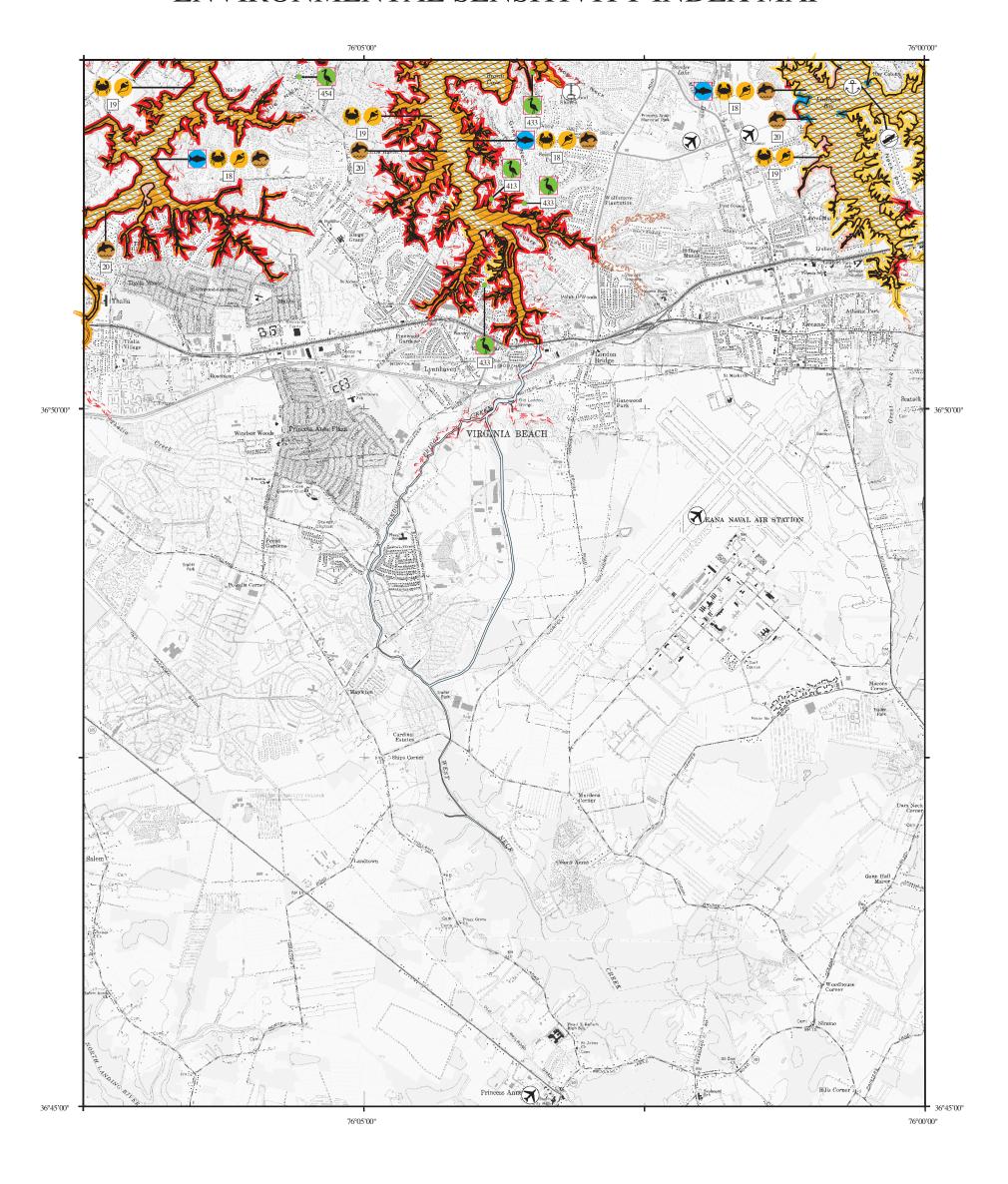
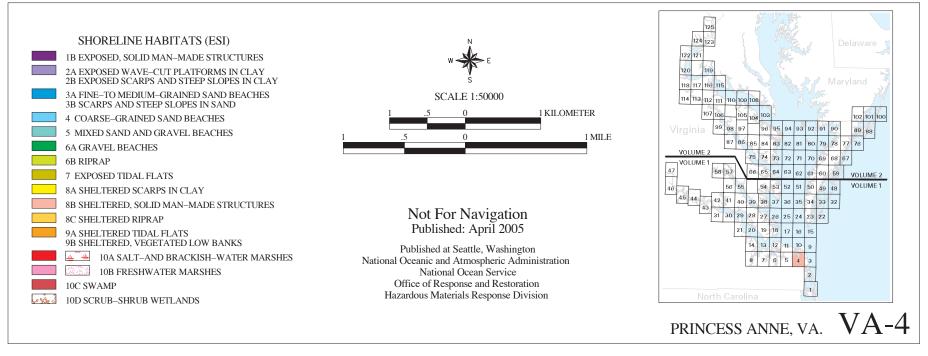
## ENVIRONMENTAL SENSITIVITY INDEX MAP





## Virginia: ESIMAP 4

## BIOLOGICAL RESOURCES:

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|--------------|-----|----|---|---|
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| RAR# | Species                                   | S F Conc. | J F M A M J J A S O 1                 | N D Nesting  | Migrating | Moltin  | g<br>              |                    |
|------|---|-----------|---------------------------------------|--------------|-----------|---------|--------------------|--------------------|
|      | Yellow-crowned night-heron                | C 3 NESTS | x x x x x x x x x                     | MAY-JUL      | _         | -       |                    |                    |
| 433  | Yellow-crowned night-heron                | C 4 NESTS | X X X X X X X X X                     | MAY-JUL      | -         | _       |                    |                    |
| 454  | Yellow-crowned night-heron                | C 8 NESTS | X X X X X X X X X                     | MAY-JUL      | -         | -       |                    |                    |
| FISH | :   |           |                                       |              |           |         |                    |                    |
| RAR# | Species                                   | S F Conc. | J F M A M J J A S O 1                 | N D Spawning | Eggs      | Larvae  | Juveniles          | Adults             |
|      | Alewife                                   |           | $x \times x \times x$                 | _            | -         | _       | _                  | FEB-JUN            |
|      | American eel                              |           | X X 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                         |           | XX                                    | _            | -         | _       |                    | MAR-APR            |
|      | Atlantic menhaden                         |           | X X X X X X X X X X X X X X X X X X X |              | -         | MAY-NOV | JAN-DEC            | MAY-OCT            |
|      | Atlantic silverside Atlantic spadefish    |           | XXXXXXXXXXX                           |              | -         | -       | JAN-DEC<br>AUG-OCT | JAN-DEC<br>AUG-NOV |
|      | Atlantic spacerism Atlantic sturgeon      | С         | X                                     | _            | _         | _       | AUG-UCI            | JAN-OCT            |
|      | Bay anchovy                               | C         | XXXXXXXXXXX                           |              | _         | _       | JAN-DEC            | JAN-DEC            |
|      | Black drum                                |           | XXXXXXX                               |              | 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 X -        | -         | -       | NOV-MAR            | JAN-JUN            |
