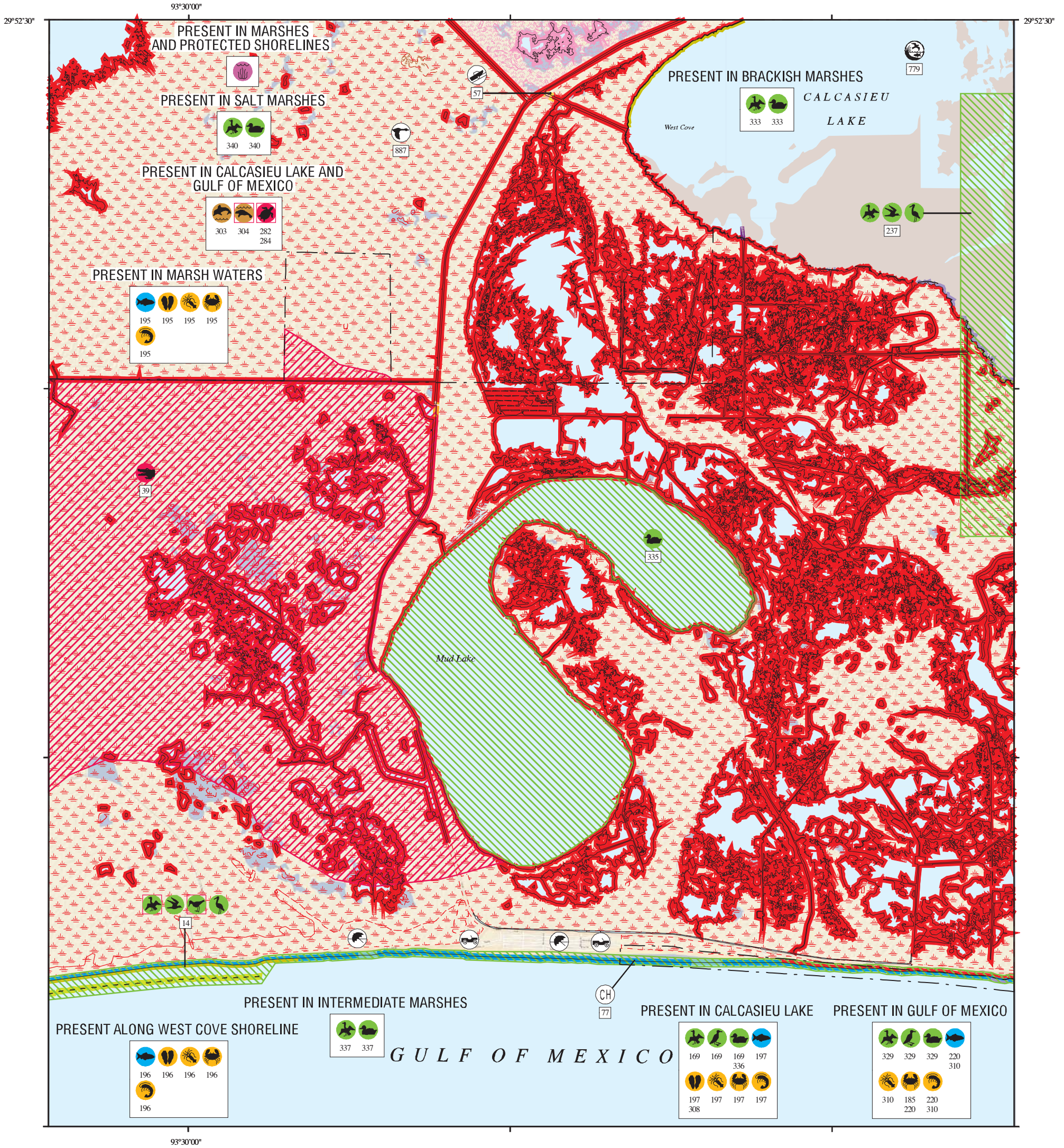


ENVIRONMENTAL SENSITIVITY INDEX MAP



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

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SCALE 1:50000

1 KILOMETER

1 MILE

1 NAUTICAL MILE

LOUISIANA

Gulf of Mexico

Vol. 1

Vol. 2

Vol. 3

Volume 1

ESI-6

Louisiana ESI - Volume 1

Louisiana: ESIMAP 6

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
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		-	-	-	
	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			-	-	-	
	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					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		-	-	-	
	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				-	-	-	
	Semipalmated plover	UP TO 19 BIRDS /KM	X	X	X	X			X	X	X	X	X	-	-	-	
	Semipalmated sandpiper	UP TO 6 BIRDS /KM			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		-	-	-	
	Spotted sandpiper	UP TO 1 BIRD /KM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Upland sandpiper	UP TO 5 BIRDS /KM			X	X	X		X	X				-	-	-	
	Western sandpiper	UP TO 21 BIRDS /KM	X	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				-	-	-	
	Wilson's snipe	UP TO 1 BIRD /KM	X	X	X	X			X	X	X			-	-	-	
169	Common loon		X	X	X	X			X	X				-	-	-	
	Northern gannet		X	X	X				X	X				-	-	-	
	Scaup	100S	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	-	-
	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				-	-	-	
	Scaup	100,000S	X	X	X	X			X	X				-	-	-	
	Sea ducks		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			-	-	-	
	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			-	-	-	
335	American coot		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			-	-	-	
	Canvasback		X	X	X				X	X				-	-	-	
	Gadwall		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			-	-	-	
	Ring-necked duck		X	X	X				X	X				-	-	-	
	Scaup		X	X	X	X			X	X				-	-	-	
336	American coot		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			-	-	-	
	Canvasback		X	X	X				X	X				-	-	-	
	Gadwall		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			-	-	-	
	Ring-necked duck		X	X	X				X	X				-	-	-	
	Scaup		X	X	X	X			X	X				-	-	-	
337	American coot	UP TO 234 IND/SQ MI	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			-	-	-	
	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				-	-	-	

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 6 (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
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	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	-	-	-
	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		-	-	-

