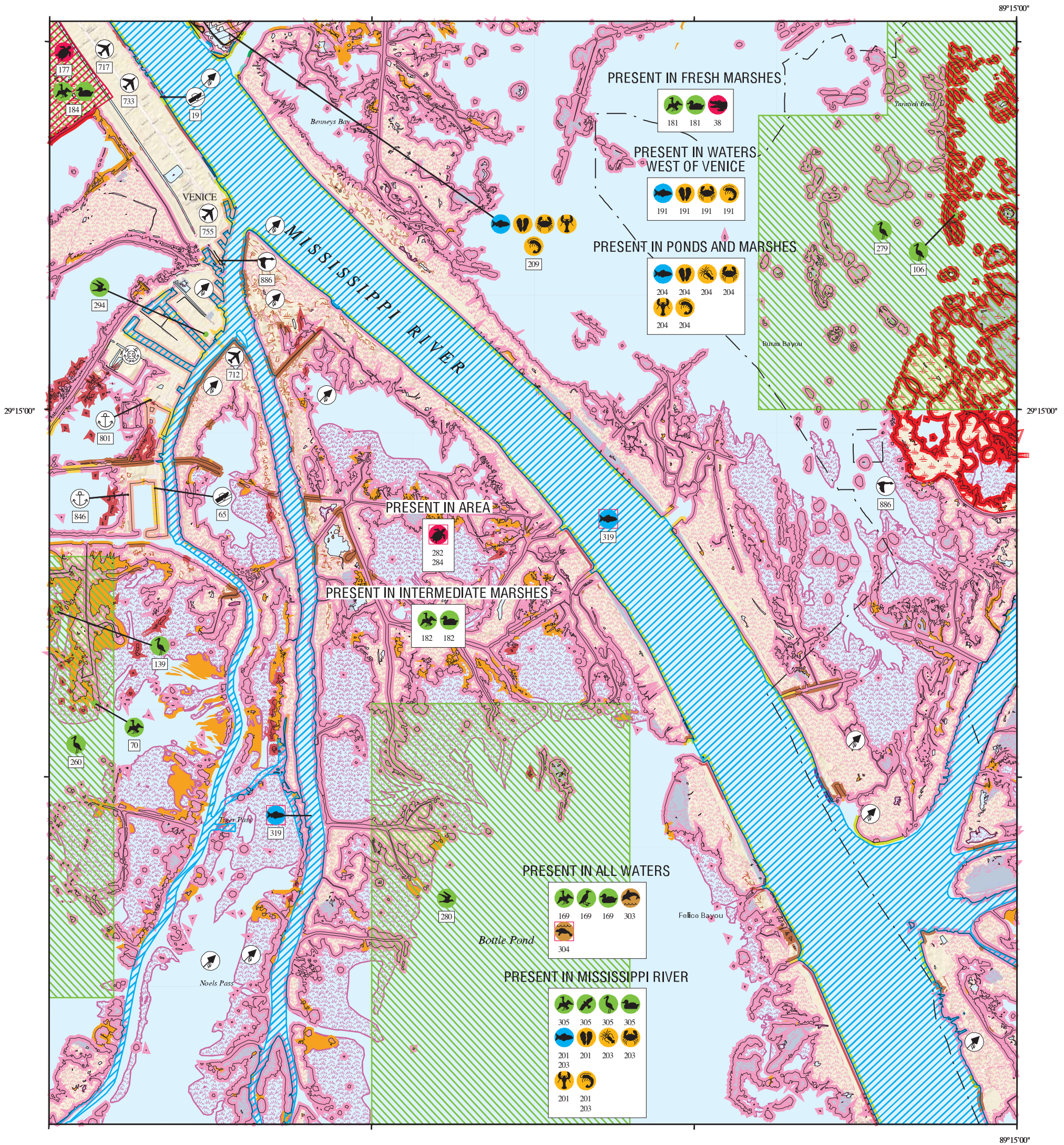


ENVIRONMENTAL SENSITIVITY INDEX MAP



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 0.5 1 KILOMETER

1 0.5 0 0.5 1 MILE

1 0.5 0 0.5 1 NAUTICAL MILE

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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
70	Neotropic cormorant	60 PAIRS	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
106	Little blue heron	5 PAIRS	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	
	Snowy egret	10 PAIRS	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	
139	Great egret	2 PAIRS	X	X	X	X	X	X	X	X	X	X	X	FEB-JUL	-	-	
	Roseate spoonbill	40 PAIRS	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	-	-	
169	Common loon		X	X	X							X	X	-	-	-	
	Northern gannet		X	X	X							X	X	-	-	-	
	Scaup	100S	X	X	X	X						X	X	-	-	-	
181	American coot	UP TO 1063 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	American white pelican	1000S	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	American wigeon	UP TO 98 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Blue-winged teal	UP TO 99 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Canvasback	UP TO 64 IND/SQ MI	X	X	X							X	X	-	-	-	
	Gadwall	UP TO 394 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Green-winged teal	UP TO 251 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Hooded merganser	UP TO 1 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Mallard	UP TO 338 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Mottled duck	UP TO 12 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	
	Northern pintail	UP TO 259 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Northern shoveler	UP TO 36 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Ring-necked duck	UP TO 289 IND/SQ MI	X	X	X							X	X	-	-	-	
	Scaup	UP TO 281 IND/SQ MI	X	X	X	X						X	X	-	-	-	
182	American coot	UP TO 1058 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	American white pelican	100S	X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	American wigeon	UP TO 113 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Blue-winged teal	UP TO 103 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Canvasback	UP TO 106 IND/SQ MI	X	X	X							X	X	-	-	-	
	Gadwall	UP TO 492 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Green-winged teal	UP TO 147 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Hooded merganser	UP TO 1 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Mallard	UP TO 32 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Mottled duck	UP TO 38 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	-	-	
	Northern pintail	UP TO 484 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Northern shoveler	UP TO 25 IND/SQ MI	X	X	X	X						X	X	-	-	-	
	Ring-necked duck	UP TO 403 IND/SQ MI	X	X	X							X	X	-	-	-	
	Scaup	UP TO 196 IND/SQ MI	X	X	X	X						X	X	-	-	-	
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	-	-	-	
	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	-	-	-	
	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	-	-	-	
	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	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	-	-	-	
	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	-	-	-	
