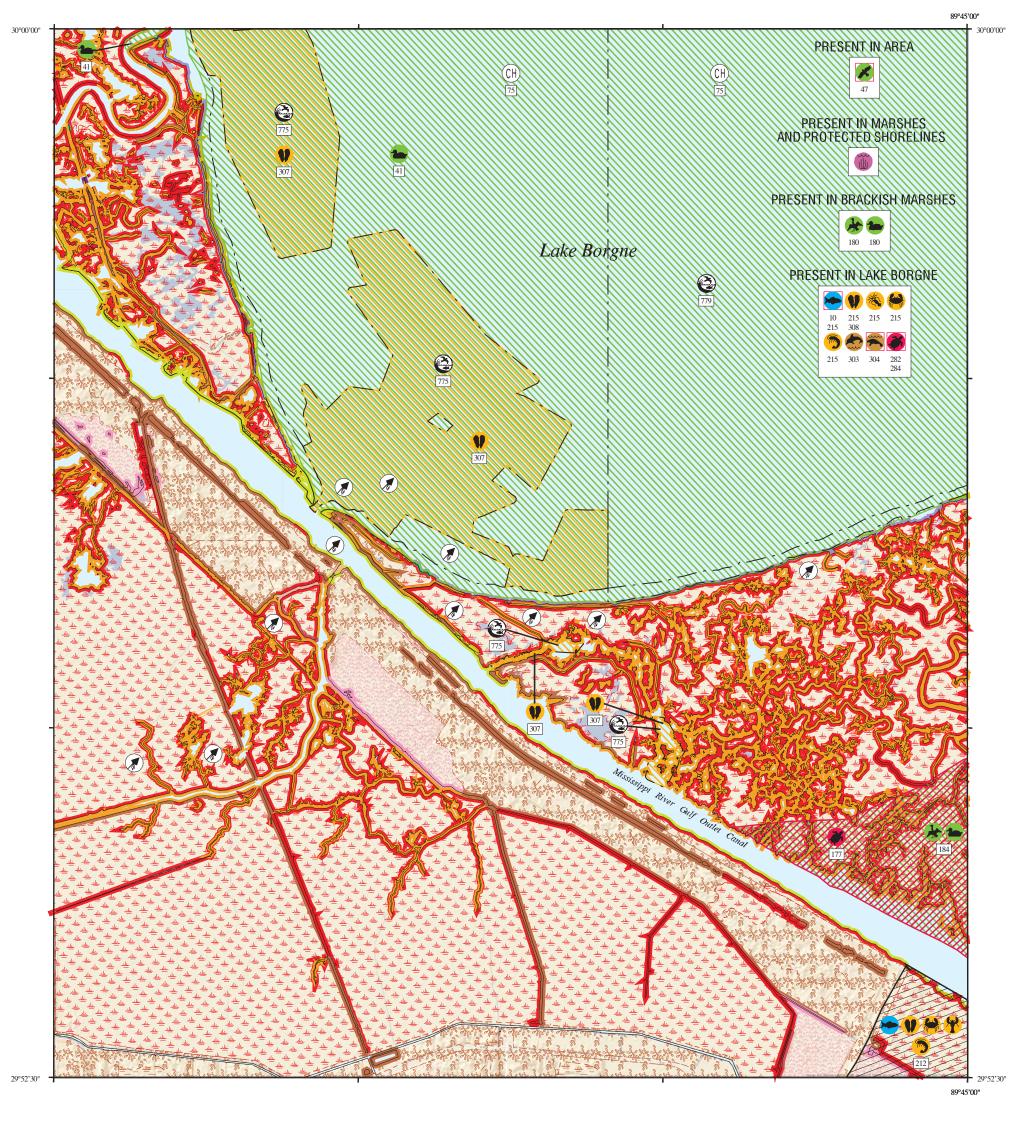
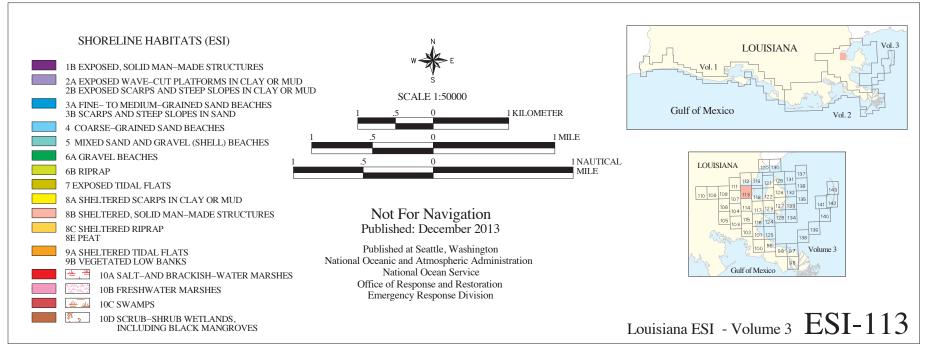
## ENVIRONMENTAL SENSITIVITY INDEX MAP





