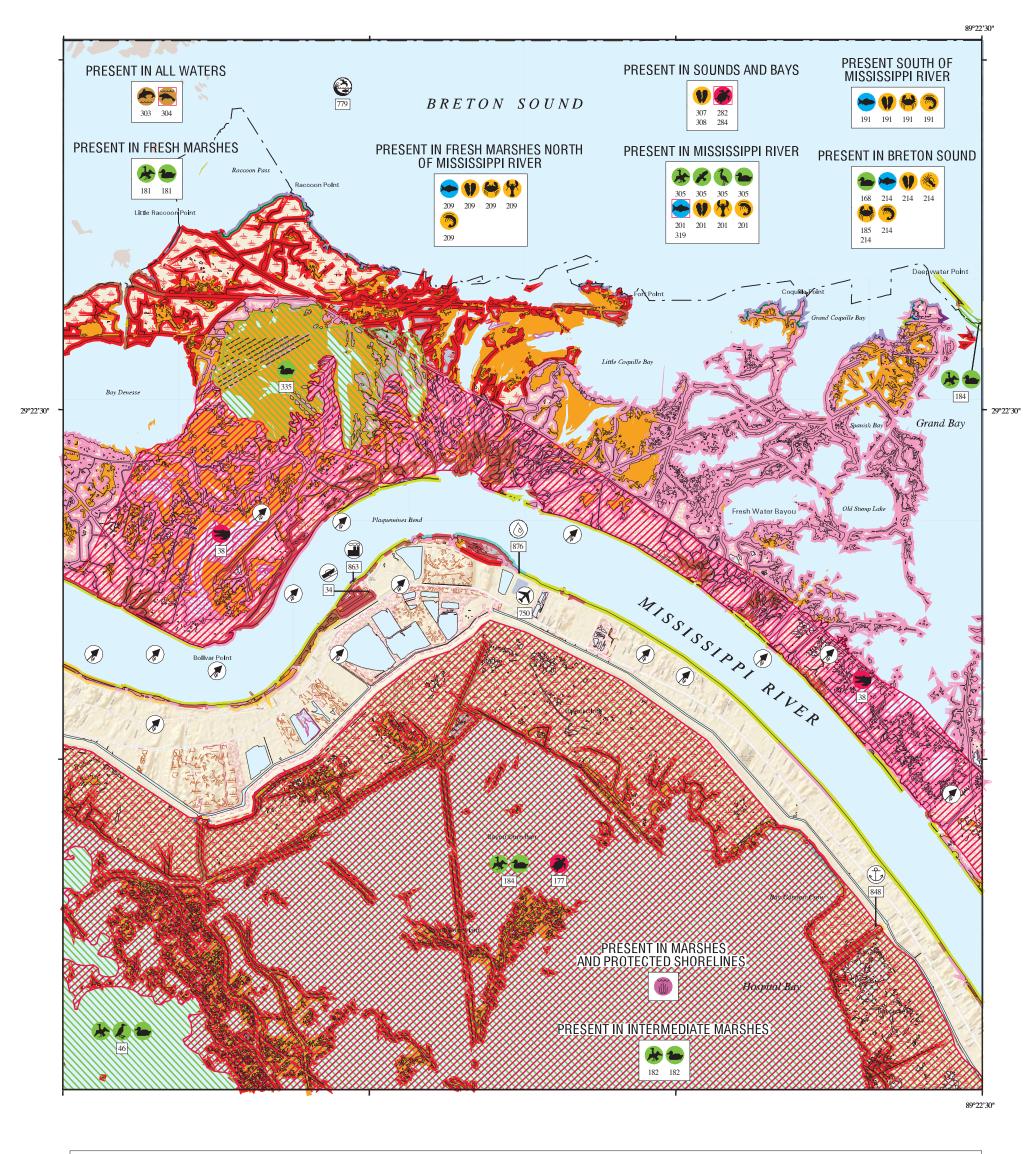
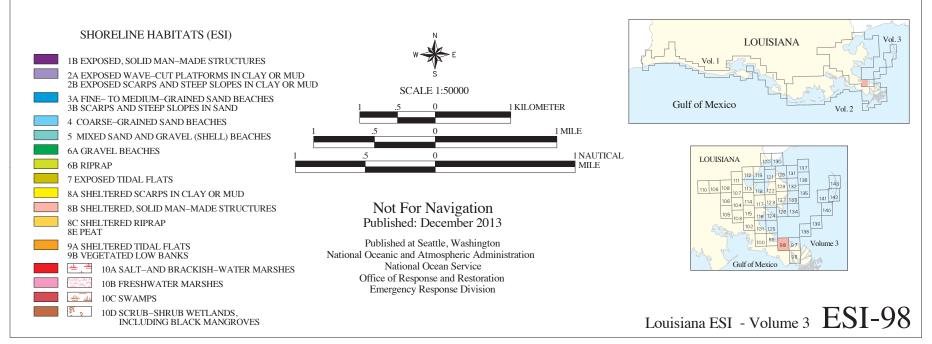
ENVIRONMENTAL SENSITIVITY INDEX MAP





