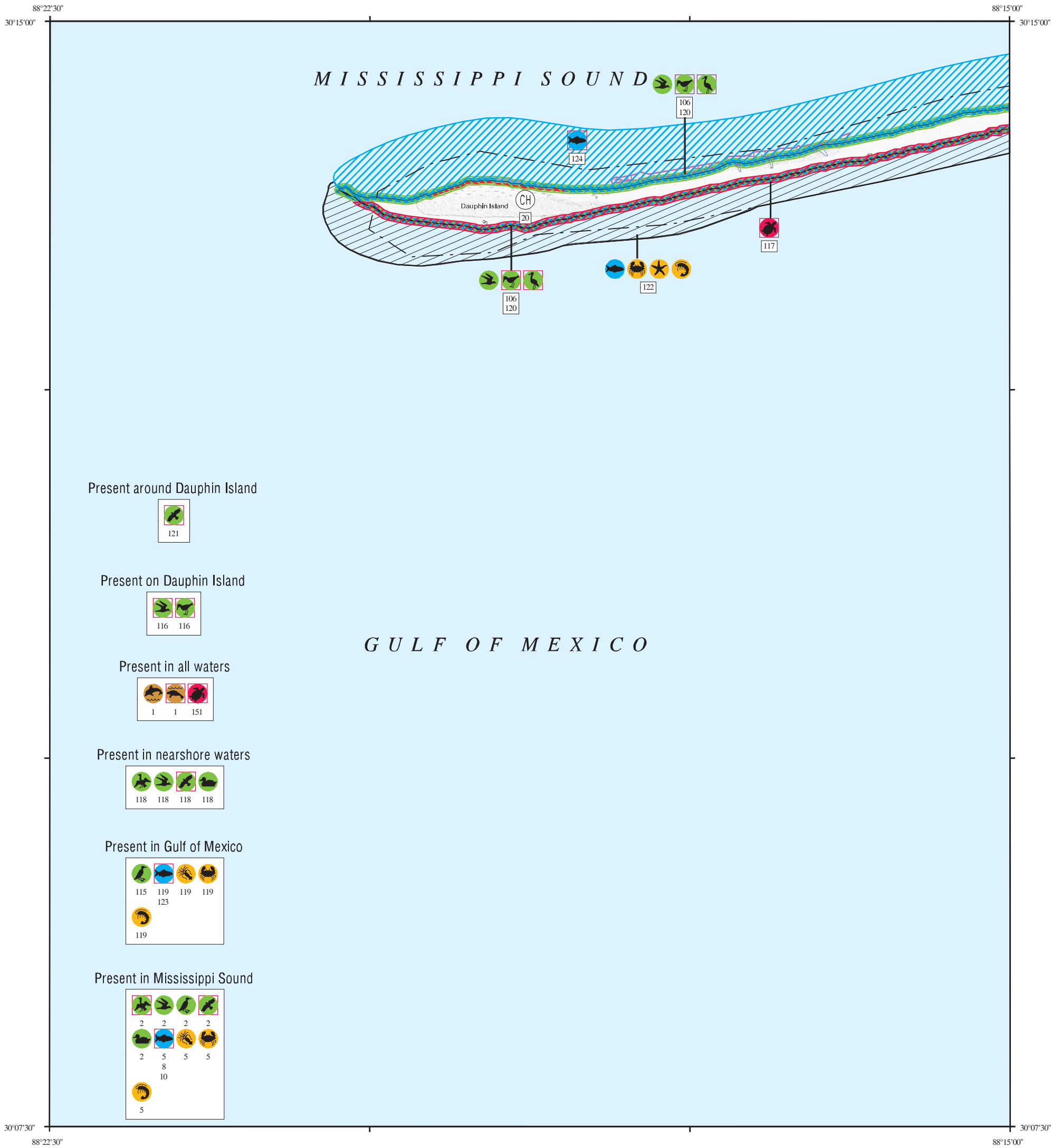


# ENVIRONMENTAL SENSITIVITY INDEX MAP



Present around Dauphin Island



Present on Dauphin Island



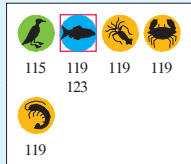
Present in all waters



Present in nearshore waters



Present in Gulf of Mexico



Present in Mississippi Sound



## SHORELINE HABITATS (ESI)

- 1B EXPOSED, SOLID MAN-MADE STRUCTURES
- 2A EXPOSED WAVE-CUT PLATFORMS IN MUD OR CLAY
- 2B EXPOSED SCARPS AND STEEP SLOPES IN CLAY
- 3A FINE-TO MEDIUM-GRAINED SAND BEACHES
- 3B SCARPS AND STEEP SLOPES IN SAND
- 4 COARSE-GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED SCARPS IN MUD OR CLAY
- 8B SHELTERED, SOLID MAN-MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 9A SHELTERED TIDAL FLATS
- 9B SHELTERED, VEGETATED LOW BANKS
- 10A SALT-AND BRACKISH-WATER MARSHES
- 10B FRESHWATER MARSHES
- 10C SWAMPS
- 10D SCRUB-SHRUB WETLANDS

