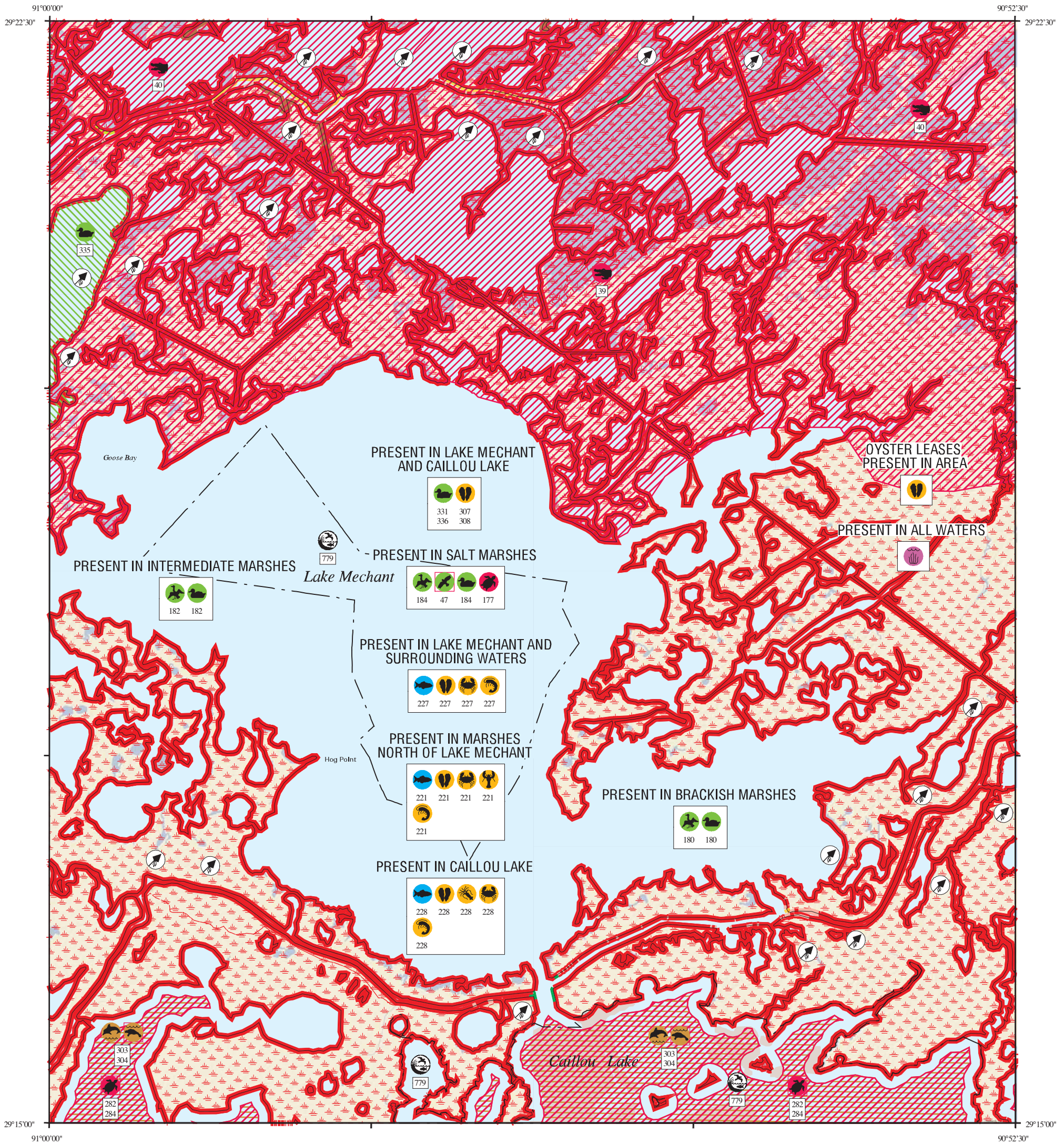


ENVIRONMENTAL SENSITIVITY INDEX MAP



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 1 KILOMETER

1 0.5 0 1 MILE

1 0.5 0 1 NAUTICAL MILE

LOUISIANA

Gulf of Mexico

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Louisiana: ESIMAP 46 (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
227	Gulf menhaden	HIGHLY 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	APR-SEP	-	-	JAN-DEC	JAN-DEC	
	King mackerel	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Kingfishes	ABUNDANT	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	JAN-MAY	-	-	JAN-DEC	JAN-DEC	
	Pipefish	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Red drum	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-	
	Shad	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Sheepshead	ABUNDANT	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	-	-	-	JAN-DEC	JAN-DEC	
	Spanish mackerel	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-OCT	-	
	Spotted gar	COMMON	X	X	X	X	X	X	X	X	X	X	X	MAR-APR	MAR-APR	MAR-APR	MAR-JUN	JAN-DEC	
	Spotted seatrout	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Striped mullet	ABUNDANT	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	-	-	-	JAN-DEC	JAN-DEC	
228	Anchovies	ABUNDANT	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	X	X	X	-	-	-	-	-	
	Atlantic tripletail	PRESENT	X	X	X	X	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	-	-	-	JAN-DEC	JAN-DEC	
	Bull shark	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-SEP	JAN-DEC	-	
	Croakers	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Forage fish	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Gafftopsail catfish	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Gray snapper	RARE	X	X	X	X	X	X	X	X	X	X	X	-	-	-	OCT-NOV	-	
	Gulf menhaden	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Herrings and sardines	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Killifish	ABUNDANT	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	-	-	-	-	-	
	Lane snapper	RARE	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Red drum	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-	
	Shad	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
	Southern flounder	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	OCT-MAR	JAN-DEC	JAN-DEC	
	Spanish mackerel	COMMON	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-JUL	-	