Louisiana: ESIMAP 98

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 X X	-	-	-
	Northern gannet		$X X X \qquad \qquad X X X$	-	-	-
	Scaup	100,000S	$X \ X \ X \ X \ X \ X \ X$	-	-	-
168	Bufflehead		X X X X X X X X X X X X X X X X X X X	-	-	-
	Mergansers		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	-	-	-
	Scaup	10,000S	X X X X X X X X X X X X X X X X X X X	-	-	-
181	American coot	UP TO 1063 IND/SQ MI		-	-	-
	American white pelican	1000S	X X 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 X X	_	-	-
	Blue-winged teal	UP TO 99 IND/SQ MI	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	_
	Canvasback	UP TO 64 IND/SQ MI		_	_	_
	Gadwall Green-winged teal	UP TO 394 IND/SQ MI UP TO 251 IND/SQ MI	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	_
	Hooded merganser	UP TO 1 IND/SQ MI	XXXX XXX	_	_	_
	Mallard	UP TO 338 IND/SQ MI		_	_	_
	Mottled duck	UP TO 12 IND/SQ MI	\times		_	_
	Northern pintail	UP TO 259 IND/SQ MI		-	_	_
	Northern shoveler	UP TO 36 IND/SQ MI	X X X X X X X X X	_	_	_
	Ring-necked duck	UP TO 289 IND/SQ MI		_	_	_
	Scaup	UP TO 281 IND/SQ MI	X X X X X X X X X X X X X X X X X X X	-	_	_
182	American coot	UP TO 1058 IND/SQ MI		-	_	_
	American white pelican	100S	$X \; X \; $	-	-	-
	American wigeon	UP TO 113 IND/SQ MI	$X \ X \ X \ X $	_	-	_
	Blue-winged teal	UP TO 103 IND/SQ MI	$X X X X \qquad X X X X$	_	-	_
	Canvasback	UP TO 106 IND/SQ MI	X X X	-	-	-
	Gadwall	UP TO 492 IND/SQ MI	X X X X X X X X X X X X X X X X X X X	-	-	-
	Green-winged teal	UP TO 147 IND/SQ MI	X X X X X X X X X X X X X X X X X X X	-	-	-
	Hooded merganser	UP TO 1 IND/SQ MI	X X X X X X X X X X X X X X X X X X X	-	-	-
	Mallard	UP TO 32 IND/SQ MI	X X X X X X X X X X X X X 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 X X		-	-
	Northern pintail	UP TO 484 IND/SQ MI	X X X X	-	-	_
	Northern shoveler	UP TO 25 IND/SQ MI	X X X X X X X X X X X X X X X X X X X	_	_	-
	Ring-necked duck	UP TO 403 IND/SQ MI	X X X	-	-	_
104	Scaup	UP TO 196 IND/SQ MI	X X X X X X X X X X	-	-	_
184		UP TO 2 IND/SQ MI	X X X X X X X X X X X X X X X X X X X	-	-	_
	American white pelican	HIGH	X X X X X X X X X X X X X X X X X X X	_	_	_
	American wigeon	UP TO 19 IND/SQ MI UP TO 12 IND/SQ MI	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	_
	Blue-winged teal Canvasback	UP TO 2 IND/SQ MI	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	_
	Gadwall	UP TO 181 IND/SQ MI		_	_	_
	Green-winged teal	UP TO 232 IND/SQ MI		_	_	_
	Hooded merganser	UP TO 8 IND/SQ MI	X X X X X X X X X	_	_	_
	Mallard	UP TO 4 IND/SQ MI	X X X X X X X X	_	_	_
	Mottled duck	UP TO 17 IND/SQ MI			_	_
	Northern pintail	UP TO 6 IND/SQ MI	X X X X X X X X	_	_	_
	Northern shoveler	UP TO 9 IND/SQ MI	X X X X X X X X X X X X X X X X X X X	-	_	_
	Ring-necked duck	UP TO 9 IND/SQ MI	X X X X X X	-	_	_
	Scaup	UP TO 468 IND/SQ MI	X X X X X X X X X X X X X X X X X X X	_	-	_
305	Diving birds		X X X X X X X X X X X X X X	-	-	-
	Raptors		$X \; X \; $	-	_	-
	Wading birds		$\times \times $	-	-	-
	Waterfowl		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	-	-	-
335	American coot		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	-	-	-
	American wigeon		$X X X X \qquad \qquad X X X$	-	-	-
	Blue-winged teal		X X X X X X X X X X X X X X X X X X X		-	-
	Canvasback		X X X X X X		-	-
	Gadwall		X X X X X X X X X X X X X X X X X X X		-	_
	Green-winged teal		X X X X X X X X X X X X X X X X X X X		-	-
	Hooded merganser		X X X X X X X X X		-	_
	Mallard		XXXX XXX		-	_
	Mottled duck		X X X X X X X X X X X X X X X X X X X			_
	Northern pintail		X X X X X X X X X X X X X X X X X X X		_	_
	Northern shoveler		$\begin{array}{cccccccccccccccccccccccccccccccccccc$		<u>-</u>	_
	Ring-necked duck Scaup		X X X X X X X X X X X X X X X X X X X	_	_	_
	ocaup		A A A A A	-		_
FISH	l :					
RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eaas	Larvae

