0209695780 BROOKS CREEK AT EDDIE PERRY ROAD NEAR BYNUM, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2002 to November 2003 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 2002 to November 2003.

INSTRUMENTATION.--Logging pressure transducer with water temperature probe.

REMARKS.--Station operated as part of NAWQA Urban Land Use Gradient study.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 28.7°C, Aug. 15, 2002; minimum recorded, 0.0°C, Jan. 19, 23-26, 28, Feb. 17, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Time | Medium code | Instantaneous discharge, cfs (00061) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | Dissolved oxygen, percent of saturation (00301) | pH, water, unfltrd field, std units (00400) | Specif. conductance, wat unf uS/cm 25 degC (00095) | Temperature, water, deg C (00010) | Chloride, water, fltrd, mg/L (00940) | Sulfate water, fltrd, mg/L (00945) | Ammonia + org-N, water, unfltrd mg/L as N (00625) | Ammonia water, fltrd, mg/L as N (00608) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | | | |
| 21... | 0945 | 9 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 1245 | 9 | E12 | 751 | 12.0 | 98 | 7.0 | 62 | 6.2 | 4.99 | 5.6 | 0.28 | <0.04 |
| MAY | | | | | | | | | | | | | |
| 14... | 0915 | D | E2.0 | -- | 7.6 | -- | 7.2 | 97 | 15.1 | -- | -- | -- | -- |
| JUN | | | | | | | | | | | | | |
| 11... | 1200 | 9 | -- | -- | 8.1 | -- | 7.2 | 96 | 19.3 | -- | -- | -- | -- |
| JUL | | | | | | | | | | | | | |
| 01... | 1150 | 9 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01... | 1300 | 9 | E2.0 | 755 | 7.6 | 87 | 6.8 | 98 | 21.7 | 5.19 | 1.5 | 0.27 | <0.04 |

| Date | Nitrite + nitrate water fltrd, mg/L as N (00631) | Nitrite water, fltrd, mg/L as N (00613) | Orthophosphate, water, fltrd, mg/L as P (00671) | Particulate nitrogen, susp, water, mg/L (49570) | Phosphorus, water, unfltrd mg/L (00665) | Total nitrogen, water, unfltrd mg/L (00600) | Total carbon, suspnd sedimnt total, mg/L (00694) | Inorganic carbon, suspnd sedimnt total, mg/L (00688) | Organic carbon, suspnd sedimnt total, mg/L (00689) | Organic carbon, water, fltrd, mg/L (00681) | Biomass periphyton, ashfree drymass g/m2 (49954) | Periphyton biomass ash weight, g/m2 (00572) | Periphyton biomass dry weight, g/m2 (00573) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | | | |
| 21... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | 0.35 | <0.008 | <0.02 | 0.04 | 0.021 | 0.63 | 0.2 | <0.1 | 0.2 | 4.6 | -- | -- | -- |
| MAY | | | | | | | | | | | | | |
| 14... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.3 | 52 | 59.70 |
| JUN | | | | | | | | | | | | | |
| 11... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | | | |
| 01... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01... | 0.43 | <0.008 | <0.02 | 0.06 | 0.024 | 0.70 | 0.5 | <0.1 | 0.5 | 3.9 | -- | -- | -- |

| Date | Biomass chlorophyll ratio, periphyton, number (70950) | Pheophytin a, periphyton, mg/m2 (62359) | E coli, modif. m-TEC, water, col/ 100 mL (90902) | Chlorophyll a periphyton, chromofluoro, mg/m2 (70957) | 1-Naphthol, water, fltrd 0.7u GF ug/L (49295) | 2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660) | 2-[(2-Et-6-Me-Ph)--amino] propan-1-ol, ug/L (61615) | 2Chloro-2,6'-' diethyl acetanilide wat flt ug/L (61618) | CIAT, water, fltrd, ug/L (04040) | 2-Ethyl-6-methylaniline water, fltrd, ug/L (61620) | 3,4-Dichloroaniline water fltrd, ug/L (61625) | 4Chloro 2methyl phenol, water, fltrd, ug/L (61633) | Acetochlor, water, fltrd, ug/L (49260) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | | | |
| 21... | -- | -- | 170 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | -- | -- | -- | -- | <0.09 | <0.006 | <0.1 | <0.005 | E.002 | <0.004 | <0.004 | <0.006 | <0.006 |
| MAY | | | | | | | | | | | | | |
| 14... | 261 | 13 | -- | 28.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | | | | |
| 11... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | | | |
| 01... | -- | -- | 120 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01... | -- | -- | -- | -- | <0.09 | <0.006 | <0.1 | <0.005 | E.007 | <0.004 | <0.004 | <0.006 | <0.006 |