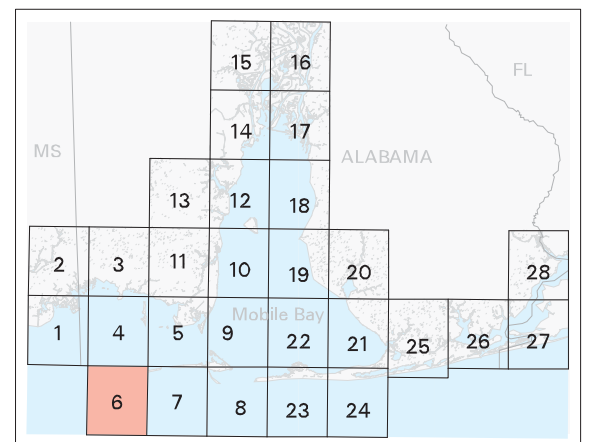


SCALE 1:50000



Not For Navigation  
Published: August 2007

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



Alabama: ESIMAP 6

BIOLOGICAL RESOURCES:

BIRD:

| RAR# | Species                  | S F Conc. | J | F | M | A | M | J | J | A | S | O | N | D | Nesting | Migrating | Molting |   |
|------|--------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---------|-----------|---------|---|
| 2    | American white pelican   | P         | X | X | X | X |   |   |   |   |   |   | X | X | X       | -         | -       | - |
|      | Bonaparte's gull         |           | X | X | X | X | X |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Brown pelican            |           | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Bufflehead               |           | X | X | X |   |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Canvasback               |           | X | X | X |   |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Common goldeneye         |           | X | X | X |   |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Common loon              |           | X | X | X | X |   |   |   |   |   | X | X | X | X       | -         | -       |   |
|      | Forster's tern           |           | X | X | X | X |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Herring gull             |           | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Horned grebe             |           | X | X | X | X | X |   |   |   |   | X | X | X | -       | -         | -       |   |
|      | Laughing gull            |           | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Least tern               |           | X | X | X | X |   |   |   |   |   | X | X | X | X       | -         | -       |   |
|      | Lesser scaup             |           | X | X | X |   |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Magnificent frigatebird  |           |   |   | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Northern gannet          |           | X | X | X | X |   |   |   |   |   | X | X | X | -       | -         | -       |   |
|      | Osprey                   | P         | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Redhead                  |           | X | X | X |   |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Ring-billed gull         |           | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Royal tern               |           | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
| 106  | Black tern               |           | X | X | X | X |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Black-bellied plover     |           | X | X | X | X |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Dunlin                   |           | X | X | X | X |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Greater yellowlegs       |           | X | X | X | X |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Least sandpiper          |           | X | X | X | X |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Red knot                 |           | X | X | X | X |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Reddish egret            | P         | X | X | X | X | X | X | X | X | X | X | X | X | APR-JUN | -         | -       |   |
|      | Ruddy turnstone          |           | X | X | X |   |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Sanderling               |           | X | X | X | X |   |   |   |   |   | X | X | X | -       | -         | -       |   |
|      | Sandwich tern            |           |   | X | X | X | X | X | X | X | X | X | X | X | JUN-JUL | -         | -       |   |
|      | Semipalmated plover      |           | X | X | X | X |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Semipalmated sandpiper   |           | X | X | X | X |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Spotted sandpiper        |           | X | X | X | X |   |   |   |   |   | X | X | X | -       | -         | -       |   |
|      | Western sandpiper        |           | X | X | X | X |   |   |   |   |   | X | X | X | -       | -         | -       |   |
|      | Willet                   |           | X | X | X | X | X | X | X | X | X | X | X | X | MAY-JUL | -         | -       |   |
| 115  | Magnificent frigatebird  |           |   |   | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Northern gannet          | COMMON    | X | X | X | X |   |   |   |   |   |   | X | X | X       | -         | -       |   |
| 116  | Black skimmer            | 100 PAIRS | X | X | X | X | X | X | X | X | X | X | X | X | MAY-JUL | -         | -       |   |
|      | Caspian tern             | 25 PAIRS  | X | X | X | X | X | X | X | X | X | X | X | X | JUN-JUL | -         | -       |   |
|      | Gull-billed tern         | 25 PAIRS  |   | X | X | X | X | X | X | X | X | X | X | X | MAY-JUL | -         | -       |   |
|      | Least tern               | 100 PAIRS |   | X | X | X | X | X | X | X | X | X | X | X | MAY-JUL | -         | -       |   |
|      | Piping plover            | P T       | X | X | X |   |   |   |   |   |   | X | X | X | X       | -         | -       |   |
|      | Royal tern               | 75 PAIRS  | X | X | X | X | X | X | X | X | X | X | X | X | JUN-JUL | -         | -       |   |
|      | Snowy plover             | P         | X | X | X | X | X | X | X | X | X | X | X | X | MAY-AUG | -         | -       |   |
|      | Wilson's plover          | P         |   | X | X | X | X | X | X | X | X | X | X | X | MAY-JUL | -         | -       |   |
| 118  | Bonaparte's gull         |           | X | X | X | X |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Brown pelican            |           | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Common loon              |           | X | X | X | X |   |   |   |   |   |   | X | X | X       | -         | -       |   |
|      | Double-crested cormorant |           | X | X | X |   |   |   |   |   |   |   | X | X | X       | -         | -       |   |
|      | Herring gull             |           | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Laughing gull            |           | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Osprey                   | P         | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Red-breasted merganser   |           | X | X | X |   |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | Ring-billed gull         |           | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Royal tern               |           | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |
|      | Surf scoter              |           | X | X |   |   |   |   |   |   |   |   | X | X | -       | -         | -       |   |
|      | White-winged scoter      |           | X | X |   |   |   |   |   |   |   |   | X | X | -       | -         | -       |   |
| 120  | American oystercatcher   | P         | X | X | X | X | X | X | X | X | X | X | X | X | MAR-JUN | -         | -       |   |
| 121  | Bald eagle               | P T       | X | X | X | X | X | X | X | X | X | X | X | X | -       | -         | -       |   |