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 X	-	-	-		-
	Anchovies	ABUNDANT	imes ime	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Atlantic spadefish	COMMON	X X X X X X X	-	_	-	-	-
	Black drum	ABUNDANT	imes ime	JAN-JUL	_	-	JAN-DEC	JAN-DEC
	Bull shark		X X X X X X X X	-	_	MAY-SEP	MAR-OCT	-
	Crappie	PRESENT	imes ime	FEB-MAY	FEB-MAY	FEB-JUN	JAN-DEC	JAN-DEC
	Croakers	ABUNDANT	imes ime	-	_	-	-	-
	Flathead catfish	PRESENT	imes ime	-	-	-	-	-
	Forage fish	ABUNDANT	X X X X X X X X	-	-	-	-	-
	Gafftopsail catfish	ABUNDANT	imes ime	-	-	-	-	-
	Gray snapper	COMMON	X X X X X X X	-	-	-	JUL-DEC	-
	Gulf menhaden	HIGHLY ABUNDANT	imes ime	-	-	-	JAN-DEC	JAN-DEC
	Herrings and sardines	HIGHLY ABUNDANT	$X X \qquad X X X X X$	-	-	-	-	-
	Killifish	COMMON	imes ime	APR-SEP	_	-	JAN-DEC	JAN-DEC
	Kingfishes	RARE	X X X X X X X	_	_	-	_	_
	Largemouth bass	ABUNDANT	imes ime	JAN-MAY	_	-	JAN-DEC	JAN-DEC
	Red drum	ABUNDANT	imes ime	_	_	-	JAN-DEC	_
	Seahorses	PRESENT	imes ime	_	_	-	_	_
	Shad	COMMON	imes ime	_	_	-	_	_
	Sheepshead	ABUNDANT	imes ime	-	_	-	JAN-DEC	JAN-DEC
	Southern flounder	RARE	imes ime	-	_	OCT-MAR	JAN-NOV	JAN-NOV
	Spanish mackerel	COMMON	X X X X X X X	_	_	-	APR-OCT	_
	Spotted gar	COMMON	imes ime	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC
	Spotted seatrout	ABUNDANT	imes ime	APR-SEP	_	APR-SEP	JAN-DEC	JAN-DEC
	Striped mullet	ABUNDANT	imes ime	-	_	-	JAN-DEC	JAN-DEC
	White trout	ABUNDANT	imes ime	MAR-SEP	_	MAR-SEP	JAN-DEC	JAN-DEC
201	Alligator gar	PRESENT	imes ime	-	_	-	-	_
	American eel	COMMON	imes ime	-	_	-	JAN-DEC	JAN-DEC
	Anchovies	PRESENT	imes ime	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Black drum	PRESENT	imes ime	-	_	-	JAN-DEC	JAN-DEC
	Blue catfish	COMMON	imes ime	APR-JUL	APR-JUL	-	JAN-DEC	JAN-DEC
	Bowfin	PRESENT	imes ime	-	_	-	-	_
	Bream	COMMON	imes ime	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	imes ime	APR-JUL	APR-JUL	_	_	JAN-DEC
	Crappie	PRESENT	imes ime		FEB-MAY	FEB-JUN	JAN-DEC	JAN-DEC
	Flathead catfish	PRESENT	X 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 X	_	_	_	_	_
	Largemouth bass	COMMON	X X X X X X X X X X X X X		_	_	JAN-DEC	JAN-DEC
	Longnose gar	PRESENT	X X X X X X X X X X X X X		MAR-APR	MAR-APR	MAR-JUN	JAN-DEC