|      | Bluefish                                  |           | X X X X X X X X                       | ζ –          | -         | -       | MAY-NOV            | APR-NOV            |
|      | Butterfish                                |           | X 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 X X X X X X X | X X APR-SEP  | APR-SEP   | APR-OCT | JAN-DEC            | JAN-DEC            |
|      | Harvestfish<br>Hickory shad               |           | X X X X X X X X X X X X X X X X X X X | -<br>< X -   | _         | _       | JUL-OCT<br>NOV-MAR | APR-OCT<br>JAN-JUN |
|      | Hogchoker                                 |           | X X X X X X X X X X X X X X X X X X X |              | MAY-SEP   | MAY-SEP | JAN-DEC            | JAN-DEC            |
|      | Inland silverside                         |           | XXXXXXXXXXX                           |              | -         | -       | JAN-DEC            | JAN-DEC            |
|      | Minnows                                   |           | XXXXXXXXXXX                           |              | _         | _       | JAN-DEC            | JAN-DEC            |
|      | Mummichog                                 |           | X X X X X X X X X 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               | X X MAY-JUN  | -         | -       | JAN-DEC            | JAN-DEC            |
|      | Northern puffer                           |           | X X X X X X X X                       | MAY-AUG      | -         | -       | MAR-OCT            | MAR-OCT            |
|      | Northern searobin                         |           | X X X X X X X X                       | MAY-JUL      | -         | -       | -                  | MAR-OCT            |
|      | Red drum                                  |           | XXXXXXX                               |              | -         | -       | AUG-SEP            | MAY-NOV            |
|      | Red hake                                  |           | X X X X X X X X                       | ζ –          | _         | _       | FEB-MAY            | FEB-MAY<br>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                               |           |                                       | Х X -        | _         | _       | -                  | OCT-MAY            |
|      | Silver perch                              |           | XXXXXXXXXX                            |              | -         | _       | JAN-DEC            | JAN-DEC            |
|      | Spot                                      |           | X X 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 X                       | <b>-</b>     | -         | -       | MAR-JUN            | MAR-JUN            |
|      |   |           |                                       |              |           |         |                    | SEP-NOV            |
|      | Spotted seatrout                          |           | X X X X X X X X                       |              | -         | -       | APR-NOV            | APR-NOV            |