# Louisiana: ESIMAP 113 BIOLOGICAL RESOURCES:

#### BIRD:

Aleniet tripletal	BIRD	:								
1	RAR#	Species	SE	Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting		
1	41	Scaup		10.0008	× × × × × × × × × ×				_	
March   Marc		=	E	· · · · · · · · · · · · · · · · · · ·			-	-		
Company	180	American coot				-	-	-		
Part		=				-	-	-		
Communication						_	_	_		
Part						_	_	_		
Figure						_	-	-		
March   19						-	-	-		
Marchand Standard   1998   1							_	-		
Part							_	_		
Marchen stormune							_	_		
1		<del>_</del>				_	_	_		
14   Maritima scient		Ring-necked duck		UP TO 26 IND/SQ MI		-	-	-		
## STATE OF THE PROPER OF THE PROPER OF THE PROPER OF THE PROPERTY OF THE PROP	104					-	_	-		
Marciscon Marciscon   UP 20 20 20 20 20 20 20 20 20 20 20 20 20	184					_	_	_		
Benevision file		<del>_</del>				_	_	_		
Decoration					$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	_	_	_		
Company						-	-	-		
Ministry						_	_	_		
Medicard   Michael   Mic						_	_	_		
Monthmer personal		Mallard		UP TO 4 IND/SQ MI	$X X X X \qquad \qquad X X X$	-	-	-		
Control   Cont						MAR-JUN	-	-		
FESSE:  FESSE:    1		±				_	_	_		
Property						_	_	_		
March   Marc		<del>-</del>				_	_	_		
March   Marc		-								
Total			C 1	Cono	TEMAMITACOND	Constant	Ease	T 0 m 0	Turnani laa	3 du 1 + a
State   Stat										
### Administration of the company of		-	ТТ			-	-	-	-	
Actionated   Actionation   Actionated   Acti	212									-
## STATE OF THE PROPERTY										JAN-DEC JAN-DEC
# AURILLAND   AURILLAND   A A A A A A X X X X X     AURILLAND							-			APR-OCT
December		<del>_</del>				-	-	JAN-JUL		JAN-DEC
Michael										JAN-DEC
Second   Processor   Process										
Craphe   PRESENT								MAR-NOV	JAN-DEC	
The least of the content								_	_	JAN-DEC
Package and fish		Crappie		PRESENT	$\times \times $	FEB-MAY	FEB-MAY	FEB-JUN	JAN-DEC	JAN-DEC
Produkter drim						_	_	-	-	-
Confirmation						_	_	_	_	_
Solid methods						_	_		_	_
Kingfisher		±				_	_	AUG-APR	JAN-DEC	JAN-DEC
Forgenouth base						APR-SEP	-			JAN-DEC
Londmose war		3				-				
Production										JAN-DEC JAN-DEC
Pipelish		2 2								
Shed						_	-	-	-	-
Sheepshead										
Southern flounder										JAN-DEC
Spotted gaar		-								JAN-DEC JAN-DEC
Spotted seatrout										JAN-DEC
Milice bass		Spotted seatrout		ABUNDANT	$\times \times $	_	_	-	JAN-DEC	JAN-DEC
White trout		-					-			JAN-DEC
ALICHOVIES										
Alantic tripletail	215									JAN-DEC JAN-DEC
Bull shark										APR-OCT
Cobia						-				JAN-DEC
Croakers						_	_			_
Forage fish						_	<u>-</u>	_		_
Gray snapper						_	_	_	_	_
Gulf menhaden		-		ABUNDANT	$\times \times $	-	-	-	-	-
Kilifish						-	_			
Kingfishes							- -			JAN-DEC JAN-DEC
Linghose gar							_			
Pipefish		Lane snapper		RARE	X	-	-	-		-
Red drum						MAR-APR	MAR-APR			JAN-DEC
Scalloped hammerhead		-				_	_			
Shad				COMMON		_				
Southern flounder				ABUNDANT		_			_	_
