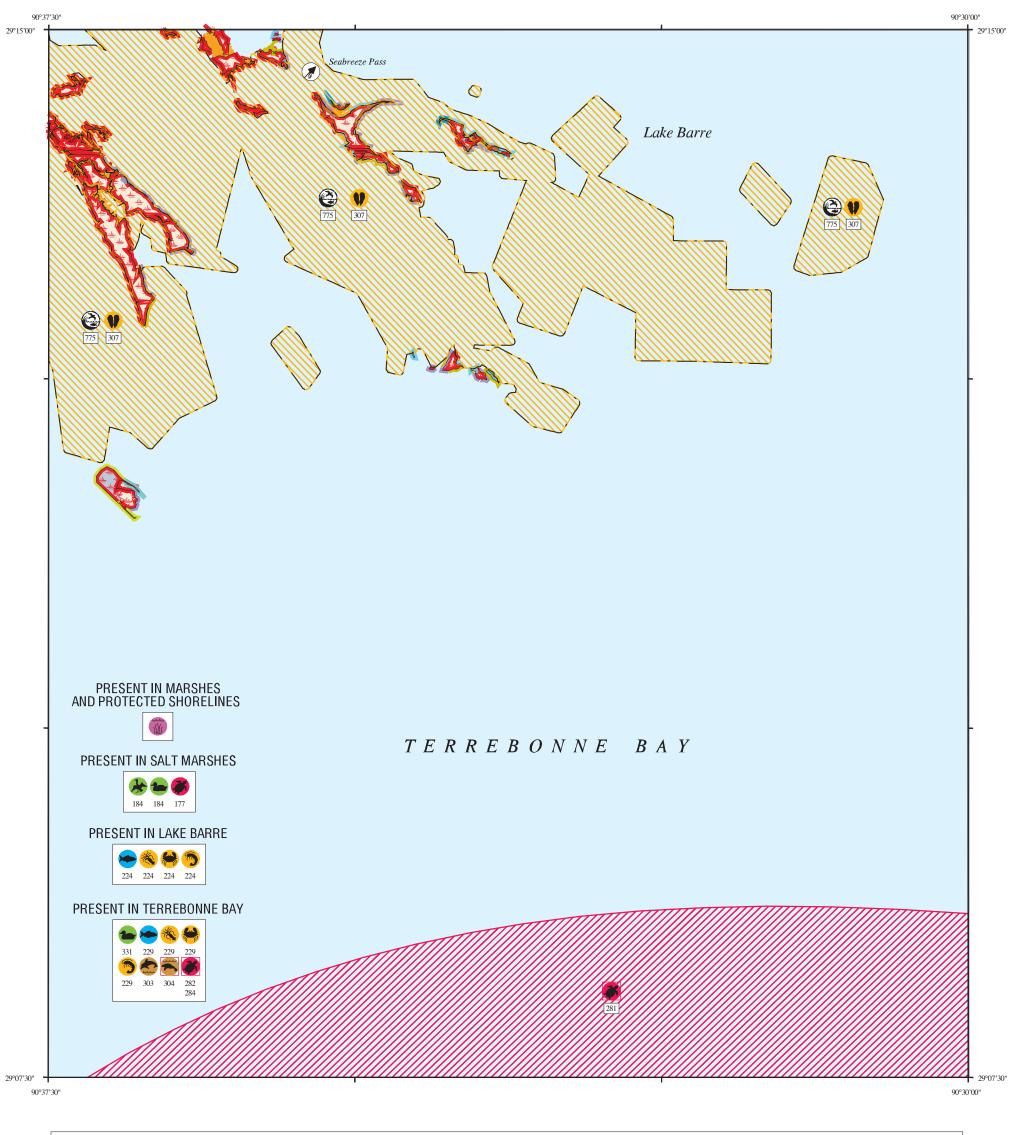
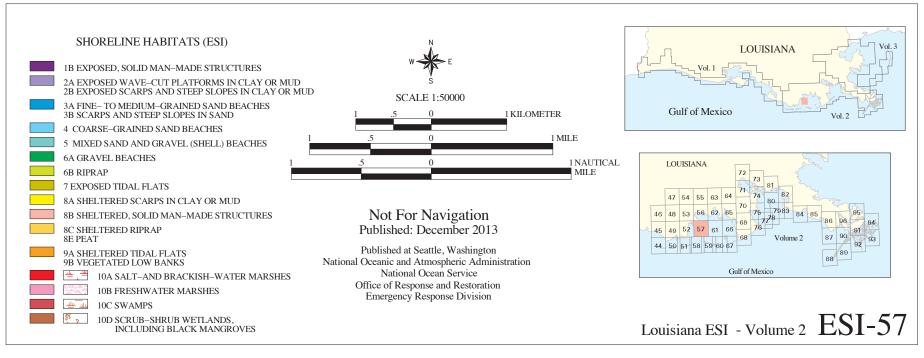
ENVIRONMENTAL SENSITIVITY INDEX MAP





Louisiana: ESIMAP 57

BIOLOGICAL RESOURCES:

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DIKD	•

	Consider	0 F Comp	T T W A W T T A C O W D	Maaki aa	W :	Waltin.	_	
AR#	Species	S F Conc.	J F M A M J J A S O N D	_	Migrating	Molting 	3 - –	
184	American coot	UP TO 2 IND/SQ MI	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	-	-	-		
	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 Blue-winged teal	UP TO 19 IND/SQ MI UP TO 12 IND/SQ MI			_	_		
	Canvasback	UP TO 2 IND/SQ MI	XXX		_	_		
	Gadwall	UP TO 181 IND/SQ MI		-	-	-		
	Green-winged teal	UP TO 232 IND/SQ MI		-	-	-		
	Hooded merganser Mallard	UP TO 8 IND/SQ MI UP TO 4 IND/SQ MI	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	_		
	Mottled duck	UP TO 17 IND/SQ MI	X X X X X X X X X X X X X	MAR-JUN	_	_		
	Northern pintail	UP TO 6 IND/SQ MI	$X \ X \ X \ X$	_	-	-		
	Northern shoveler	UP TO 9 IND/SQ MI	X X X X X X X X X X X	-	-	-		
	Ring-necked duck Scaup	UP TO 9 IND/SQ MI UP TO 468 IND/SQ MI	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		_	_		
31	Scaup	100,000S	X X X X X X X X X	_	_	_		
	-	,						
SH								
R#	Species	S F Conc.	J F M A M J J A S O N D	Spawning		Larvae	Juveniles	Adults
	Anchovies	ABUNDANT	X X X X X X X X X X X X X	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	JAN-DEC
	Atlantic sharpnose shark	HIGHLY ABUNDANT	XXXXXXXX	-		MAY-OCT	MAR-OCT	MAR-OCT
	Atlantic spadefish	ABUNDANT	X X X X X X	_	-	-	-	-
	Atlantic tripletail	PRESENT	X X X X X X X	-	-	-	APR-OCT	APR-OCT
	Black drum	ABUNDANT	X X X X X X X X X X X X X X X X X X X	_	_	- MAY-OCT	JAN-DEC MAR-OCT	JAN-DEC MAR-OCT
	Blacktip shark Bull shark	ABUNDANT ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		MAY-SEP	MAR-SEP	MAK-001 -
	Croakers	HIGHLY ABUNDANT	\times	-	-	-	-	_
	Finetooth shark		X X X X X X X X	-	-	MAY-OCT	MAR-OCT	MAR-OCT
	Forage fish	ABUNDANT	X X X X X X X X X X X X	-	-	-	-	-
	Gafftopsail catfish Gray snapper	ABUNDANT RARE	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-	-	_	- APR-OCT	_
	Gulf menhaden	HIGHLY ABUNDANT	X X X X X X X X X X X X X X X X X X X	_	_	AUG-APR	JAN-DEC	JAN-DEC