|      | Striped bass                              |           | X X X X X X X 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 X X X X X X X |              | -         | -<br>-  | JAN-DEC            | JAN-DEC            |
|      | Summer flounder<br>Tautog                 |           | X X X X X X X X X X X X X X X X X X X | X X -        |           | OCT-MAY | JAN-DEC<br>-       | APR-OCT<br>OCT-APR |
|      | Threadfin shad                            |           | X X X X X X X X X X X X X X X X X X X |              | _         | _       | _                  | FEB-MAY            |
|      | Inicadiii Shad                            |           |                                       | 7            |           |         |                    | SEP-NOV            |
|      | Weakfish                                  |           | X X X X X X X X                       | X APR-AUG    | -         | MAY-AUG | APR-NOV            | APR-NOV            |
| INVE | RTEBRATE:                                 |           |                                       |              |           |         |                    |                    |
| RAR# | Species                                   | S F Conc. | J F M A M J J A S O 1                 | ID Spawning  | Eaas      | Larvae  | Juveniles          | Adults             |
|      |   |           |                                       |              |           |         |                    |                    |
| 18   | Horseshoe crab                            |           | X X X X X X X X X X X X X X X X X X X | X X -        | -         | -       | JAN-DEC            | JAN-DEC            |
|      | Knobbed whelk                             |           | X X X X X X X X X X X X               | X X -        | -         | -       | JAN-DEC            | JAN-DEC            |
| 19   | Blue crab                                 |           | X X X X X X X X X X X X               |              |           |         |                    | JAN-DEC            |
|      | Channeled whelk                           |           | X X X X X X X X X X X X X X X X X X X | Χ X -        | -         | -       | JAN-DEC            | JAN-DEC            |
|      | NE MAMMAL:                                |           |                                       |              |           |         |                    |                    |
| KAR# | Species                                   | S F Conc. | J F M A M J J A S O 1                 | ע Mating<br> | Calving   | Pupping | Molting            |                    |
| 18   | Harbor porpoise                           |           | XXXXX                                 | х -          | _         | _       | _                  |                    |
|      | Bottlenose dolphin                        |           | XXXXXXX                               | -            | _         | _       | _                  |                    |
| ==== | -<br>==================================== |           |                                       |              |           | ======= |                    | ========           |