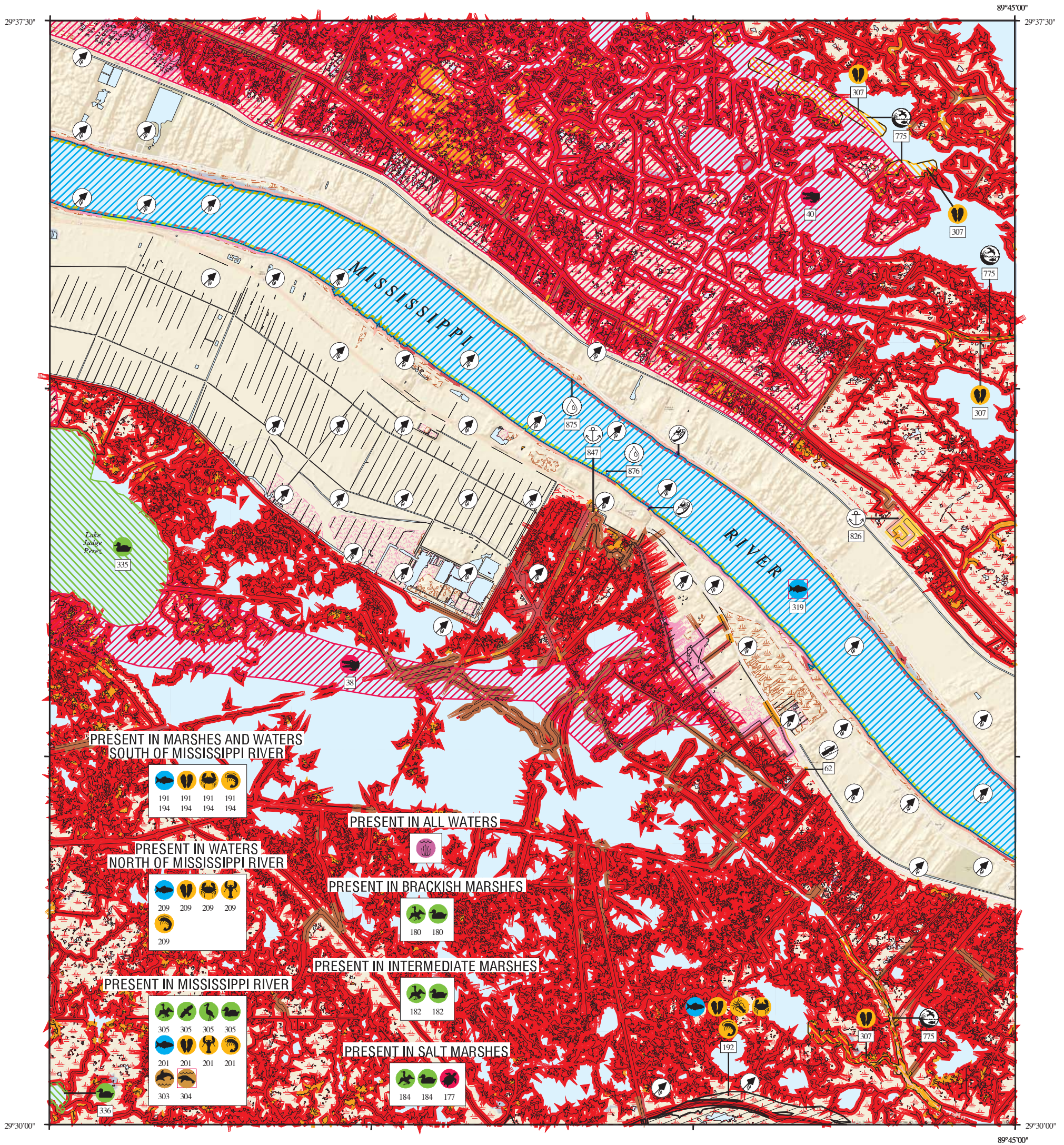


ENVIRONMENTAL SENSITIVITY INDEX MAP



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

N
W E
S

SCALE 1:50000

1 .5 0 1 KILOMETER

1 .5 0 1 MILE

1 .5 0 1 NAUTICAL MILE

Not For Navigation
Published: December 2013

Published at Seattle, Washington
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Response and Restoration
Emergency Response Division

LOUISIANA

Vol. 1 Vol. 2 Vol. 3

Gulf of Mexico

LOUISIANA

Volume 3

Gulf of Mexico

Louisiana ESI - Volume 3 **ESI-102**

Louisiana: ESIMAP 102

BIOLOGICAL RESOURCES:

BIRD:

Table with columns: RAR#, Species, S F Conc., J F M A M J J A S O N D, Nesting, Migrating, Molting. Rows include species like American coot, American white pelican, American wigeon, Blue-winged teal, Canvasback, Gadwall, Green-winged teal, Hooded merganser, Mallard, Mottled duck, Northern pintail, Northern shoveler, Ring-necked duck, Scaup.