260	Wading birds	250 PAIRS	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-	
279	Wading birds	100 PAIRS	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-	
280	Terns	500 PAIRS	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	-	-	
294	Least tern	90 PAIRS			X	X	X	X	X					APR-SEP	-	-	
305	Diving birds		X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Raptors		X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Wading birds		X	X	X	X	X	X	X	X	X	X	X	-	-	-	
	Waterfowl		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
191	Alligator gar	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	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	COMMON			X	X	X	X	X	X					-	-	-	-	-
	Black drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	-	JAN-DEC	JAN-DEC
	Bull shark		X	X	X	X	X	X	X						-	-	MAY-SEP	MAR-OCT	-
	Crappie	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	FEB-MAY	FEB-MAY	FEB-JUN	JAN-DEC	JAN-DEC
	Croakers	ABUNDANT	X	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	X	-	-	-	-	-
	Forage fish	ABUNDANT			X	X	X	X	X	X					-	-	-	-	-
	Gafftopsail catfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Gray snapper	COMMON			X	X	X	X	X	X					-	-	-	JUL-DEC	-
	Gulf menhaden	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Herrings and sardines	HIGHLY ABUNDANT	X	X											-	-	-	-	-
	Killifish	COMMON	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						-	-	-	-	-
	Largemouth bass	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-MAY	-	-	JAN-DEC	JAN-DEC
	Red drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Seahorses	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Shad	COMMON	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	RARE	X	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-MAR	JAN-NOV	JAN-NOV
	Spanish mackerel	COMMON			X	X	X	X	X						-	-	-	APR-OCT	-
	Spotted gar	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	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
201	Alligator gar	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	American eel	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Anchovies	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Black drum	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Blue catfish	COMMON	X	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	X	-	-	-	-	-
	Bream	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-AUG	MAR-NOV	JAN-DEC	JAN-DEC
	Buffalo	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Channel catfish	PRESENT	X	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	X	FEB-MAY	FEB-MAY	FEB-JUN	JAN-DEC	JAN-DEC
	Flathead catfish	PRESENT	X	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	X	-	-	-	-	-
	Largemouth bass	COMMON	X	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	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	Paddlefish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Shad	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	MAR-MAY	MAR-JUN	MAR-JUL	JAN-DEC
	Southern flounder	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Spotted gar	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	Striped mullet	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	White bass	COMMON	X	X	X	X</													