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 98 (cont.)

SE	: (cont.)							
R#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
01	Paddlefish	PRESENT	X 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 X	MAR-MAY	MAR-MAY	MAR-JUN	MAR-JUL	JAN-DE
	Southern flounder Spotted gar	PRESENT COMMON	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	– MΔR–ΔPR	- MAR-APR	- MAR-APR	JAN-DEC MAR-JUN	JAN-DE JAN-DE
	Striped mullet	ABUNDANT	X X X X X X X X X X X X X X X X X X X	MAK-AFK	- MAK-AFK	- -	JAN-DEC	JAN-DE
	White bass	COMMON	\times	-	-	-	-	-
09	Alligator gar	PRESENT	$\mathbf{x} \ \mathbf{x} \ \mathbf{x}$	-	-	-	_	_
	American eel Anchovies	PRESENT ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	— M7D_CED	- MAR-SEP	- MAR-SEP	JAN-DEC JAN-DEC	JAN-DE JAN-DE
	Black drum	COMMON	X X X X X X X X X X X X X X X X X X X	MAR-SEP	MAR-SEP	JAN-JUL	JAN-DEC	JAN-DE
	Blue catfish	PRESENT	\times	APR-JUL	APR-JUL	-	JAN-DEC	JAN-DE
	Bowfin	PRESENT	$\times \times $	-	-	-	-	-
	Bream	ABUNDANT	XXX	-	-	_	NOV-MAR -	NOV-MA
	Buffalo Bull shark	PRESENT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	- MAY-SEP	- MAR-OCT	_
	Channel catfish	PRESENT	X X X X X X X X X X X X X X X X X X X		APR-JUL	-	-	JAN-DE
	Crappie	PRESENT	$\times \times $		FEB-MAY	FEB-JUN	JAN-DEC	JAN-DE
	Croakers	ABUNDANT	X X X X X X X X X X X X X X	-	-	-	-	-
	Flathead catfish Freshwater drum	PRESENT	X X X X X X X X X X X X X X X X X X X	-	-	-	-	-
	Freshwater drum Gafftopsail catfish	PRESENT ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	_	_	_
	Gulf menhaden	ABUNDANT	\times	_	_	_	JAN-DEC	JAN-DE
	Killifish	ABUNDANT	$\times \times $	APR-SEP	-	-	JAN-DEC	JAN-DE
	Kingfishes	ABUNDANT	$\times \times $	-	-	-	-	-
	Largemouth bass	COMMON	X X X X X X X X X X X X X X X X X X X		- MAD ADD	- -	JAN-DEC	JAN-DE
	Longnose gar Paddlefish	PRESENT PRESENT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	MAR-APR -	MAR-APR -	MAR-APR -	MAR-JUN -	JAN-DE
	Pipefish	ABUNDANT	X X X X X X X X X X X X X X X X X X X	-	-	-	_	_
	Red drum	ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-	-	AUG-OCT	JAN-DEC	-
	Shad	ABUNDANT	$\times \times $	MAR-MAY	MAR-MAY	MAR-JUN	MAR-JUL	JAN-DI
	Sheepshead	ABUNDANT	X X X X X X X X X X X X X X X X X X X	-	-	-	JAN-DEC	JAN-DI
	Southern flounder Spotted gar	PRESENT PRESENT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- MAR-APR	- MAR-APR	- MAR-APR	JAN-DEC MAR-JUN	JAN-DE JAN-DE
	Striped mullet	PRESENT ABUNDANT	X X X X X X X X X X X X X X X X X X X	- 	- nuv-ulk	- ATK	MAK-JUN JAN-DEC	JAN-DE
	White bass	PRESENT	X X X X X X X X X X X X X X X X X X X	-	-	-	-	- OIN DI
	White trout	ABUNDANT	$\times \times $	-	-	-	JAN-DEC	JAN-DI
4	Anchovies	COMMON	$\begin{smallmatrix} & & \times $	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DI
	Atlantic sharpnose shark	HIGHLY ABUNDANT RARE	X X X X X X X X	_	_	MAY-OCT -	MAR-OCT -	MAR-O
	Atlantic spadefish Atlantic tripletail	PRESENT	$\begin{smallmatrix} & & \times & \times & \times & \times \\ & \times & \times & \times & \times & \times$	_	_	_	APR-OCT	APR-00
	Black drum	ABUNDANT	\times	JAN-JUL	_	JAN-JUL	JAN-DEC	JAN-DI
	Blacktip shark	COMMON	X X X X X X X X	_	-	MAY-OCT	MAR-OCT	MAR-00
	Bull shark	COMMON	X X X X X X X X	-	-	MAY-SEP	MAR-OCT	-
	Croakers	ABUNDANT	X X X X X X X X X X X X X	-	-	- MAY 000	- MAD 000	MAR-O