	Killifish	ABUNDANT	$\times \times $	APR-SEP	-	-	JAN-DEC	JAN-DEC
	Kingfishes	ABUNDANT	X X X X X X X X	-	-	-	-	-
	Pipefish Red drum	PRESENT ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	_	- JAN-DEC	_
	Shad	ABUNDANT ABUNDANT	X X X X X X X X X X X X X X X X X X X	_	_	_	JAN-DEC	_
	Sheepshead	ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder	HIGHLY ABUNDANT	$ \begin{smallmatrix} X & X & X & X & X & X & X & X & X & X$	-		OCT-MAR	JAN-DEC	JAN-DEC
	Spotted seatrout	ABUNDANT	X X X X X X X X X X X X X X X X X X X	-	-	APR-SEP	JAN-DEC	JAN-DEC
	Striped mullet White trout	ABUNDANT ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	- MAR-SEP	JAN-DEC JAN-DEC	JAN-DEC JAN-DEC
9	Anchovies	ABUNDANT	X X X X X X X X X X X X X X X X X X X	MAR-SEP		MAR-SEP	JAN-DEC	JAN-DEC
	Atlantic sharpnose shark	HIGHLY ABUNDANT	X X X X X X X X X	-	-	MAY-OCT	MAR-OCT	MAR-OCT
	Atlantic spadefish	ABUNDANT	X X X X X	-	-	-	-	-
	Atlantic tripletail Black drum	PRESENT PRESENT	$\begin{array}{c} X \ X \ X \ X \ X \ X \ X \\ X \ X \ X \$	– .TAN – .TIIT	_	- JAN-JUL	APR-OCT JAN-DEC	APR-OCT JAN-DEC
	Blacktip shark	HIGHLY ABUNDANT	XXXXXXXXX	- OAN OOL	_	MAY-OCT	MAR-OCT	MAR-OCT
	Bull shark	ABUNDANT	$\times \times $	-	-	MAY-SEP	MAR-DEC	-
	Cobia	PRESENT	X X	-	-	-	-	-
	Croakers Finetooth shark	HIGHLY ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	- MAY-OCT	- MAR-OCT	- MAR-OCT
	Forage fish	ABUNDANT	X X X X X X X X X X X X X X X X X X X	_	_	MAI-0CI -	MAK-0C1 -	- MAK-0C1
	Gafftopsail catfish	ABUNDANT	XXXX	-	-	-	-	_
	Gray snapper	COMMON	X X X X X	-	-	-	JUL-NOV	-
	Gulf menhaden	ABUNDANT	X X X X X X X X X X X	_		AUG-APR	SEP-JUN	SEP-JUN
	Herrings and sardines Killifish	PRESENT ABUNDANT	$\begin{smallmatrix} & & & \times & \times \\ \times & \times & \times & \times & \times & \times \\ & & & &$		_	-	- JAN-DEC	- JAN-DEC
	Kingfishes	ABUNDANT	X X X X X X X X X X X X X	-	_	_	-	-
	Lane snapper	RARE	X	_	-	-	-	_
	Pipefish	PRESENT	X X X X X X X X X X X X X X	-	-	-	_	_
	Red drum Scalloped hammerhead	COMMON	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	- MAY-OCT	JAN-DEC -	_
	Seahorses	PRESENT	X X X X X X X X X X X X X X X X X X X	_	_	- MAI-UCI	_	_
	Shad	ABUNDANT	X X X		-	-	_	_
	Sheepshead	HIGHLY ABUNDANT	$\times \times $	-	-	-	JAN-DEC	JAN-DEC
