UP TO 6 BIRDS /KM							X	X	X				-	-	-
	Black-bellied plover			UP TO 11 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Black-necked stilt			UP TO 5 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Bonaparte's gull			UP TO 42 BIRDS /KM	X	X	X	X							X	X	-	-	-
	Brown pelican	E		UP TO 82 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Buff-breasted sandpiper			UP TO 1 BIRD /KM				X	X			X	X	X			-	-	-
	Caspian tern			UP TO 28 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Double-crested cormorant			UP TO 12 BIRDS /KM	X	X	X	X					X	X	X	X	-	-	-
	Dowitchers			UP TO 3 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Dunlin			UP TO 22 BIRDS /KM	X	X	X	X	X				X	X	X	X	-	-	-
	Forster's tern			UP TO 183 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Franklin's gull			UP TO 1 BIRD /KM				X	X				X	X	X	X	-	-	-
	Greater yellowlegs			UP TO 1 BIRD /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Gull-billed tern			UP TO 3 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Herring gull			UP TO 10 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Killdeer			UP TO 16 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Laughing gull			UP TO 2797 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Least sandpiper			UP TO 19 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Least tern			241 PAIRS				X	X	X	X	X	X				APR-SEP	-	-
	Lesser black-backed gull			UP TO 1 BIRD /KM	X	X	X	X					X	X	X	X	-	-	-
	Lesser yellowlegs			UP TO 2 BIRDS /KM	X	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	X	-	-	-
	Piping plover	T	T	UP TO 4 BIRDS /KM	X	X	X	X				X	X	X	X	X	-	-	-
	Red knot			LESS THAN 1 BIRD /KM			X	X	X			X	X	X			-	-	-
	Reddish egret			UP TO 1 BIRD /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Royal tern			UP TO 1243 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Ruddy turnstone			UP TO 11 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Sandwich tern			UP TO 17 BIRDS /KM				X	X	X	X	X	X	X			-	-	-
	Semipalmated plover			UP TO 19 BIRDS /KM	X	X	X	X	X			X	X	X	X	X	-	-	-
	Semipalmated sandpiper			UP TO 6 BIRDS /KM				X	X	X	X	X	X	X			-	-	-
	Short-billed dowitcher			UP TO 1 BIRD /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Snowy plover			UP TO 4 BIRDS /KM	X	X	X					X	X	X	X	X	-	-	-
	Spotted sandpiper			UP TO 1 BIRD /KM	X	X	X	X	X		X	X	X	X	X	X	-	-	-
	Upland sandpiper			UP TO 5 BIRDS /KM			X	X	X		X	X	X				-	-	-
	Western sandpiper			UP TO 21 BIRDS /KM	X	X	X	X	X		X	X	X	X	X	X	-	-	-
	Whimbrel			UP TO 10 BIRDS /KM			X	X	X								-	-	-
	Willet			UP TO 31 BIRDS /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Wilson's plover			UP TO 1 BIRD /KM			X	X	X	X	X	X	X				-	-	-
	Wilson's snipe			UP TO 1 BIRD /KM	X	X	X	X					X	X	X	X	-	-	-
61	Black skimmer			50 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-
	Black-crowned night-heron			200 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Brown pelican	E		175 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	NOV-SEP	-	-
	Cattle egret			70 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	Forster's tern			800 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-
	Great blue heron			20 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUL	-	-
	Great egret			160 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUL	-	-
	Herring gull			50 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	-	-
	Laughing gull			9116 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
	Roseate spoonbill			60 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
	Snowy egret			405 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-
	Tricolored heron			650 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-
	White ibis			290 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-
169	Common loon				X	X	X	X							X	X	-	-	-
	Northern gannet				X	X	X							X	X	X	-	-	-
	Scaup			100S	X	X	X	X	X					X	X	X	-	-	-
237	Anhinga			100 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-
	Cormorants			300 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-

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 7 (cont.)

BIOLOGICAL RESOURCES: (cont.)

BIRD: (cont.)

