

NEUSE RIVER BASIN

02085500 FLAT RIVER AT BAHAMA, NC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment and to define the impacts of various land-use development on surface-water quality in the Upper Neuse River basin.

COOPERATION.--For the period February 1988 through June 1989 the inorganic-chemical data and trace-metal data were analyzed by the city of Durham's Brown Water Treatment Laboratory.

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 HG) (00025) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | 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 19... | 1255 | 9.2 | 100 | 6.8 | 15.8 | 757 | 7.4 | 75 | -- | <.006 | <.047 | <.041 | -- |
| DEC 06... | 1540 | 18 | 102 | 5.5 | 3.1 | 754 | 12.5 | 94 | -- | <.006 | <.047 | <.041 | -- |
| JAN 31... | 1405 | 33 | 90 | 7.0 | 8.6 | 746 | 11.0 | 97 | -- | <.006 | .270 | <.041 | -- |
| FEB 18... | 1245 | 317 | 74 | 6.3 | 7.8 | 765 | 11.9 | 99 | -- | E.004 | .415 | E.040 | -- |
| MAR 21... | 1530 | 2480 | 56 | 6.3 | 8.1 | 742 | 12.1 | 105 | .415 | .006 | .421 | .126 | 1.4 |
| APR 28... | 1855 | 44 | 84 | 7.2 | 18.4 | 757 | 10.7 | 115 | -- | E.003 | .079 | E.028 | -- |
| JUN 09... | 1800 | 45 | 72 | 6.9 | 22.8 | 749 | 7.2 | 85 | .426 | .006 | .432 | E.038 | -- |
| JUL 20... | 1430 | 5.4 | 82 | 6.3 | 27.1 | 753 | 7.5 | 96 | -- | E.005 | .092 | .050 | .29 |
| AUG 22... | 1630 | 13 | 85 | 7.8 | 26.2 | 754 | 7.6 | 95 | -- | <.006 | .117 | E.024 | -- |
| SEP 25... | 0800 | 55 | 67 | 5.5 | 20.6 | 751 | 7.3 | 82 | -- | E.003 | .212 | <.040 | -- |

| DATE | NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607) | NITRO-GEN, AM-MONIA + ORGANIC (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) | SEDI-MENT, SUS-PENDED (MG/L) (80154) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155) |
|-----------|---|---|--|--------------------------------------|---|---------------------------------------|--|---|--------------------------------------|---|
| OCT 19... | -- | .30 | .23 | -- | -- | E.032 | <.060 | <.018 | 6 | .15 |
| DEC 06... | -- | .22 | .11 | -- | -- | <.060 | <.060 | E.011 | 4 | .19 |
| JAN 31... | -- | .34 | .28 | .61 | .55 | E.033 | <.060 | <.018 | 8 | .71 |
| FEB 18... | -- | .90 | .46 | 1.3 | .87 | .132 | <.060 | <.018 | 61 | 52 |
| MAR 21... | .51 | 1.5 | .64 | 1.9 | 1.1 | .268 | <.060 | .019 | 346 | 2320 |
| APR 28... | -- | .30 | .20 | .38 | .28 | <.060 | <.060 | <.018 | 8 | .95 |
| JUN 09... | -- | .54 | .42 | .98 | .85 | .063 | <.060 | <.020 | 21 | 2.6 |
| JUL 20... | .30 | .34 | .35 | .43 | .45 | E.033 | <.060 | <.020 | 8 | .12 |
| AUG 22... | -- | .37 | .30 | .49 | .42 | <.060 | <.060 | <.020 | 7 | .25 |
| SEP 25... | -- | .52 | .31 | .73 | .53 | .109 | E.033 | E.014 | -- | -- |