	Southern flounder	ABUNDANT	X X X X X X X X X X X X X	-	-	OCT-MAR	JAN-DEC	JAN-DEC
	Spanish mackerel Spotted seatrout	COMMON HIGHLY ABUNDANT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- 7 DD _ CED	_	- APR-SEP	MAR-AUG JAN-DEC	- JAN-DEC
	Striped mullet	ABUNDANT	X X X X X X X X X X X X X X X X X X X	- -	_	- ALV-SEL	JAN-DEC	JAN-DEC
	White trout	ABUNDANT	imes ime	MAR-SEP	-	MAR-SEP	JAN-DEC	JAN-DEC
712:1	RTEBRATE:							
#	Species	S F Conc.	J F M A M J J A S O N D		Eggs	Larvae	Juveniles	Adults
	Atlantic seabob shrimp	COMMON	X	-	-	-	_	-
	Blue crab	ABUNDANT	$\times \times $			APR-NOV	JAN-DEC	JAN-DEC
	Characteristic and the second second				_	FEB-NOV	JAN-DEC	-
	Brown shrimp	HIGHLY ABUNDANT	X X X X X X X X X X X X X X X X X X X	TIIN AIIC			-	_
	Fiddler crab	PRESENT	$\times \times $		- -	_	_	
	-			JUN-AUG -			- FEB-NOV	FEB-NOV
	Fiddler crab Grass shrimp Squid Stone crab	PRESENT ABUNDANT	$\begin{smallmatrix} X&X&X&X&X&X&X&X&X&X&X&X&X&X&X&X&X&X&X&$	JUN-AUG -		-		
	Fiddler crab Grass shrimp Squid Stone crab White shrimp	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV - -	MAR-NOV - -	- MAR-NOV - MAY-NOV	FEB-NOV JAN-DEC JAN-DEC	FEB-NOV JAN-DEC -
9	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV - -	MAR-NOV - - -	- MAR-NOV - MAY-NOV -	FEB-NOV JAN-DEC JAN-DEC	FEB-NOV JAN-DEC -
9	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV - -	MAR-NOV - - -	- MAR-NOV - MAY-NOV	FEB-NOV JAN-DEC JAN-DEC	FEB-NOV JAN-DEC -
9	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV -	MAR-NOV - - - - APR-NOV	MAR-NOV - MAY-NOV - APR-NOV	FEB-NOV JAN-DEC JAN-DEC - JAN-DEC	FEB-NOV JAN-DEC - - JAN-DEC
	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG -	MAR-NOV APR-NOV	MAR-NOV - MAY-NOV - APR-NOV FEB-NOV -	FEB-NOV JAN-DEC JAN-DEC - JAN-DEC JAN-DEC	FEB-NOV JAN-DEC - - JAN-DEC - -
	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG -	MAR-NOV APR-NOV MAR-NOV	MAR-NOV MAY-NOV APR-NOV FEB-NOV MAR-NOV	FEB-NOV JAN-DEC JAN-DEC - JAN-DEC JAN-DEC - JAN-DEC JAN-DEC	FEB-NOV JAN-DEC - JAN-DEC - JAN-DEC - JAN-DEC
	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG -	MAR-NOV APR-NOV MAR-NOV -	MAR-NOV APR-NOV FEB-NOV MAY-NOV FEB-NOV MAR-NOV	FEB-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC	FEB-NOV JAN-DEC - JAN-DEC - JAN-DEC JAN-DEC JAN-DEC