Spanish mackerel				HIGHLY ABUNDANT		_				JAN-DEC
Spotted gar   RARE   X X X X X X X X X X X X X X MAR-APR   MAR-A										JAN-DEC
Spotted seatrout   ABUNDANT   X X X X X X X X X X X X X X X X X X		=								- JAN-DEC
Striped mullet										JAN-DEC
Note		-								JAN-DEC
S   S   C   C   S   F   C   C   S   F   C   C   S   F   C   C   S   F   C   C   C   C   C   C   C   C   C		-					-			
RAR#         Species         SF Conc.         JFMAMJJASOND         Spawning         Eggs         Larvae         Juveniles         Adult           212         Atlantic rangia         PRESENT         X X X X X X X X X X X X X X X X A ARR-NOV         -         MAR-NOV         JAN-DEC         <		White trout		ABUNDANT	X X X X X X X X X X X X X	MAR-SEP	_	MAR-SEP	JAN-DEC	JAN-DEC
Atlantic rangia	INVE	RTEBRATE:								
Atlantic rangia		=								Adults
Blue crab   ABUNDANT   X X X X X X X X X X X X X X X X X X										JAN-DEC
Brown shrimp	<u> </u>	<del>_</del>								JAN-DEC
Fiddler crab PRESENT X X X X X X X 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 X X X X X X X X		Fiddler crab		PRESENT	$\times \times $		-	-		
River shrimp   PRESENT   X X X X X X X X X X X X X X X X X X		<u> </u>								
White shrimp         ABUNDANT         X X X X X X X X X X X X X X X X X X X										JAN-DEC JAN-DEC
215 Atlantic rangia PRESENT X X X X X X X X X X X X X X X X X X X		<del>_</del>								
Brown shrimp         ABUNDANT         X X X X X X X X X X X X X X X X X X X	215	<del>_</del>								JAN-DEC
Fiddler crab PRESENT X X X X X X X X X X X JUN-AUG		Blue crab		ABUNDANT	$\times \times $	APR-NOV			JAN-DEC	JAN-DEC
		<u> </u>					-			-
							-			-
		<u>.</u>			11 11 11 11					

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 113 (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
215	Pink shrimp	RARE	X X	-	-	-	-	-
	Squid	ABUNDANT	imes  ime	-	-	-	JAN-DEC	JAN-DEC
	White shrimp	ABUNDANT	X X X X X X X X X X X X X X	_	-	MAY-NOV	JAN-DEC	-
307	Eastern oyster	PRESENT	X   X   X   X   X   X   X   X   X   X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
308	Eastern oyster	PRESENT	$\times \times $	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC
MARI	NE 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	imes  ime	-	-	-	-	
304	West Indian manatee	E E RARE TO UNCOMMON	$\times \times $	-	-	-	_	
REPT	ILE:							

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Hatching	Internesting	Juveniles	Adults
177								
1//	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	imes  ime	-	-	-	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:

#### CRITICAL HABITAT:

HUN#	Name	Contact	Phone
75	GULF STURGEON CRITICAL HABITAT	USFWS/NMFS	

MANAGEMENT AREA:								
HUN#	Name	Contact	Phone					
775	OYSTER LEASE	LDWF - OYSTER LEASE SURVEY SECTION						
779	PUBLIC OYSTER AREA	LDWF						

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