

NEUSE RIVER BASIN

02091700 LITTLE CONTENTINEA CREEK NEAR FARMVILLE, NC

LOCATION.--Lat 35°32'40", long 77°30'41", Pitt County, Hydrologic Unit 03020203, at bridge on U.S. Highway 264, 1.5 mi above Middle Swamp and 5.5 mi southeast of Farmville.

DRAINAGE AREA.--93.3 mi<sup>2</sup>

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 (MM OF HG) (00025) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, (PER-CENT SATUR-ATION) (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) |
|-----------|------|---|---|--|------------------------------------|--|-----------------------------------|--|---|---|---|---|------------------------|
| NOV 15... | 1530 | 5.9   | 175                                     | 6.5  | 10.8                               | 764                                      | 3.9                               | 35                                     | 34                                      | 9.30                                    | 2.70  | 19.0                                    | 48                     |
| JAN 18... | 1200 | 25  | 158                                     | 6.6  | 8.8                                | 771                                      | --                                | --                                     | 32                                      | 8.80                                    | 2.50  | 15.0                                    | 45                     |
| FEB 06... | 1545 | 43  | 145                                     | 6.7  | 8.4                                | 769                                      | 10                                | 84                                     | 29                                      | 8.10                                    | 2.20  | 15.0                                    | 47                     |
| APR 05... | 1015 | 216   | 98                                      | 6.1  | 10.7                               | 777                                      | 7.6                               | 67                                     | 25                                      | 6.80                                    | 2.00  | 7.2                                     | 35                     |
| JUL 10... | 1130 | 52  | 93                                      | 6.2  | 25.6                               | 763                                      | 3.9                               | 48                                     | 27                                      | 7.80                                    | 1.90  | 6.3                                     | 30                     |

| DATE      | 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, 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 DIS-SOLVED (MG/L AS N) (00605) | NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607) |
|-----------|---------------|--|--|--|---|---|---|---|---|---|---|---|---|
| NOV 15... | 1             | 8.40                                       | 3.2                                      | 21.0                                       | .1  | 4.8                                       | 117   | 100   | <.010   | <.020   | .022  | .77   | .76   |
| JAN 18... | 1             | 6.10                                       | 8.1                                      | 20.0                                       | .1  | --  | 106   | 82  | <.010   | <.020   | .018  | .58   | .41   |
| FEB 06... | 1             | 5.40                                       | 7.8                                      | 18.0                                       | .1  | --  | 105   | 77  | <.010   | .070  | <.010   | --  | --  |
| APR 05... | .6            | 3.50                                       | 8.3                                      | 13.0                                       | .1  | 2.8                                       | 80  | 54  | <.010   | .290  | <.010   | --  | --  |
| JUL 10... | .5            | 3.20                                       | 4.5                                      | 9.2  | .1  | 5.7                                       | 76  | 55  | <.010   | .150  | .071  | .92   | .75   |

| DATE      | NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (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) |
|-----------|---|--|--------------------------------------|---|---------------------------------------|--|---|---------------------------------------|---|--|
| NOV 15... | .79   | .78  | --                                   | --  | .280                                  | .170                                       | .160  | 1800                                  | 64.0  | 13   |
| JAN 18... | .60   | .43  | --                                   | --  | .100                                  | .060                                       | .050  | 450                                   | 30.0  | 8.7  |
| FEB 06... | .61   | .52  | .68                                  | .59                                       | .120                                  | .050                                       | .070  | 700                                   | 22.0  | 8.6  |
| APR 05... | .63   | .57  | .92                                  | .86                                       | .080                                  | .050                                       | .060  | 520                                   | 14.0  | 11   |
| JUL 10... | .99   | .82  | 1.1                                  | .97                                       | .330                                  | .190                                       | .190  | 1100                                  | 76.0  | 12   |