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
237	Gulls			5000 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
	Pelicans			400 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	NOV-JUL	-	-
	Terns			270 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-
	Wading birds			1339 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-
329	Common loon				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	-	-	-
	Sea ducks				X	X	X	X						X	X	X	-	-	-
333	American coot			UP TO 226 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	American white pelican			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	American wigeon			UP TO 122 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Blue-winged teal			UP TO 202 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Canvasback			UP TO 6 IND/SQ MI	X	X	X								X	X	-	-	-
	Gadwall			UP TO 665 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Green-winged teal			UP TO 1051 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 428 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Mottled duck			UP TO 39 IND/SQ MI	X	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						X	X	X	-	-	-
	Northern shoveler			UP TO 127 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Ring-necked duck			UP TO 51 IND/SQ MI	X	X	X								X	X	-	-	-
	Scaup			UP TO 203 IND/SQ MI	X	X	X	X	X					X	X	X	-	-	-
336	American coot				X	X	X	X					X	X	X	X	-	-	-
	American wigeon				X	X	X	X						X	X	X	-	-	-
	Blue-winged teal				X	X	X	X					X	X	X	X	-	-	-
	Canvasback				X	X	X								X	X	-	-	-
	Gadwall				X	X	X	X						X	X	X	-	-	-
	Green-winged teal				X	X	X	X						X	X	X	-	-	-
	Hooded merganser				X	X	X	X						X	X	X	-	-	-
	Mallard				X	X	X	X						X	X	X	-	-	-
	Mottled duck				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Northern pintail				X	X	X	X						X	X	X	-	-	-
	Northern shoveler				X	X	X	X	X				X	X	X	X	-	-	-
	Ring-necked duck				X	X	X								X	X	-	-	-
337	American coot			UP TO 234 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	American white pelican			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	American wigeon			UP TO 41 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Blue-winged teal			UP TO 194 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 312 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Green-winged teal			UP TO 220 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Hooded merganser			UP TO 1 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Mallard			UP TO 169 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Mottled duck			UP TO 34 IND/SQ MI	X	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						X	X	X	-	-	-
	Northern shoveler			UP TO 104 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Ring-necked duck			UP TO 38 IND/SQ MI	X	X	X								X	X	-	-	-
	Scaup			UP TO 19 IND/SQ MI	X	X	X	X	X					X	X	X	-	-	-
338	Wilson's plover			1 PAIR			X	X	X	X	X	X	X	X			MAR-JUL	-	-
340	American coot			UP TO 15 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	American white pelican			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	American wigeon			UP TO 81 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Blue-winged teal			UP TO 231 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Gadwall			UP TO 1063 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Green-winged teal			UP TO 938 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 181 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Mottled duck			UP TO 51 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-
	Northern pintail			UP TO 4 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Northern shoveler			UP TO 286 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Ring-necked duck			UP TO 974 IND/SQ MI	X	X	X								X	X	-	-	-
	Scaup			UP TO 45 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
195	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 spadefish			ABUNDANT				X	X	X	X	X	X	X	X		-	-	-	-	-
	Black drum			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	JAN-JUL	JAN-DEC	JAN-DEC
	Croakers			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Forage fish			HIGHLY ABUNDANT			X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Gafftopsail catfish			ABUNDANT					X	X	X	X	X				-	-	-	-	-
	Gulf menhaden			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Herrings and sardines			PRESENT							X	X	X				-	-	-	-	-
	Killifish			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Kingfishes			RARE						X	X	X	X	X			-	-	-	-	-
	Red drum			ABUNDANT	X	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	X	X	X	X	-	-	-	-	-
	Sheepshead			ABUNDANT	X	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	-	-	OCT-MAR	SEP-JUN	SEP-JUN
	Spanish mackerel			COMMON								X	X	X			-	-	-	AUG-OCT	-
	Spotted seatrout			ABUNDANT	X	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	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
196	Anchovies			RARE	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Atlantic spadefish			ABUNDANT					X	X	X	X	X	X			-	-	-	-	-
	Black drum			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Croakers			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Forage fish			PRESENT			X	X	X	X	X	X	X	X			-	-	-	-	-
	Gafftopsail catfish			COMMON						X	X	X	X				-	-	-	-	-
	Gulf menhaden			ABUNDANT			X	X	X	X	X	X					-	-	-	FEB-AUG	FEB-AUG
	Kingfishes			RARE						X	X	X	X				-	-	-	-	-
	Red drum			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	AUG-OCT	JAN-DEC	-
	Sheepshead			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-MAR	JAN-DEC	JAN-DEC
	White trout			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
197	Anchovies			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Atlantic spadefish			ABUNDANT					X	X	X	X	X				-	-	-	-	-
	Atlantic tripletail			ABUNDANT				X	X	X	X	X	X				-	-	-	APR-OCT	APR-OCT