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							-	-	-	-	-
	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							-	-	-	-	-
	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	-	-	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	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	X	X	-	-	-	-	-
	Gafftopsail catfish	COMMON			X	X	X	X							-	-	-	-	-
	Gulf menhaden	ABUNDANT	X	X	X	X	X	X	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						-	-	-	-	-
	Atlantic tripletail	ABUNDANT			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							-	-	-	-	-
	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	-	-	-	-	-
	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							-	-	-	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	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	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					-	-	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							-	-	-	APR-SEP	APR-SEP
	Blacktip shark	COMMON			X	X	X	X	X						-	-	MAR-OCT	MAR-OCT	MAR-OCT
	Bull shark				X	X	X	X	X						-	-	-	MAR-OCT	MAR-OCT
	Cobia				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						-	-	MAR-OCT	MAR-OCT	MAR-OCT
	Florida pompano				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					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					-	-	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					-	-	-	-	-
	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					APR-OCT	APR-OCT	APR-OCT	MAR-OCT	MAR-OCT</

Louisiana: ESIMAP 6 (cont.)

BIOLOGICAL RESOURCES: (cont.)

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	-	-	-	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	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	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	-	-	-	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					-	-	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
39	American alligator	76-125 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			-	-	-	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	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	X	X	X	-	-	-	MAR-NOV	MAR-NOV

HUMAN USE RESOURCES:

BOAT RAMP:

HUN#	Name	Contact	Phone
57	PUBLIC BOAT RAMP		

CRITICAL HABITAT:

HUN#	Name	Contact	Phone
77	PIPING PLOVER CRITICAL HABITAT	USEFWS	

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
779	PUBLIC OYSTER AREA	LDWF	

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
887	SABINE NATIONAL WILDLIFE REFUGE	USEFWS	

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.