FISH:

Table with columns: RAR#, Species, S F Conc., J F M A M J J A S O N D, Spawning, Eggs, Larvae, Juveniles, Adults. Rows include species like Alligator gar, Anchovies, Atlantic spadefish, Black drum, Bull shark, Crappie, Croakers, Flathead catfish, Forage fish, Gafftopsail catfish, Gray snapper, Gulf menhaden, Herrings and sardines, Killifish, Kingfishes, Largemouth bass, Red drum, Seahorses, Shad, Sheepshead, Southern flounder, Spanish mackerel, Spotted gar, Spotted seatrout, Striped mullet, White trout.

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.

Louisiana: ESIMAP 102 (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 |
|------|------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---------|----------|---------|---------|-----------|--------|
| 191 | 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 | JUN-AUG | - | - | - | - | |
| | Grass shrimp | HIGHLY ABUNDANT | 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 | - | - | MAR-NOV | JAN-DEC | - | |
| 192 | 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 | - | - | - | - | - | |
| | 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-NOV | MAR-NOV | MAR-NOV | JAN-DEC | JAN-DEC | |
| | Stone crab | COMMON | X | X | X | X | X | X | X | X | X | X | X | - | - | - | JAN-DEC | JAN-DEC | |
| | White shrimp | ABUNDANT | X | X | X | X | X | X | X | X | X | X | X | - | - | MAR-NOV | JAN-DEC | - | |
| 194 | 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 | ABUNDANT | X | X | X | X | X | X | X | X | X | X | X | - | - | FEB-OCT | FEB-OCT | - | |
| | 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 | - | - | - | - | - | |
| | River shrimp | HIGHLY ABUNDANT | X | X | X | X | | | | | | | | APR-JUL | - | APR-JUL | - | APR-JUL | |
| | Stone crab | PRESENT | 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 | - | - | MAR-NOV | JAN-DEC | - | |
| 201 | Atlantic rangia | PRESENT | 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 | MAR-MAY | JAN-DEC | JAN-DEC | JAN-DEC | JAN-DEC | |
| | River shrimp | ABUNDANT | X | X | X | X | X | X | X | X | X | X | X | - | - | APR-JUL | JUL-SEP | JAN-DEC | |
| 209 | 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 | JAN-DEC | JAN-DEC | |
| | Brown shrimp | ABUNDANT | X | X | X | X | X | X | X | X | X | X | X | - | - | FEB-OCT | MAR-OCT | - | |
| | 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 | - | - | - | - | - | |
| | 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-NOV | MAR-NOV | - | |
| 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 | |

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 | X | - | - | - | - |
| 304 | West Indian manatee | E E RARE TO UNCOMMON | X | 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 | 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 | X | MAY-JUL | JUL-SEP | - | JAN-DEC | JAN-DEC |
| 177 | Diamondback terrapin | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | - | - |

HUMAN USE RESOURCES:

BOAT RAMP:

| HUN# | Name | Contact | Phone |
|------|---------------------------|---------|-------|
| 62 | ST. JUDE HUMP BOAT LAUNCH | | |

MANAGEMENT AREA:

| HUN# | Name | Contact | Phone |
|------|--------------|------------------------------------|-------|
| 775 | OYSTER LEASE | LDWF - OYSTER LEASE SURVEY SECTION | |

MARINA:

| HUN# | Name | Contact | Phone |
|------|-------------------------------------|---------------|--------------|
| 826 | POINT A LA HACHE MARINA BOAT LAUNCH | NEIL BESHEL | 504/333-4469 |
| 847 | WEST POINT A LA HACHE MARINA | BENNY ROUSELL | 504/564-2761 |

WATER INTAKE:

| HUN# | Name | Contact | Phone |
|------|-------------------------|---------|-------|
| 875 | POINTE A LA HACHE W S | | |
| 876 | PORT SULPHUR WATER DIST | | |

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.