	Spotted gar	HIGHLY ABUNDANT	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	APR-SEP	-	APR-SEP	JAN-DEC	JAN-DEC	
	Striped mullet	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC	
	Tarpon	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	-	
	White trout	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	MAR-SEP	JAN-DEC	JAN-DEC	

INVERTEBRATE:

RAR#	Species	S F Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
221	Atlantic rangia	PRESENT	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	APR-NOV	APR-NOV	APR-NOV	MAR-NOV	MAR-NOV	
	Brown shrimp	PRESENT	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-NOV	FEB-DEC	-	
	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	X	-	-	MAY-OCT	MAR-NOV	-	
227	Atlantic rangia	PRESENT	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	X	X	X	X	X	X	-	-	-	-	-	
	Blue crab	HIGHLY ABUNDANT	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	-	-	FEB-NOV	JAN-DEC	-	
	Fiddler crab	PRESENT	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	-	-	-	-	-	
	White shrimp	HIGHLY ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	MAY-NOV	JAN-DEC	-	
228	Atlantic rangia	PRESENT	X	X	X	X	X	X	X	X	X	X	X	MAR-NOV	-	MAR-NOV	JAN-DEC	JAN-DEC	
	Blue crab	HIGHLY ABUNDANT	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	-	-	FEB-NOV	JAN-DEC	-	
	Fiddler crab	PRESENT	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	-	-	-	-	-	
	Squid	ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAR-OCT	MAR-OCT	
	White shrimp	HIGHLY ABUNDANT	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	X	MAR-NOV	MAR-NOV	MAR-NOV	JAN-DEC	JAN-DEC	
308	Eastern oyster	PRESENT	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	-	-	-	-	
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	Internesting	Juveniles	Adults
39	American alligator	76-125 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	JUL-SEP	-	-	JAN-DEC	JAN-DEC
40	American alligator	<75 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	JUL-SEP	-	-	JAN-DEC	JAN-DEC
177	Diamondback terrapin	ABUNDANT	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	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	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:

MANAGEMENT AREA:

HUN#	Name	Contact	Phone
779	PUBLIC OYSTER AREA	LDWF	

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.