	Finetooth shark Forage fish	HIGHLY ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	MAY-OCT -	MAR-OCT	MAR-O
	Gafftopsail catfish	ABUNDANT	X X X X X X X X X X X X X X X X X X X	_	_	_	_	_
	Gray snapper	COMMON	X X X X X	-	-	-	JUL-NOV	-
	Gulf menhaden	HIGHLY ABUNDANT	$\times \times $	-	-	-	JAN-DEC	JAN-DE
	Herrings and sardines	PRESENT	XXX	- CED	-	-	- -	- TAN DI
	Killifish Kingfishes	COMMON ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	APR-SEP	_	_	JAN-DEC -	JAN-DI -
	Lane snapper	RARE	X	_	_	_	_	_
	Pipefish	PRESENT	\times	_	_	_	_	-
	Red drum	ABUNDANT	$\times \times $	-	-	AUG-OCT	JAN-DEC	-
	Scalloped hammerhead		X X X X X X X X	-	-	MAY-OCT	-	-
	Seahorses Shad	PRESENT ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	_	_ _	_
	Sheepshead	PRESENT	X X X X X X X X X X X X X X X X X X X	_	_	_	JAN-DEC	JAN-DE
	Southern flounder	PRESENT	\times	-	-	OCT-MAR	JAN-DEC	JAN-DI
	Spanish mackerel	COMMON	X X X X X	-	-	-	MAY-SEP	-
	Spotted seatrout	HIGHLY ABUNDANT	X X X X X X X X X X X X X X	APR-SEP	-	APR-SEP	JAN-DEC	JAN-DI
	Striped mullet	ABUNDANT	X X X X X X X X X X X X	-	-	_	JAN-DEC	JAN-DI -
	Tarpon White trout	PRESENT COMMON	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- MAR-SEP	_	- MAR-SEP	MAY-NOV JAN-DEC	JAN-DE
9	Pallid sturgeon	E E PRESENT	X X X X X X X X X X X X X X X X X X X	-	-	-	-	- OAN DI
	<u> </u>							
	RTEBRATE:							
Ħ	Species	S F Conc.	J F M A M J J A S O N D		Eggs	Larvae	Juveniles	Adult
- 5	Blue crab	HIGH SPAWNING CONC	X X X	JUN-AUG				
	Atlantic rangia	PRESENT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		_	MAR-NOV	JAN-DEC	JAN-DE
	Blue crab	ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		APR-NOV	APR-NOV	JAN-DEC	JAN-DI
	Brown shrimp	ABUNDANT	$ \begin{smallmatrix} 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 X X X X X X X	JUN-AUG	-	-	<u>-</u>	-
	Grass shrimp White shrimp	HIGHLY ABUNDANT ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	-	- MAR-NOV	- JAN-DEC	_
1	White shrimp Atlantic rangia	ABUNDANT PRESENT	X X X X X X X X X X X X X X X X X X X		_	MAR-NOV MAR-NOV	JAN-DEC JAN-DEC	JAN-DE
-	Red swamp crawfish	PRESENT	$X \times X \times$		JAN-DEC	JAN-DEC	JAN-DEC	JAN-DI
	River shrimp	ABUNDANT	$\times \times $	-	-	APR-JUL	JUL-SEP	JAN-DE
a	Atlantic rangia	PRESENT	X X X X X X X X X X X X		-	MAR-NOV	JAN-DEC	JAN-DE
_	Blue crab	ABUNDANT	X X X X X X X X X X X X X		APR-NOV	APR-NOV	JAN-DEC	JAN-DE
,	Brown shrimp Fiddler crab	ABUNDANT PRESENT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- JIIN-AIIG	-	FEB-OCT	MAR-OCT	-
,	Grass shrimp	PRESENT ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG -	_	_	_	_
		PRESENT	$X \times X \times$		JAN-DEC	JAN-DEC	JAN-DEC	JAN-DE
	Red swamp crawfish		$\times \times $	-	-	APR-JUL	JUL-SEP	JAN-DE
	Red swamp crawfish River shrimp	PRESENT	X X X X X X X X X	-	-	MAY-NOV	MAR-NOV	_
	Red swamp crawfish River shrimp White shrimp	ABUNDANT		MAR-NOV	- 7.DD_M7.V	MAR-NOV	JAN-DEC	JAN-DE
	Red swamp crawfish River shrimp White shrimp Atlantic rangia	ABUNDANT PRESENT	$\begin{smallmatrix} & \times & $	3 DD	0.1313 347/37	APR-MAY	SEP-MAY	SEP-MA
	Red swamp crawfish River shrimp White shrimp	ABUNDANT		APR-MAY	APR-MAY			
	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab	ABUNDANT PRESENT ABUNDANT	X X X X X X X X X	SEP-NOV	SEP-NOV		MAR-DEC	_