	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV	MAR-NOV APR-NOV MAR-NOV	MAR-NOV MAY-NOV APR-NOV FEB-NOV MAR-NOV	FEB-NOV JAN-DEC JAN-DEC - JAN-DEC JAN-DEC - JAN-DEC JAN-DEC	FEB-NOV JAN-DEC - JAN-DEC - JAN-DEC JAN-DEC
7	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV	MAR-NOV APR-NOV MAR-NOV	MAR-NOV MAY-NOV APR-NOV FEB-NOV MAR-NOV MAY-NOV	FEB-NOV JAN-DEC	FEB-NOV JAN-DEC - JAN-DEC - JAN-DEC JAN-DEC JAN-DEC
7 RII	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster NE MAMMAL:	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV - MAR-NOV	MAR-NOV APR-NOV MAR-NOV - MAR-NOV	MAR-NOV - MAY-NOV - APR-NOV FEB-NOV - MAR-NOV - MAY-NOV MAR-NOV	FEB-NOV JAN-DEC	FEB-NOV JAN-DEC - JAN-DEC - JAN-DEC JAN-DEC JAN-DEC
7 RII #	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster WE MAMMAL: Species	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV - MAR-NOV - MAR-NOV	MAR-NOV APR-NOV MAR-NOV - MAR-NOV - Calving	MAR-NOV - MAY-NOV - APR-NOV FEB-NOV - MAR-NOV MAY-NOV MAR-NOV Pupping	FEB-NOV JAN-DEC Molting	FEB-NOV JAN-DEC - JAN-DEC - JAN-DEC JAN-DEC JAN-DEC
7 RII # -	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster WE MAMMAL: Species	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV - MAR-NOV - MAR-NOV	MAR-NOV APR-NOV MAR-NOV - MAR-NOV - Calving	MAR-NOV - MAY-NOV - APR-NOV FEB-NOV - MAR-NOV MAY-NOV MAR-NOV Pupping	FEB-NOV JAN-DEC Molting	FEB-NOV JAN-DEC - JAN-DEC - JAN-DEC JAN-DEC JAN-DEC
7 RII # - 3	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster WE MAMMAL: Species	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV - MAR-NOV - MAR-NOV	MAR-NOV APR-NOV MAR-NOV - MAR-NOV - Calving	MAR-NOV - MAY-NOV - APR-NOV FEB-NOV - MAR-NOV MAY-NOV MAR-NOV Pupping	FEB-NOV JAN-DEC Molting	FEB-NOV JAN-DEC - JAN-DEC - JAN-DEC JAN-DEC JAN-DEC
7 RII # — 3 4	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster WE MAMMAL: Species Bottlenose dolphin West Indian manatee	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT VERY ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV - MAR-NOV - MAR-NOV	MAR-NOV APR-NOV MAR-NOV - MAR-NOV - Calving	MAR-NOV - MAY-NOV - APR-NOV FEB-NOV - MAR-NOV MAY-NOV MAR-NOV Pupping	FEB-NOV JAN-DEC Molting	FEB-NOV JAN-DEC - JAN-DEC - JAN-DEC JAN-DEC JAN-DEC
