

## NEUSE RIVER BASIN

02091000 NAHUNTA SWAMP NEAR SHINE, NC--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2000 to current year.

REMARKS.--Station operated in cooperation with the U.S. Environmental Protection Agency and the North Carolina Department of Environment and Natural Resources as part of a long-term project to develop a multimedia integrated modeling system (MIMS).

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DATE  | TIME | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)   | SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)                 | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)         | TEMPER-ATURE WATER (DEG C) (00010)         | BARO-METRIC PRES-SURE OF (MM HG) (00025)  | OXYGEN, DIS-SOLVED (MG/L) (00300)         | OXYGEN, DIS-SOLVED SATUR-ATION (MG/L) (00301)           | HARD-NESS TOTAL (MG/L AS CACO3) (00900)                 | CALCIUM DIS-SOLVED (MG/L AS CA) (00915)           | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)       | SODIUM, DIS-SOLVED (MG/L AS NA) (00930)           | SODIUM PERCENT (00932)                            |  |
|-------|------|---|---|--|--|---|---|---|---|---|---|---|---|--|
| OCT   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 26... | 1245 | 20  | 99  | 6.6  | 14.8                                       | 764                                       | 9.6                                       | 95  | 26  | 6.50  | 2.40  | 6.2   | 30  |  |
| NOV   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 16... | 1015 | 27  | 106   | 6.4  | 8.6  | 766                                       | 8.9                                       | 76  | 27  | 6.60  | 2.60  | 6.6   | 29  |  |
| DEC   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 11... | 1400 | 35  | 105   | 6.4  | 7.6  | 769                                       | 10.4                                      | 86  | 26  | 6.50  | 2.40  | 6.0   | 29  |  |
| JAN   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 19... | 0845 | 27  | 97  | 6.4  | 9.2  | 764                                       | --  | --  | 26  | 6.70  | 2.20  | 6.0   | 30  |  |
| FEB   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 08... | 0815 | 33  | 92  | 6.4  | 6.9  | 778                                       | 10.9                                      | 87  | 25  | 6.60  | 2.10  | 6.1   | 31  |  |
| 28... | 1315 | 49  | 93  | 6.3  | 11.2                                       | 767                                       | 9.4                                       | 85  | 24  | 6.10  | 2.10  | 5.5   | 30  |  |
| APR   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 06... | 0800 | 97  | 91  | 6.0  | 12.3                                       | 773                                       | 8.9                                       | 82  | 24  | 5.90  | 2.30  | 5.1   | 28  |  |
| JUL   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 12... | 1305 | 15  | 89  | 6.4  | 25.9                                       | 765                                       | 7.8                                       | 95  | 25  | 6.20  | 2.30  | 5.7   | 30  |  |
| DATE  |      | SODIUM AD-SORPTION RATIO (00931)                  | POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)              | SULFATE DIS-SOLVED (MG/L AS SO4) (00945)               | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950) | SILICA, DIS-SOLVED (MG/L AS SIO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301) | NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608) | NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605) |
| OCT   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 26... | .5   | 4.10  | 4.5   | 13.0   | <.1  | 7.3                                       | 70  | 58  | --  | <.010   | .800  | .050  | .42   |  |
| NOV   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 16... | .6   | 6.00  | 3.8   | 15.0   | <.1  | 7.6                                       | 72  | 63  | .510  | .010  | .520  | .060  | .33   |  |
| DEC   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 11... | .5   | 4.20  | 6.9   | 14.0   | .1   | 9.1                                       | 72  | 63  | .980  | .010  | .990  | .080  | .38   |  |
| JAN   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 19... | .5   | 3.40  | 5.8   | 12.0   | <.1  | 6.8                                       | 65  | 58  | .900  | .020  | .920  | .085  | .41   |  |
| FEB   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 08... | .5   | 3.10  | 5.7   | 12.0   | <.1  | 6.6                                       | 82  | 57  | .920  | .010  | .930  | .052  | .44   |  |
| 28... | .5   | 2.90  | 6.8   | 12.0   | <.1  | 7.6                                       | 70  | 56  | .980  | .020  | 1.00  | .141  | .64   |  |
| APR   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 06... | .5   | 3.30  | 7.6   | 11.0   | .1   | 7.5                                       | 75  | 56  | --  | <.010   | 1.50  | .116  | .49   |  |
| JUL   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 12... | .5   | 2.80  | 4.1   | 11.0   | .1   | 6.6                                       | 57  | 53  | --  | <.010   | .750  | .048  | .57   |  |
| DATE  |      | NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607) | NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623) | NITRO-GEN, TOTAL (MG/L AS N) (00600)       | NITRO-GEN, DIS-SOLVED (MG/L AS N) (00602) | PHOS-PHORUS TOTAL (MG/L AS P) (00665)     | PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)              | PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)       | IRON, DIS-SOLVED (UG/L AS FE) (01046)             | MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)       | CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)    |   |  |
| OCT   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 26... | .37  | .47   | .42   | 1.3  | 1.2  | .060                                      | .040                                      | .030  | 490   | 14.0  | 6.5   |   |   |  |
| NOV   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 16... | .23  | .39   | .29   | .91  | .81  | .070                                      | .040                                      | .020  | 800   | 13.0  | 8.1   |   |   |  |
| DEC   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 11... | .27  | .46   | .35   | 1.4  | 1.3  | <.020                                     | <.020                                     | .030  | 440   | 37.0  | 4.3   |   |   |  |
| JAN   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 19... | .30  | .50   | .39   | 1.4  | 1.3  | .070                                      | .030                                      | <.010   | 500   | 37.0  | 5.4   |   |   |  |
| FEB   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 08... | .27  | .49   | .32   | 1.4  | 1.2  | .030                                      | <.020                                     | .020  | 550   | 35.0  | 6.4   |   |   |  |
| 28... | .43  | .78   | .57   | 1.8  | 1.6  | .060                                      | <.020                                     | .030  | 720   | 46.0  | 8.1   |   |   |  |
| APR   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 06... | .39  | .61   | .51   | 2.1  | 2.0  | .060                                      | <.020                                     | .020  | 480   | 40.0  | 8.3   |   |   |  |
| JUL   |      |   |   |  |  |   |   |   |   |   |   |   |   |  |
| 12... | .47  | .62   | .52   | 1.4  | 1.3  | .120                                      | .070                                      | .050  | 680   | 19.0  | 7.9   |   |   |  |