	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab Brown shrimp	ABUNDANT PRESENT		SEP-NOV -		FEB-NOV	MAR-DEC	-
	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab	ABUNDANT PRESENT ABUNDANT ABUNDANT	x x x x x x x x x x x x x x x x x x x	SEP-NOV - -	SEP-NOV	FEB-NOV	MAR-DEC - JAN-DEC	- - JAN-DE
	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab Brown shrimp Grass shrimp	ABUNDANT PRESENT ABUNDANT ABUNDANT COMMON	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SEP-NOV - -	SEP-NOV - -	FEB-NOV -	-	
4	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab Brown shrimp Grass shrimp Squid Stone crab White shrimp	ABUNDANT PRESENT ABUNDANT ABUNDANT COMMON ABUNDANT PRESENT COMMON	X X X X X X X X X X X X X X X X X X X	SEP-NOV - MAR-NOV - APR-NOV	SEP-NOV - - MAR-NOV - -	FEB-NOV - MAR-NOV - MAY-NOV	- JAN-DEC JAN-DEC MAR-JAN	JAN-DE
4	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab Brown shrimp Grass shrimp Squid Stone crab White shrimp Eastern oyster	ABUNDANT PRESENT ABUNDANT ABUNDANT COMMON ABUNDANT PRESENT COMMON PRESENT	X X X X X X X X X X X X X X X X X X X	SEP-NOV - MAR-NOV - APR-NOV MAR-NOV	SEP-NOV - MAR-NOV - MAR-NOV	FEB-NOV - MAR-NOV - MAY-NOV MAR-NOV	- JAN-DEC JAN-DEC MAR-JAN JAN-DEC	JAN-DE - JAN-DE
4	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab Brown shrimp Grass shrimp Squid Stone crab White shrimp	ABUNDANT PRESENT ABUNDANT ABUNDANT COMMON ABUNDANT PRESENT COMMON	X X X X X X X X X X X X X X X X X X X	SEP-NOV - MAR-NOV - APR-NOV MAR-NOV	SEP-NOV - - MAR-NOV - -	FEB-NOV - MAR-NOV - MAY-NOV	- JAN-DEC JAN-DEC MAR-JAN	JAN-DE - JAN-DE
7 8	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab Brown shrimp Grass shrimp Squid Stone crab White shrimp Eastern oyster	ABUNDANT PRESENT ABUNDANT ABUNDANT COMMON ABUNDANT PRESENT COMMON PRESENT	X X X X X X X X X X X X X X X X X X X	SEP-NOV - MAR-NOV - APR-NOV MAR-NOV	SEP-NOV - MAR-NOV - MAR-NOV	FEB-NOV - MAR-NOV - MAY-NOV MAR-NOV	- JAN-DEC JAN-DEC MAR-JAN JAN-DEC	JAN-DE - JAN-DE
7 8 R.I	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab Brown shrimp Grass shrimp Squid Stone crab White shrimp Eastern oyster Eastern oyster	ABUNDANT PRESENT ABUNDANT ABUNDANT COMMON ABUNDANT PRESENT COMMON PRESENT	X X X X X X X X X X X X X X X X X X X	SEP-NOV MAR-NOV - APR-NOV MAR-NOV MAR-NOV	SEP-NOV - MAR-NOV - MAR-NOV	FEB-NOV - MAR-NOV - MAY-NOV MAR-NOV	- JAN-DEC JAN-DEC MAR-JAN JAN-DEC	JAN-DE - JAN-DE
7 8 R.I	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab Brown shrimp Grass shrimp Squid Stone crab White shrimp Eastern oyster Eastern oyster English MAMMAL: Species	ABUNDANT PRESENT ABUNDANT ABUNDANT COMMON ABUNDANT PRESENT COMMON PRESENT PRESENT PRESENT	X X X X X X X X X X X X X X X X X X X	SEP-NOV MAR-NOV - APR-NOV MAR-NOV MAR-NOV	SEP-NOV MAR-NOV - MAR-NOV MAR-NOV	FEB-NOV - MAR-NOV - MAY-NOV MAR-NOV MAR-NOV	JAN-DEC JAN-DEC MAR-JAN JAN-DEC JAN-DEC	JAN-DE - JAN-DE
7 8 RI -3	Red swamp crawfish River shrimp White shrimp Atlantic rangia Blue crab Brown shrimp Grass shrimp Squid Stone crab White shrimp Eastern oyster Eastern oyster	ABUNDANT PRESENT ABUNDANT ABUNDANT COMMON ABUNDANT PRESENT COMMON PRESENT PRESENT	X X X X X X X X X X X X X X X X X X X	SEP-NOV MAR-NOV - APR-NOV MAR-NOV MAR-NOV	SEP-NOV MAR-NOV - MAR-NOV MAR-NOV	FEB-NOV - MAR-NOV - MAY-NOV MAR-NOV MAR-NOV	JAN-DEC JAN-DEC MAR-JAN JAN-DEC JAN-DEC	JAN-DE