	Black drum			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	JAN-JUL	JAN-DEC	JAN-DEC
	Cobia			PRESENT						X	X	X	X				-	-	-	-	-
	Croakers			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Forage fish			ABUNDANT			X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Gafftopsail catfish			ABUNDANT					X	X	X	X	X	X			-	-	-	-	-
	Gulf menhaden			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Herrings and sardines			PRESENT							X	X	X				-	-	-	-	-
	Killifish			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Kingfishes			COMMON							X	X	X	X			-	-	-	-	-
	Pipefish			PRESENT	X	X	X	X	X	X	X	X	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 7 (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
197	Red drum			ABUNDANT	X	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	X	X	X	X	-	-	-	-	-
	Sheepshead			ABUNDANT	X	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	X	-	-	FEB-MAR	JAN-DEC	JAN-DEC
	Spanish mackerel			COMMON							X	X	X	X			-	-	-	JUL-OCT	-
	Spotted seatrout			ABUNDANT	X	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	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
220	Black drum			COMMON	X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	JAN-JUL	JAN-DEC	JAN-DEC
	Gafftopsail catfish			HIGHLY ABUNDANT					X	X	X	X	X	X	X	X	-	-	-	-	-
	Gulf menhaden			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Kingfishes			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Red snapper				X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
	Shad			ABUNDANT	X	X	X	X		X	X	X	X	X	X	X	-	-	-	-	-
	Spotted seatrout			ABUNDANT	X	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	X	-	-	-	JAN-DEC	JAN-DEC
310	Anchovies			ABUNDANT	X	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			-	-	MAY-OCT	MAR-OCT	MAR-OCT
	Atlantic spadefish				X	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	X				-	-	-	APR-SEP	APR-SEP
	Blacktip shark			COMMON			X	X	X	X	X	X	X	X			-	-	MAR-OCT	MAR-OCT	MAR-OCT
	Bull shark						X	X	X	X	X	X	X	X			-	-	-	MAR-OCT	MAR-OCT
	Cobia									X	X	X	X	X			JUN-AUG	JUN-AUG	JUN-AUG	JUN-SEP	JUN-SEP
	Croakers			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	NOV-MAY	-	JAN-DEC
	Finetooth shark						X	X	X	X	X	X	X	X			-	-	MAR-OCT	MAR-OCT	MAR-OCT
	Florida pompano							X	X	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	X	-	-	-	-	-
	Gray snapper				X	X	X	X	X	X	X	X	X	X	X	X	JUN-NOV	JUN-NOV	JUN-NOV	JAN-DEC	JAN-DEC
	Gray triggerfish				X	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	X	APR-OCT	APR-OCT	APR-OCT	JAN-DEC	JAN-DEC
	Great hammerhead				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Herrings and sardines				X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-SEP	JAN-DEC	JAN-DEC
	King mackerel						X	X	X	X	X	X	X	X	X		JUN-NOV	JUN-NOV	JUN-NOV	MAR-NOV	MAR-NOV
	Lane snapper				X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-AUG	JAN-DEC	JAN-DEC
	Red drum			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	AUG-OCT	AUG-NOV	SEP-NOV	JAN-DEC	JAN-DEC
	Scalloped hammerhead				X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-OCT	JAN-DEC	JAN-DEC
	Sheepshead				X	X	X	X	X	X	X	X	X	X	X	X	JAN-APR	JAN-APR	JAN-MAY	-	DEC-MAR
	Shortfin mako				X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Southern flounder				X	X	X	X	X	X	X	X	X	X	X	X	SEP-FEB	SEP-FEB	SEP-APR	-	JAN-DEC
	Spanish mackerel						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	X	-	-	-	JAN-DEC	-
	Tarpon							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	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	-	-	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	X	-	-	-	JAN-DEC	JAN-DEC
	White shrimp			HIGHLY ABUNDANT	X	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	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Blue crab			COMMON	X	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	X	JUN-AUG	-	-	-	-
	Grass shrimp			ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Squid			RARE				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	X	-	-	-	JAN-DEC	JAN-DEC
	White shrimp			ABUNDANT	X	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	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	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	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		-	-	-	APR-NOV	APR-NOV
	White shrimp			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-NOV	JAN-DEC	-
220	Atlantic seabob shrimp			HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Blue crab			ABUNDANT	X	X	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	X	-	-	-	-	-
	Stone crab			PRESENT	X	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	X	MAY-NOV	-	-	-	JAN-DEC
308	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
310	Brown shrimp			ABUNDANT	X	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	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
38	American alligator			126-200 AC/NEST	X	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	X				-	-	-	APR-SEP	-
284	Green sea turtle	T	T	OCCASIONAL			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			-	-	-	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	X		-	-	-	MAR-NOV	MAR-NOV

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HUMAN USE RESOURCES:

AIRPORT:

HUN#	Name	Contact	Phone
3	CAMERON AIRSTRIP		

BOAT RAMP:

HUN#	Name	Contact	Phone
57	PUBLIC BOAT RAMP		

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Louisiana: ESIMAP 7 (cont.)

HUMAN USE RESOURCES: (cont.)

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
77	PIPING PLOVER CRITICAL HABITAT	USFWS	

HELIPORT:

HUN#	Name	Contact	Phone
689	A B DOCK SERVICES		
701	CAGC DOCK		
703	CAMERON SHORE BASE		
715	ERA HELICOPTERS CAMERON BASE		
735	MIDSTREAM CAMERON EAST		
736	MIDSTREAM CAMERON WEST		
737	MOBIL CAMERON		
745	PETROLEUM HELICOPTERS CAMERON		

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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