0209695780 BROOKS CREEK AT EDDIE PERRY ROAD NEAR BYNUM, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Alachlor, water, fltrd, ug/L (46342) | Atrazine, water, fltrd, ug/L (39632) | Azinphos-methyl oxon, water, fltrd, ug/L (61635) | Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686) | Benfluralin, water, fltrd 0.7u GF ug/L (82673) | Carbaryl, water, fltrd 0.7u GF ug/L (82680) | Chlorpyrifos oxon, water, fltrd, ug/L (61636) | Chlorpyrifos water, fltrd, ug/L (38933) | cis-Permethrin water fltrd 0.7u GF ug/L (82687) | Cyfluthrin, water, fltrd, ug/L (61585) | Cypermethrin water, fltrd, ug/L (61586) | DCPA, water fltrd 0.7u GF ug/L (82682) | Desulfinyl fipronil, water, fltrd, ug/L (62170) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | | | |
| 21... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | <0.004 | <0.007 | <0.02 | <0.050 | <0.010 | <0.041 | <0.06 | <0.005 | <0.006 | <0.008 | <0.009 | <0.003 | <0.004 |
| MAY | | | | | | | | | | | | | |
| 14... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | | | | |
| 11... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | | | |
| 01... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01... | <0.004 | E.005 | <0.02 | <0.050 | <0.010 | <0.041 | <0.06 | <0.005 | <0.006 | <0.008 | <0.009 | <0.003 | <0.004 |

| Date | Diazinon oxon, water, fltrd, ug/L (61638) | Diazinon, water, fltrd, ug/L (39572) | Dicrotophos, water fltrd, ug/L (38454) | Dieldrin, water, fltrd, ug/L (39381) | Dimethoate, water, fltrd 0.7u GF ug/L (82662) | Ethion monoxon water, fltrd, ug/L (61644) | Ethion, water, fltrd, ug/L (82346) | Fenamiphos sulfone water, fltrd, ug/L (61645) | Fenamiphos sulfoxide, water, fltrd, ug/L (61646) | Fenamiphos, water, fltrd, ug/L (61591) | Desulfinyl-fipronil amide, wat flt ug/L (62169) | Fipronil sulfide water, fltrd, ug/L (62167) | Fipronil sulfone water, fltrd, ug/L (62168) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | | | |
| 21... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | <0.04 | <0.005 | <0.08 | <0.005 | <0.006 | <0.03 | <0.004 | <0.008 | <0.03 | <0.03 | <0.009 | <0.005 | <0.005 |
| MAY | | | | | | | | | | | | | |
| 14... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | | | | |
| 11... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | | | |
| 01... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01... | <0.01 | <0.005 | <0.08 | <0.005 | <0.006 | <0.03 | <0.004 | <0.008 | <0.03 | <0.03 | <0.009 | <0.005 | <0.005 |

| Date | Fipronil, water, fltrd, ug/L (62166) | Fonofos oxon, water, fltrd, ug/L (61649) | Fonofos water, fltrd, ug/L (04095) | Hexazinone, water, fltrd, ug/L (04025) | Iprodione, water, fltrd, ug/L (61593) | Isofenphos, water, fltrd, ug/L (61594) | Malaoxon, water, fltrd, ug/L (61652) | Malathion, water, fltrd, ug/L (39532) | Metalaxyl, water, fltrd, ug/L (61596) | Methialthion water, fltrd, ug/L (61598) | Methyl paraoxon, water, fltrd, ug/L (61664) | Methyl parathion, water, fltrd 0.7u GF ug/L (82667) | Metolachlor, water, fltrd, ug/L (39415) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | | | |
| 21... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | <0.007 | <0.002 | <0.003 | -- | <1 | <0.003 | <0.008 | <0.027 | <0.005 | <0.006 | <0.03 | <0.006 | <0.013 |
| MAY | | | | | | | | | | | | | |
| 14... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | | | | |
| 11... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | | | |
| 01... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01... | <0.007 | <0.002 | <0.003 | <0.013 | <1 | <0.003 | <0.008 | <0.027 | <0.005 | <0.006 | <0.03 | <0.006 | <0.013 |