FISH:

| RAR# | Species             | S F Conc. | J | F | M | A | M | J | J | A | S | O | N | D       | Spawning | Eggs    | Larvae  | Juveniles | Adults  |
|------|---------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---------|----------|---------|---------|-----------|---------|
| 5    | Atlantic croaker    |           | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3       | SEP-APR  | SEP-APR | OCT-APR | JAN-DEC   | JAN-DEC |
|      | Atlantic stingray   |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | -        | -       | -       | -         | -       |
|      | Bay anchovy         |           | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4       | JAN-DEC  | JAN-DEC | JAN-DEC | JAN-DEC   | JAN-DEC |
|      | Bay whiff           |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | -        | -       | -       | -         | -       |
|      | Crevalle jack       |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | JAN-DEC  | MAY-SEP | MAY-SEP | JAN-DEC   | MAY-SEP |
|      | Darter goby         |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | -        | -       | -       | -         | -       |
|      | Fringed flounder    |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | -        | -       | -       | -         | -       |
|      | Gafftopsail catfish |           |   |   |   |   |   |   | 1 | 2 | 2 | 2 | 1 | -       | -        | -       | -       | -         |         |
|      | Gray snapper        |           |   |   |   |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1       | -        | -       | -       | -         | -       |
|      | Gulf killifish      |           | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2       | JAN-DEC  | JAN-DEC | JAN-DEC | JAN-DEC   | JAN-DEC |
|      | Gulf menhaden       |           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4       | OCT-MAR  | OCT-MAR | OCT-MAY | JAN-DEC   | JAN-DEC |
|      | Gulf toadfish       |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | -        | -       | -       | -         | -       |
|      | Hardhead catfish    |           | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2       | APR-AUG  | APR-AUG | APR-SEP | JAN-DEC   | JAN-DEC |
|      | Least puffer        |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | -        | -       | -       | -         | -       |
|      | Pigfish             |           |   |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | -       | -        | -       | -       | -         |         |
|      | Pinfish             |           | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | NOV-MAR | NOV-MAR  | NOV-APR | JAN-DEC | JAN-DEC   |         |
|      | Red drum            |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | SEP-NOV  | SEP-FEB | SEP-FEB | JAN-DEC   | JAN-DEC |
|      | Sand seatrout       |           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4       | MAR-OCT  | MAY-OCT | FEB-OCT | JAN-DEC   | JAN-DEC |
|      | Silver perch        |           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3       | MAY-SEP  | MAY-SEP | MAY-SEP | JAN-DEC   | JAN-DEC |
|      | Southern flounder   |           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3       | SEP-JAN  | SEP-JAN | SEP-APR | JAN-DEC   | JAN-DEC |
|      | Southern kingfish   |           | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3       | -        | -       | -       | -         | -       |
|      | Spot                |           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4       | NOV-MAR  | NOV-APR | NOV-MAR | JAN-DEC   | JAN-DEC |
|      | Spotfin mojarra     |           |   |   |   |   | 1 | 2 | 2 | 1 | 1 | 1 | 1 | -       | -        | -       | -       | -         |         |
|      | Spotted seatrout    |           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3       | MAR-SEP  | MAR-SEP | MAR-OCT | JAN-DEC   | JAN-DEC |
|      | Star drum           |           | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1       | -        | -       | -       | -         | -       |
|      | Striped anchovy     |           |   |   |   |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1       | -        | -       | -       | -         | -       |
|      | Striped mullet      |           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4       | NOV-MAY  | NOV-MAY | NOV-MAY | JAN-DEC   | JAN-DEC |
|      | Threadfin shad      |           | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2       | -        | -       | -       | -         | -       |
|      | White mullet        |           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1       | -        | -       | -       | -         | -       |
| 8    | Atlantic spadefish  |           |   |   |   |   | 2 | 2 | 3 | 3 | 3 | 2 | 1 | -       | -        | JUN-SEP | -       | -         |         |
|      | Atlantic sturgeon   |           | 1 | 1 | 1 | 1 |   |   |   |   |   |   | 1 | 1       | -        | -       | -       | -         | -       |
|      | Black drum          |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | FEB-APR  | FEB-APR | FEB-APR | JAN-DEC   | JAN-DEC |
|      | Bluefish            |           |   |   |   |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | APR-OCT | -        | -       | -       | -         |         |
|      | Florida pompano     |           |   |   |   | 1 | 2 | 3 | 3 | 2 | 2 | 1 | 1 | MAY-JUL | MAY-JUL  | MAY-JUL | MAY-NOV | MAR-SEP   |         |
|      | Gulf butterflyfish  |           | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | -        | -       | -       | -         | -       |
|      | Gulf flounder       |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | NOV-FEB  | NOV-FEB | NOV-FEB | JAN-DEC   | JAN-DEC |
|      | Harvestfish         |           | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1       | -        | -       | -       | -         | -       |
|      | Ladyfish            |           |   |   |   | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | -       | -        | -       | -       | -         |         |
|      | Scaled sardine      |           |   |   |   | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | -       | -        | -       | -       | -         |         |
|      | Sheepshead          |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | FEB-MAR  | FEB-APR | FEB-MAY | JAN-DEC   | JAN-DEC |
|      | Silver seatrout     |           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1       | -        | -       | -       | -         | -       |
|      | Southern hake       |           |   |   |   | 1 | 1 | 1 | 1 |   |   |   | 1 | -       | -        | -       | -       | -         |         |
|      | Spanish mackerel    |           | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1       | JUN-SEP  | JUN-SEP | JUN-SEP | APR-SEP   | JAN-DEC |
|      | Spotted hake        |           | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |         | -        | -       | -       | -         | -       |
|      | Tarpon              |           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2       | APR-SEP  | APR-SEP | MAY-SEP | JAN-DEC   | JAN-DEC |
| 10   |                     |           |   |   |   |   |   |   |   |   |   |   |   |         |          |         |         |           |         |



