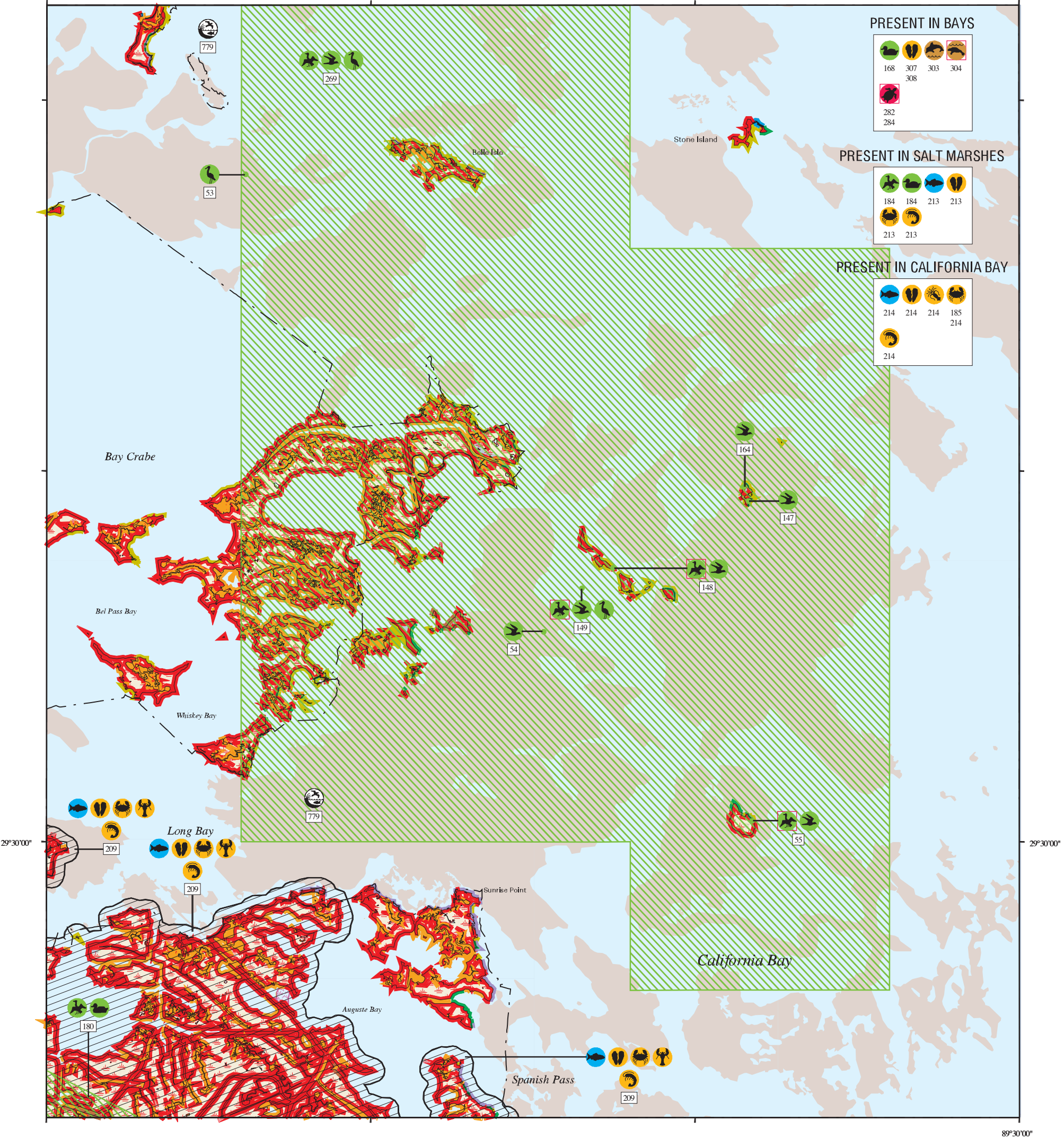


# ENVIRONMENTAL SENSITIVITY INDEX MAP

89°30'00"



29°30'00"

89°30'00"