| Date | Metribuzin, water, fltrd, ug/L (82630) | Myclobutanil water, fltrd, ug/L (61599) | Pendimethalin, water, fltrd 0.7u GF ug/L (82683) | Phorate oxon, water, fltrd, ug/L (61666) | Phorate water fltrd 0.7u GF ug/L (82664) | Phosmet oxon, water, fltrd, ug/L (61668) | Phosmet water, fltrd, ug/L (61601) | Prometon, water, fltrd, ug/L (04037) | Prometryn, water, fltrd, ug/L (04036) | Pronamide, water, fltrd 0.7u GF ug/L (82676) | Simazine, water, fltrd, ug/L (04035) | Tebuthiuron water fltrd 0.7u GF ug/L (82670) | Terbufos oxon sulfone water, fltrd, ug/L (61674) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | | | | | | | | | | | | | |
| 21... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 21... | <0.006 | <0.008 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.01 | <0.005 | <0.004 | <0.005 | <0.02 | <0.07 |
| MAY | | | | | | | | | | | | | |
| 14... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | | | | | | | | |
| 11... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | | | | | | | | |
| 01... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01... | <0.006 | <0.008 | <0.022 | <0.10 | <0.011 | <0.06 | <0.008 | <0.01 | <0.005 | <0.004 | 0.006 | <0.02 | <0.07 |

0209695780 BROOKS CREEK AT EDDIE PERRY ROAD NEAR BYNUM, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Terbufos, water, fltrd 0.7u GF ug/L (82675) | Terbuthylazine, water, fltrd, ug/L (04022) | Trifluralin, water, fltrd 0.7u GF ug/L (82661) | Dichlorvos, water fltrd, ug/L (38775) | Suspnd. sediment, sieve diametr percent <.063mm (70331) | Suspended sediment concentration mg/L (80154) |
|---|---|---|---|---|---|---|
| FEB | | | | | | |
| 21... | -- | -- | -- | -- | -- | -- |
| 21... | <0.02 | <0.01 | <0.009 | <0.01 | 95 | 6 |
| MAY | | | | | | |
| 14... | -- | -- | -- | -- | -- | -- |
| JUN | | | | | | |
| 11... | -- | -- | -- | -- | -- | -- |
| JUL | | | | | | |
| 01... | -- | -- | -- | -- | -- | -- |
| 01... | <0.02 | <0.01 | <0.009 | <0.01 | 91 | 4 |

Remark codes used in this table:
< -- Less than
E -- Estimated value

Medium codes used in this table:
9 -- Surface water
D -- Plant tissue

TEMPERATURE, WATER, DEGREES CELSIUS
AUGUST TO SEPTEMBER 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | |
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.2 | 20.2 | 20.6 |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.1 | 19.9 | 20.4 |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 22.8 | 19.2 | 20.8 |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 24.4 | 20.8 | 22.4 |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 23.8 | 21.1 | 22.5 |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 22.1 | 19.0 | 20.6 |
| 7 | --- | --- | --- | --- | --- | --- | 22.7 | 19.8 | 21.4 | 21.5 | 18.8 | 20.1 |
| 8 | --- | --- | --- | --- | --- | --- | 21.7 | 17.6 | 19.9 | 21.2 | 18.0 | 19.7 |
| 9 | --- | --- | --- | --- | --- | --- | 21.6 | 17.0 | 19.5 | 21.6 | 19.0 | 20.3 |
| 10 | --- | --- | --- | --- | --- | --- | 22.4 | 16.8 | 19.9 | 22.7 | 19.8 | 21.1 |
| 11 | --- | --- | --- | --- | --- | --- | 24.0 | 17.6 | 20.9 | 22.3 | 19.2 | 20.8 |
| 12 | --- | --- | --- | --- | --- | --- | 25.6 | 18.9 | 22.5 | 20.8 | 17.8 | 19.4 |
| 13 | --- | --- | --- | --- | --- | --- | 27.0 | 20.0 | 23.6 | 20.0 | 16.8 | 18.6 |
| 14 | --- | --- | --- | --- | --- | --- | 26.9 | 20.2 | 23.5 | 20.6 | 19.0 | 19.7 |
| 15 | --- | --- | --- | --- | --- | --- | 28.7 | 22.6 | 24.7 | 22.2 | 20.6 | 21.2 |
| 16 | --- | --- | --- | --- | --- | --- | 24.8 | 23.0 | 23.8 | 23.0 | 21.2 | 21.9 |
| 17 | --- | --- | --- | --- | --- | --- | 25.4 | 22.8 | 24.0 | 23.0 | 20.9 | 21.9 |
| 18 | --- | --- | --- | --- | --- | --- | 26.5 | 23.3 | 24.7 | 22.0 | 21.3 | 21.7 |
| 19 | --- | --- | --- | --- | --- | --- | 25.7 | 23.0 | 24.3 | 22.8 | 21.4 | 22.0 |
| 20 | --- | --- | --- | --- | --- | --- | 26.3 | 22.6 | 24.3 | 22.5 | 20.6 | 21.5 |
| 21 | --- | --- | --- | --- | --- | --- | 26.0 | 23.0 | 24.6 | 22.1 | 19.9 | 21.1 |
| 22 | --- | --- | --- | --- | --- | --- | 26.7 | 23.9 | 25.1 | 22.8 | 20.4 | 21.5 |
| 23 | --- | --- | --- | --- | --- | --- | 27.2 | 23.5 | 25.5 | 21.8 | 20.3 | 21.1 |
| 24 | --- | --- | --- | --- | --- | --- | 27.4 | 23.8 | 25.3 | 20.9 | 19.0 | 20.0 |
| 25 | --- | --- | --- | --- | --- | --- | 26.3 | 22.6 | 24.6 | 20.2 | 18.5 | 19.4 |
| 26 | --- | --- | --- | --- | --- | --- | 24.1 | 22.6 | 23.3 | 20.1 | 19.2 | 19.6 |
| 27 | --- | --- | --- | --- | --- | --- | 22.6 | 21.6 | 22.1 | 22.4 | 19.8 | 21.1 |
| 28 | --- | --- | --- | --- | --- | --- | 21.6 | 20.8 | 21.2 | 22.2 | 20.9 | 21.4 |
| 29 | --- | --- | --- | --- | --- | --- | 21.3 | 20.4 | 20.8 | 21.3 | 19.2 | 20.4 |
| 30 | --- | --- | --- | --- | --- | --- | 20.9 | 20.2 | 20.5 | 19.7 | 17.4 | 18.8 |
| 31 | --- | --- | --- | --- | --- | --- | 20.4 | 20.1 | 20.3 | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | 24.4 | 16.8 | 20.7 |

