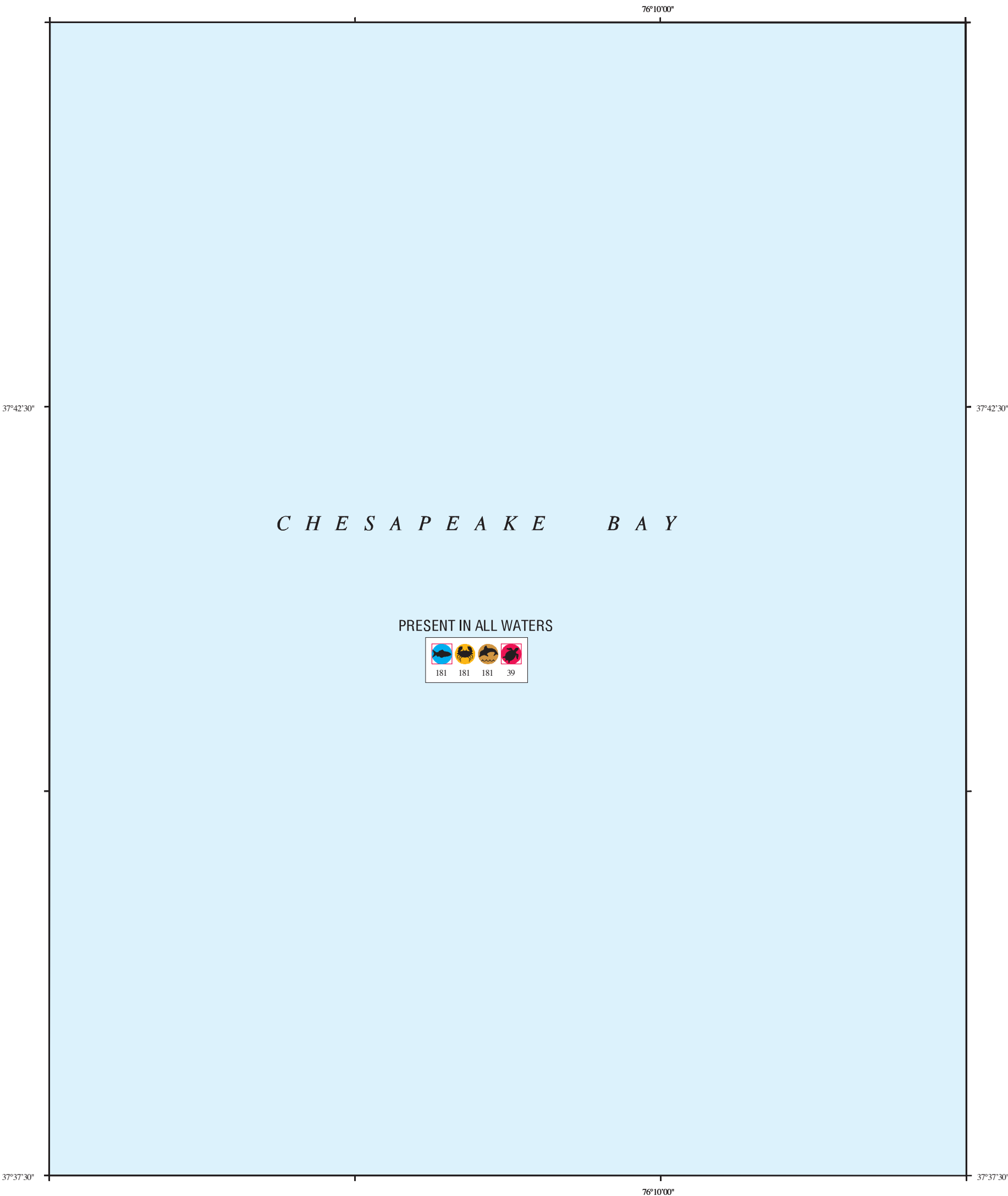


ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

1B EXPOSED, SOLID MAN-MADE STRUCTURES

2A EXPOSED WAVE-CUT PLATFORMS IN 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