**Alabama: ESIMAP 6 (cont.)**

**BIOLOGICAL RESOURCES: (cont.)**

**REPTILE:**

| RAR# | Species                  | S F Conc. | J | F | M | A | M | J | J | A | S | O | N | D       | Nesting | Hatching | Interesting | Juveniles | Adults  |
|------|--------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---------|---------|----------|-------------|-----------|---------|
| 117  | Green sea turtle         | P T       |   |   |   | X | X | X | X | X | X | X | X | X       | APR-SEP | -        | -           | MAR-NOV   | APR-SEP |
|      | Kemp's ridley sea turtle | P E       |   |   |   | X | X | X | X | X | X | X | X | APR-SEP | -       | -        | MAR-NOV     | APR-SEP   |         |
|      | Loggerhead sea turtle    | P T       |   |   |   | X | X | X | X | X | X | X | X | APR-SEP | -       | -        | MAR-NOV     | APR-SEP   |         |
| 151  | Green sea turtle         | P T       |   |   |   | X | X | X | X | X | X | X | X | -       | -       | -        | MAR-NOV     | APR-SEP   |         |
|      | Kemp's ridley sea turtle | P E       |   |   |   | X | X | X | X | X | X | X | X | -       | -       | -        | MAR-NOV     | APR-SEP   |         |
|      | Leatherback sea turtle   | P E       |   |   |   | X | X | X | X | X | X | X | X | -       | -       | -        | MAR-NOV     | -         |         |
|      | Loggerhead sea turtle    | P T       |   |   |   | X | X | X | X | X | X | X | X | -       | -       | -        | MAR-NOV     | APR-SEP   |         |

**HUMAN USE RESOURCES:**

**CRITICAL HABITAT:**

| HUN# | Name                           | Contact | Phone        |
|------|--------------------------------|---------|--------------|
| 20   | PIPING PLOVER CRITICAL HABITAT | USFWS   | 251/441-5181 |

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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. This is particularly important to recognize when considering potential impacts to protected species.

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