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.

126-200 AC/NEST X X X X X X X X X X X X MAY-JUL JUL-SEP

JFMAMJJASOND Nesting Hatching Internesting Juveniles Adults

JAN-DEC JAN-DEC

S F Conc.

RAR# Species

38 American alligator

Louisiana: ESIMAP 98 (cont.)

BIOLOGICAL RESOURCES: (cont.)

REPTILE: (cont.)

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Hatching	Internesting	Juveniles	Adults
177	Diamondback terrapin		X X X X X X X X	-	-	-	-	-
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 X	-	-	-	JAN-DEC	JAN-DEC
	Loggerhead sea turtle	T T COMMON	X X X X X X X X X	-	-	-	MAR-NOV	MAR-NOV

HUMAN USE	RESOURCES:
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BOA	T	DΣ	MD	•

HUN# Name Contact Phone

34 FORT JACKSON BOAT LAUNCH

HELIPORT:

 HUN#
 Name
 Contact
 Phone

 750
 ROBERT L SUGGS

MANAGEMENT AREA:

 HUN#
 Name
 Contact
 Phone

 779
 PUBLIC OYSTER AREA
 LDWF

MARINA:

HUN#

HUN# Name Contact Phone

848 YELLOW COTTON MARINA LOUIS BUCKY MITCHELL

PORT:

Contact

863 PLAQUEMINES PORT MARINE SPILL RESPONSE

WATER INTAKE:
HUN# Name Contact Phone

876 PORT SULPHUR WATER DIST