6A GRAVEL BEACHES

6B RIPRAP

7 EXPOSED TIDAL FLATS

8A SHELTERED SCARPS IN 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 SWAMP

10D SCRUB-SHRUB WETLANDS

N
W E
S

SCALE 1:50000

1 .5 0 1 KILOMETER

1 .5 0 1 MILE

Not For Navigation
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National Oceanic and Atmospheric Administration
National Ocean Service
Office of Response and Restoration
Hazardous Materials Response Division

Virginia

Delaware

Maryland

North Carolina

VOLUME 2

VOLUME 1

VOLUME 2

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EAST OF FLEETS BAY, VA.

VA-72

Virginia: ESIMAP 72

BIOLOGICAL RESOURCES:

FISH:

| RAR# | Species | S F Conc. | J | F | M | A | M | J | J | A | S | O | N | D | Spawning | Eggs | Larvae | Juveniles | Adults |
|------|---------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|----------|---------|---------|-----------|---------|
| 181 | Alewife | | | X | X | X | X | X | | | | | | | - | - | - | - | FEB-JUN |
| | American eel | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | JAN-DEC | SEP-DEC |
| | American shad | | X | X | X | X | X | | | | | X | X | | - | - | - | NOV-MAR | JAN-JUN |
| | Atlantic croaker | | | | | X | X | X | X | X | X | X | X | | - | - | - | AUG-DEC | MAY-NOV |
| | Atlantic mackerel | | | X | X | | | | | | | | | | - | - | - | - | MAR-APR |
| | Atlantic menhaden | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | MAY-NOV | JAN-DEC | MAY-OCT |
| | Atlantic silverside | | X | X | X | X | X | X | X | X | X | X | X | X | MAR-JUL | - | - | JAN-DEC | JAN-DEC |
| | Atlantic spadefish | | | | | | | | X | X | X | X | | | - | - | - | AUG-OCT | AUG-NOV |
| | Atlantic sturgeon | C | X | X | X | X | X | X | X | X | X | | | | - | - | - | - | JAN-OCT |
| | Bay anchovy | | X | X | X | X | X | X | X | X | X | X | X | X | APR-SEP | - | - | JAN-DEC | JAN-DEC |
| | Black drum | | | X | X | X | X | X | X | X | X | | | | APR-JUN | APR-JUN | APR-JUN | APR-NOV | APR-NOV |
| | Black sea bass | | | X | X | X | X | X | X | X | | | | | JUN-OCT | - | - | APR-OCT | APR-OCT |
| | Blueback herring | | X | X | X | X | X | | | | | X | X | | - | - | - | NOV-MAR | JAN-JUN |
| | Bluefish | | | X | X | X | X | X | X | X | X | | | | - | - | - | MAY-NOV | APR-NOV |
| | Butterfish | | | X | X | X | X | X | X | X | X | | | | - | - | - | JUL-NOV | MAR-NOV |
| | Clearnose skate | | | X | X | X | X | X | X | X | | | | | - | - | - | - | MAY-NOV |
| | Gobies | | X | X | X | X | X | X | X | X | X | X | X | X | APR-SEP | APR-SEP | APR-OCT | JAN-DEC | JAN-DEC |
| | Harvestfish | | | X | X | X | X | X | X | | | | | | - | - | - | JUL-OCT | APR-OCT |
| | Hickory shad | | X | X | X | X | X | | | X | X | | | | - | - | - | NOV-MAR | JAN-JUN |
| | Hogchoker | | X | X | X | X | X | X | X | X | X | X | X | X | MAY-SEP | MAY-SEP | MAY-SEP | JAN-DEC | JAN-DEC |
| | Inland silverside | | X | X | X | X | X | X | X | X | X | X | X | X | APR-MAY | - | - | JAN-DEC | JAN-DEC |
| | Minnows | | X | X | X | X | X | X | X | X | X | X | X | X | APR-AUG | - | - | JAN-DEC | JAN-DEC |
| | Mummichog | | X | X | X | X | X | X | X | X | X | X | X | X | APR-AUG | - | - | JAN-DEC | JAN-DEC |