Louisiana: ESIMAP 96 (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
203	Forage fish	ABUNDANT						X	X	X	X	X	X	X	-	-	-	-	-
	Gafftopsail catfish	HIGHLY ABUNDANT								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	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Killifish	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Kingfishes	ABUNDANT						X	X	X					-	-	-	-	-
	Red drum	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	APR-NOV
	Sheepshead	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Spotted seatrout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	White trout	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
204	Alligator gar	PRESENT	X	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	X	-	-	-	JAN-DEC	JAN-DEC
	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				-	-	-	-	-
	Black drum	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	JAN-JUL	-	JAN-JUL	JAN-DEC	JAN-DEC
	Blue catfish	ABUNDANT	X	X	X	X							X		-	-	-	DEC-MAY	DEC-MAY
	Bowfin	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Bream	PRESENT	X	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	X	-	-	-	-	-
	Bull shark	COMMON						X	X	X	X	X	X	X	-	-	MAY-SEP	MAR-OCT	-
	Channel catfish	PRESENT	X	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	X	FEB-MAY	FEB-MAY	FEB-JUN	JAN-DEC	JAN-DEC
	Croakers	HIGHLY ABUNDANT	X	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	X	-	-	-	-	-
	Forage fish	ABUNDANT						X	X	X	X				-	-	-	-	-
	Freshwater drum	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Gafftopsail catfish	HIGHLY ABUNDANT						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	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Killifish	COMMON	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	-	-	-	-	-
	Largemouth bass	ABUNDANT	X	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	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	Paddlefish	PRESENT	X	X	X	X	X	X	X	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	APR-NOV
	Seahorses	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Shad	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	MAR-MAY	MAR-JUN	MAR-JUL	JAN-DEC
	Sheepshead	HIGHLY 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	-	-	-	JAN-DEC	JAN-DEC
	Spotted gar	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	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
	Tarpon	PRESENT						X	X	X	X	X	X	X	-	-	-	MAY-NOV	-
	White bass	ABUNDANT	X	X	X										-	-	-	-	-
	White trout	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	MAR-SEP	JAN-DEC	JAN-DEC
209	Alligator gar	PRESENT	X	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	X	-	-	-	JAN-DEC	JAN-DEC
	Anchovies	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Black drum	COMMON	X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-JUL	JAN-DEC	JAN-DEC
	Blue catfish	PRESENT	X	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	X	-	-	-	-	-
	Bream	ABUNDANT	X	X	X								X		-	-	-	NOV-MAR	NOV-MAR
	Buffalo	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Bull shark							X	X	X	X	X	X	X	-	-	MAY-SEP	MAR-OCT	-
	Channel catfish	PRESENT	X	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	X	FEB-MAY	FEB-MAY	FEB-JUN	JAN-DEC	JAN-DEC
	Croakers	ABUNDANT	X	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	X	-	-	-	-	-
	Freshwater drum	PRESENT	X	X	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
	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	-	-	-	-	-
	Largemouth bass	COMMON	X	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	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	Paddlefish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Pipefish	ABUNDANT	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	MAR-MAY	MAR-MAY	MAR-JUN	MAR-JUL	JAN-DEC
	Sheepshead	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Spotted gar	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	Striped mullet	ABUNDANT	X	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	X	-	-	-	-	-
	White trout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
319	Pallid sturgeon	E E PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
191	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	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	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	White shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-NOV	JAN-DEC	-
201	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC
	Red swamp crawfish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC
	River shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUL	JUL-SEP	JAN-DEC
203	Blue crab	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	APR-NOV	-	JAN-DEC	JAN-DEC
	Brown shrimp	ABUNDANT						X	X	X	X	X	X	X	-	-	MAR-NOV	APR-DEC	-
	Grass shrimp	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
	Squid	COMMON	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	-
204	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	X			-	-	-	-	-
	Blue crab	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	APR-NOV	APR-NOV	APR-NOV		

Louisiana: ESIMAP 96 (cont.)

BIOLOGICAL RESOURCES: (cont.)

INVERTEBRATE: (cont.)

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
209	Grass shrimp	ABUNDANT	X	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	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUL	JUL-SEP	JAN-DEC	
	White shrimp	ABUNDANT		X	X	X	X	X	X	X	X	X	X	-	-	MAY-NOV	MAR-NOV	-	

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
38	American alligator	126-200 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	X	X	X	X	X	-	-	-	-	-	
282	Kemp's ridley sea turtle	E E ABUNDANT		X	X	X	X	X	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	-	-	-	-	MAR-NOV	MAR-NOV
	Hawksbill sea turtle	E E VERY RARE		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:

BOAT RAMP:

HUN#	Name	Contact	Phone
19	BAPTISTE-COLLETTE BAYOU RIVER LAUNCH		
65	VENICE BOAT HARBOR		

HELIPORT:

HUN#	Name	Contact	Phone
712	CONOCO INC. VENICE		
717	ERA HELICOPTERS VENICE BASE		
733	MARATHON VENICE		
755	SHELL VENICE TERMINAL		

MARINA:

HUN#	Name	Contact	Phone
801	CYPRESS COVE MARINA	SONNY EIRICH	985/643-7977
846	VENICE MARINA	JEFF EDGEcombe	985/534-9357

WILDLIFE REFUGE:

HUN#	Name	Contact	Phone
886	DELTA NATIONAL WILDLIFE REFUGE	USFWS	

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.