0209695780 BROOKS CREEK AT EDDIE PERRY ROAD NEAR BYNUM, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | |
| 1 | 20.8 | 18.5 | 19.6 | 11.1 | 9.3 | 10.2 | 6.8 | 4.4 | 5.7 | 11.7 | 8.5 | 10.2 |
| 2 | 21.3 | 18.6 | 20.0 | 10.3 | 8.4 | 9.2 | 4.5 | 3.4 | 4.1 | 10.0 | 8.5 | 9.1 |
| 3 | 21.8 | 19.4 | 20.6 | 9.9 | 8.6 | 9.3 | 5.7 | 4.4 | 4.9 | 9.6 | 8.0 | 9.1 |
| 4 | 22.2 | 19.8 | 21.0 | 10.9 | 9.8 | 10.3 | 4.7 | 2.0 | 3.7 | 8.0 | 5.3 | 6.7 |
| 5 | 22.9 | 20.7 | 21.8 | 11.2 | 10.9 | 11.0 | 4.0 | 1.4 | 2.6 | 6.2 | 4.0 | 5.0 |
| 6 | 21.8 | 19.2 | 20.5 | 12.4 | 11.1 | 11.7 | 5.2 | 4.0 | 4.5 | 6.5 | 4.8 | 5.5 |
| 7 | 21.0 | 18.7 | 19.9 | 11.3 | 9.5 | 10.4 | 4.6 | 2.7 | 3.7 | 5.2 | 2.9 | 3.9 |
| 8 | 20.0 | 16.8 | 17.8 | 10.6 | 7.9 | 9.2 | 5.1 | 2.9 | 4.0 | 6.2 | 3.6 | 4.7 |
| 9 | 17.7 | 16.2 | 16.9 | 12.0 | 9.0 | 10.3 | 5.5 | 4.4 | 4.9 | 8.6 | 5.3 | 6.7 |
| 10 | 18.2 | 16.2 | 17.1 | 14.2 | 11.4 | 12.5 | 5.3 | 4.2 | 4.7 | 8.0 | 6.5 | 7.4 |
| 11 | 19.6 | 17.8 | 18.8 | 15.8 | 14.2 | 15.2 | 5.8 | 5.0 | 5.5 | 6.5 | 3.9 | 4.8 |
| 12 | 20.7 | 19.2 | 19.8 | 15.7 | 14.1 | 15.2 | 8.0 | 5.6 | 6.5 | 4.2 | 2.1 | 3.0 |
| 13 | 19.7 | 18.8 | 19.3 | 14.1 | 11.6 | 13.2 | 6.5 | 6.1 | 6.2 | 3.7 | 1.5 | 2.6 |
| 14 | 19.3 | 16.1 | 17.6 | 11.7 | 9.5 | 10.7 | 7.8 | 6.4 | 7.0 | 4.7 | 2.0 | 3.3 |
| 15 | 16.1 | 14.5 | 14.9 | 11.7 | 8.9 | 10.3 | 7.1 | 5.2 | 6.2 | 4.5 | 2.6 | 3.3 |
| 16 | 16.1 | 14.5 | 15.4 | 12.7 | 11.4 | 12.0 | 7.8 | 4.8 | 6.3 | 3.3 | 1.3 | 2.3 |
| 17 | 15.5 | 13.9 | 14.8 | 12.5 | 11.1 | 12.0 | 6.8 | 4.9 | 5.9 | 3.2 | 2.0 | 2.6 |
| 18 | 14.4 | 12.0 | 13.2 | 11.1 | 8.9 | 9.9 | 7.3 | 5.1 | 6.1 | 2.4 | 0.1 | 0.9 |