7 RII # - 3 4	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster NE MAMMAL: Species Bottlenose dolphin West Indian manatee LLE:	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT ESENT BUNDANT PRESENT BUNDANT PRESENT BUNDANT PRESENT BUNDANT PRESENT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV - MAR-NOV - MAR-NOV	MAR-NOV APR-NOV MAR-NOV - MAR-NOV Calving	MAR-NOV APR-NOV FEB-NOV MAY-NOV MAR-NOV MAY-NOV MAY-NOV MAR-NOV Pupping	FEB-NOV JAN-DEC	FEB-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
7 RII # - 3 4 PT :	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster WE MAMMAL: Species Bottlenose dolphin West Indian manatee	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT VERY ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV - MAR-NOV - MAR-NOV	MAR-NOV APR-NOV MAR-NOV - MAR-NOV - Calving	MAR-NOV APR-NOV FEB-NOV MAY-NOV MAR-NOV MAY-NOV MAY-NOV MAR-NOV Pupping	FEB-NOV JAN-DEC	FEB-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
7 RII # - 3 4 PT :	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster WE MAMMAL: Species Bottlenose dolphin West Indian manatee ILE: Species	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT ESENT BUNDANT PRESENT BUNDANT PRESENT BUNDANT PRESENT BUNDANT PRESENT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV - MAR-NOV - MAR-NOV	MAR-NOV APR-NOV MAR-NOV - MAR-NOV Calving	MAR-NOV APR-NOV FEB-NOV MAY-NOV MAR-NOV MAY-NOV MAY-NOV MAR-NOV Pupping	FEB-NOV JAN-DEC	FEB-NOV JAN-DEC - JAN-DEC - JAN-DEC JAN-DEC JAN-DEC
7 RII # - 3 4 2 T :	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster NE MAMMAL: Species Bottlenose dolphin West Indian manatee LLE:	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT ESENT BUNDANT PRESENT BUNDANT PRESENT BUNDANT PRESENT BUNDANT PRESENT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV - MAR-NOV - MAR-NOV	MAR-NOV APR-NOV MAR-NOV - MAR-NOV Calving	MAR-NOV APR-NOV FEB-NOV MAY-NOV MAR-NOV MAY-NOV MAY-NOV MAR-NOV Pupping	FEB-NOV JAN-DEC	FEB-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