| | Northern kingfish | | | X | X | X | X | X | X | X | | | | | - | - | - | - | APR-OCT |
| | Northern pipefish | | X | X | X | X | X | X | X | X | X | X | X | X | MAY-JUN | - | - | JAN-DEC | JAN-DEC |
| | Northern puffer | | | X | X | X | X | X | X | X | | | | | MAY-AUG | - | - | MAR-OCT | MAR-OCT |
| | Northern searobin | | | X | X | X | X | X | X | | | | | | MAY-JUL | - | - | - | MAR-OCT |
| | Red drum | | | | X | X | X | X | X | X | X | | | | JUL-NOV | - | - | AUG-SEP | MAY-NOV |
| | Red hake | | X | X | X | X | | | | X | X | X | | | - | - | - | FEB-MAY | FEB-MAY |
| | | | | | | | | | | | | | | | | | | SEP-NOV | |
| | Sandbar shark | | | | | X | X | X | X | X | X | | | | - | - | - | MAY-OCT | MAY-OCT |
| | Scup (porgy) | | | X | X | X | X | X | X | X | X | | | | - | - | - | JUN-OCT | MAR-OCT |
| | Silver hake | | X | X | X | X | X | | | X | X | X | | | - | - | - | - | OCT-MAY |
| | Silver perch | | X | X | X | X | X | X | X | X | X | X | X | X | APR-MAY | - | - | JAN-DEC | JAN-DEC |
| | Spot | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | DEC-APR | MAR-NOV | MAR-NOV |
| | Spotted hake | | | X | X | X | X | | | X | X | X | | | - | - | - | MAR-JUN | MAR-JUN |
| | | | | | | | | | | | | | | | | | | SEP-NOV | |
| | Spotted seatrout | | | | X | X | X | X | X | X | X | X | | | MAY-JUL | - | - | APR-NOV | APR-NOV |
| | Striped bass | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | JAN-DEC | JAN-DEC |
| | Striped killifish | | X | X | X | X | X | X | X | X | X | X | X | X | APR-SEP | - | - | JAN-DEC | JAN-DEC |
| | Summer flounder | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | OCT-MAY | JAN-DEC | APR-OCT |
| | Tautog | | X | X | X | X | | | | X | X | X | | | - | - | - | - | OCT-APR |
| | Threadfin shad | | X | X | X | X | | | | X | X | X | | | - | - | - | - | FEB-MAY |
| | | | | | | | | | | | | | | | | | | SEP-NOV | |
| | Weakfish | | | X | X | X | X | X | X | X | X | | | | APR-AUG | - | MAY-AUG | APR-NOV | APR-NOV |

INVERTEBRATE:

| RAR# | Species | S F Conc. | J | F | M | A | M | J | J | A | S | O | N | D | Spawning | Eggs | Larvae | Juveniles | Adults |
|------|-----------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|----------|------|---------|-----------|---------|
| 181 | Blue crab | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | MAY-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 |
|------|--------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|--------|---------|---------|---------|
| 181 | Bottlenose dolphin | | | | | X | X | X | X | X | X | | | | - | - | - | - |
| | Harbor porpoise | | 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 |
|------|--------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---------|----------|-------------|-----------|---------|
| 39 | Green sea turtle | T T | | | | | X | X | X | X | X | X | X | | - | - | - | MAY-NOV | - |
| | Kemp's ridley sea turtle | E E | | | | | X | X | X | X | X | X | X | | - | - | - | MAY-NOV | - |
| | Leatherback sea turtle | E E | | | | | X | X | X | X | X | X | X | | - | - | - | - | MAY-NOV |
| | Loggerhead sea turtle | T T | | | | | X | X | X | X | X | X | X | | - | - | - | MAY-NOV | - |