## 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

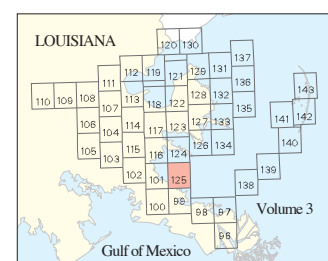


SCALE 1:50000



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Emergency Response Division





**Louisiana: ESIMAP 125 (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 |
|------|--------------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---------|----------|---------|---------|-----------|--------|
| 213  | Kingfishes               | ABUNDANT        | X | X | X | X | X | X | X | X | X | X | X | X       | -        | -       | -       | -         | -      |
|      | Red drum                 | ABUNDANT        | X | X | X | X | X | X | X | X | X | X | X | -       | -        | AUG-OCT | 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 | -       | -        | OCT-MAR | JAN-DEC | JAN-DEC   |        |
|      | Spanish mackerel         | COMMON          | X | X | X | X | X | X | X | X | X | X | X | -       | -        | -       | MAR-OCT | -         |        |
|      | 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   |        |
|      | White trout              | ABUNDANT        | X | X | X | X | X | X | X | X | X | X | X | MAR-SEP | -        | MAR-SEP | JAN-DEC | JAN-DEC   |        |
| 214  | Anchovies                | COMMON          | 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 | X | X | X | X | X | X | X | X | X | X | X | -       | -        | MAY-OCT | MAR-OCT | MAR-OCT   |        |
|      | Atlantic spadefish       | RARE            | 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-JUL | -        | JAN-JUL | JAN-DEC | JAN-DEC   |        |
|      | Blacktip shark           | COMMON          | X | X | X | X | X | X | X | X | X | X | X | -       | -        | MAY-OCT | MAR-OCT | MAR-OCT   |        |
|      | Bull shark               | COMMON          | X | X | X | 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 | -       | -        | -       | -       | -         |        |
|      | Finetooth shark          | ABUNDANT        | X | X | X | X | X | X | X | X | X | X | X | -       | -        | MAY-OCT | MAR-OCT | MAR-OCT   |        |
|      | Forage fish              | HIGHLY ABUNDANT | 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             | COMMON          | X | X | X | X | X | X | X | X | X | X | X | -       | -        | -       | JUL-NOV | -         |        |
|      | Gulf menhaden            | HIGHLY 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                | COMMON          | 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 | -       | -        | -       | -       | -         |        |
|      | Pipefish                 | PRESENT         | X | X | X | X | X | X | X | X | X | X | X | -       | -        | -       | -       | -         |        |
|      | Red drum                 | ABUNDANT        | X | X | X | X | X | X | X | X | X | X | X | -       | -        | AUG-OCT | JAN-DEC | -         |        |
|      | Scalloped hammerhead     | ABUNDANT        | X | X | X | X | X | X | X | X | X | X | X | -       | -        | MAY-OCT | -       | -         |        |
|      | Seahorses                | PRESENT         | X | X | X | X | X | X | X | X | X | X | X | -       | -        | -       | -       | -         |        |
|      | Shad                     | ABUNDANT        | X | X | X | X | X | X | X | X | X | X | X | -       | -        | -       | -       | -         |        |
|      | Sheepshead               | PRESENT         | X | X | X | X | X | X | X | X | X | X | X | -       | -        | -       | JAN-DEC | JAN-DEC   |        |
|      | Southern flounder        | PRESENT         | 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-SEP | -         |        |
|      | Spotted seatrout         | HIGHLY 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                   | PRESENT         | X | X | X | X | X | X | X | X | X | X | X | -       | -        | -       | MAY-NOV | -         |        |
|      | White trout              | COMMON          | 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 |
|------|--------------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---------|----------|---------|---------|-----------|--------|
| 185  | Blue crab          | HIGH SPAWNING CONC | X | X | X | X | X | X | X | X | X | X | X | X       | JUN-AUG  | -       | -       | -         | -      |
| 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 | -         |        |
| 213  | 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  | -       | JAN-DEC | JAN-DEC   |        |
|      | Brown shrimp       | ABUNDANT           | X | X | X | X | X | X | X | X | X | X | X | -       | -        | FEB-NOV | MAR-JAN | -         |        |
|      | 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       | ABUNDANT           | X | X | X | X | X | X | X | X | X | X | X | -       | -        | MAY-NOV | JAN-DEC | -         |        |
| 214  | 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-MAY | APR-MAY  | APR-MAY | SEP-MAY | SEP-MAY   |        |
|      | Brown shrimp       | ABUNDANT           | X | X | X | X | X | X | X | X | X | X | X | -       | -        | FEB-NOV | MAR-DEC | -         |        |
|      | Grass shrimp       | COMMON             | 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         | PRESENT            | X | X | X | X | X | X | X | X | X | X | X | -       | -        | -       | JAN-DEC | JAN-DEC   |        |
|      | White shrimp       | COMMON             | X | X | X | X | X | X | X | X | X | X | X | APR-NOV | -        | MAY-NOV | MAR-JAN | -         |        |
| 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 | 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 | Internesting | Juveniles | Adults  |
|------|--------------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---------|----------|--------------|-----------|---------|
| 282  | Kemp's ridley sea turtle | E E ABUNDANT   | X | 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 | X | -       | -        | -            | MAR-NOV   | MAR-NOV |
|      | Hawksbill sea turtle     | E E VERY RARE  | X | 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 | X | -       | -        | -            | JAN-DEC   | JAN-DEC |
|      | Loggerhead sea turtle    | T T COMMON     | X | 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.