7 RII # - 3 4 PT: # - 7 1 1	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster WE MAMMAL: Species Bottlenose dolphin West Indian manatee ILE: Species Diamondback terrapin Kemp's ridley sea turtle Kemp's ridley sea turtle	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT E E RARE TO UNCOMMON S F Conc. E E ABUNDANT E E ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV - MAR-NOV - MAR-NOV	MAR-NOV APR-NOV MAR-NOV - MAR-NOV Calving	MAR-NOV APR-NOV FEB-NOV MAY-NOV MAR-NOV MAY-NOV MAY-NOV MAR-NOV Pupping	FEB-NOV JAN-DEC APR-SER	FEB-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
7 RIII # - 3 4 PT: 7 1	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster NE MAMMAL: Species Bottlenose dolphin West Indian manatee ILE: Species Diamondback terrapin Kemp's ridley sea turtle Green sea turtle	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT E E RARE TO UNCOMMON S F Conc. E E ABUNDANT E E ABUNDANT T T OCCASIONAL	X X X X X X X X X X X X X X X X X X X	JUN-AUG MAR-NOV APR-NOV JUN-AUG MAR-NOV MAR-NOV Mating - Nesting - - Nesting - - - - - - - - - - - - -	MAR-NOV APR-NOV MAR-NOV - MAR-NOV Calving Hatching	MAR-NOV APR-NOV FEB-NOV MAY-NOV MAR-NOV MAY-NOV MAY-NOV MAR-NOV Pupping Internest	FEB-NOV JAN-DEC APR-SEI MAR-NOV	FEB-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC
7 RII 8# -3 4 PT : 4 7 1 2	Fiddler crab Grass shrimp Squid Stone crab White shrimp Atlantic seabob shrimp Blue crab Brown shrimp Fiddler crab Grass shrimp Squid Stone crab White shrimp Eastern oyster WE MAMMAL: Species Bottlenose dolphin West Indian manatee ILE: Species Diamondback terrapin Kemp's ridley sea turtle Kemp's ridley sea turtle	PRESENT ABUNDANT ABUNDANT PRESENT HIGHLY ABUNDANT COMMON HIGHLY ABUNDANT HIGHLY ABUNDANT PRESENT ABUNDANT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT PRESENT ABUNDANT E E RARE TO UNCOMMON S F Conc. E E ABUNDANT E E ABUNDANT	X X X X X X X X X X X X X X X X X X X	JUN-AUG - MAR-NOV APR-NOV - JUN-AUG - MAR-NOV MAR-NOV Mating Nesting	MAR-NOV APR-NOV MAR-NOV - MAR-NOV Calving	MAR-NOV APR-NOV FEB-NOV - MAY-NOV MAR-NOV MAY-NOV MAR-NOV Pupping Internest	FEB-NOV JAN-DEC APR-SER	FEB-NOV JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC JAN-DEC 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 57 (cont.)

BIOLOGICAL RESOURCES: (cont.)

HUMAN USE RESOURCES:

MANAGEMENT AREA:

'5 OYSTER LEASE LDWF - OYSTER LEASE SURVEY SECTION