| 19 | 13.6 | 11.3 | 12.6 | 9.8 | 7.3 | 8.6 | 8.0 | 6.5 | 7.1 | 1.2 | 0.0 | 0.5 |
| 20 | 15.1 | 13.2 | 14.0 | 10.2 | 7.6 | 8.8 | 10.7 | 8.0 | 9.8 | 3.5 | 0.3 | 1.6 |
| 21 | 15.4 | 14.2 | 15.0 | 10.7 | 8.9 | 9.7 | 8.9 | 6.4 | 7.5 | 3.4 | 2.2 | 2.7 |
| 22 | 14.2 | 13.4 | 13.7 | 10.4 | 9.0 | 9.7 | 8.1 | 5.1 | 6.5 | 3.0 | 1.1 | 2.1 |
| 23 | 13.7 | 12.3 | 13.1 | 9.0 | 6.9 | 7.7 | 7.4 | 5.1 | 6.3 | 2.9 | 0.0 | 1.2 |
| 24 | 13.6 | 13.1 | 13.4 | 8.4 | 6.1 | 7.3 | 7.0 | 6.0 | 6.4 | 0.8 | 0.0 | 0.3 |
| 25 | 13.5 | 13.3 | 13.4 | 8.7 | 7.0 | 7.9 | 7.1 | 5.9 | 6.7 | 1.1 | 0.0 | 0.4 |
| 26 | 14.2 | 13.0 | 13.6 | 8.7 | 7.3 | 7.9 | 6.0 | 4.7 | 5.4 | 1.6 | 0.0 | 0.7 |
| 27 | 14.7 | 13.7 | 14.1 | 8.2 | 6.9 | 7.7 | 5.3 | 3.2 | 4.3 | 1.6 | 0.2 | 0.9 |
| 28 | 14.7 | 14.0 | 14.4 | 6.9 | 4.7 | 5.6 | 5.1 | 2.6 | 3.9 | 1.4 | 0.0 | 0.6 |
| 29 | 14.0 | 12.7 | 13.3 | 4.7 | 3.6 | 4.2 | 6.1 | 3.0 | 4.4 | 3.7 | 1.4 | 2.3 |
| 30 | 12.7 | 11.8 | 12.1 | 7.1 | 4.6 | 6.0 | 6.7 | 3.7 | 5.1 | 3.8 | 3.3 | 3.7 |
| 31 | 12.1 | 10.8 | 11.4 | --- | --- | --- | 8.6 | 5.2 | 6.7 | 3.8 | 2.9 | 3.3 |
| MONTH | 22.9 | 10.8 | 16.2 | 15.8 | 3.6 | 9.8 | 10.7 | 1.4 | 5.6 | 11.7 | 0.0 | 3.6 |
| | | FEBRUARY | | | MARCH | | | APRIL | | | MAY | |
| 1 | 6.0 | 3.8 | 4.6 | 7.9 | 6.4 | 7.1 | 14.1 | 8.2 | 11.0 | 19.1 | 16.6 | 17.8 |
| 2 | 6.1 | 3.5 | 4.6 | 10.1 | 7.5 | 8.7 | 17.4 | 11.3 | 14.1 | 20.2 | 16.5 | 18.4 |
| 3 | 7.8 | 3.8 | 5.6 | 10.4 | 7.4 | 8.9 | 18.8 | 12.8 | 15.7 | 19.2 | 17.4 | 18.1 |
| 4 | 10.5 | 7.5 | 8.7 | 10.6 | 6.5 | 8.6 | 18.1 | 13.9 | 16.1 | 17.6 | 15.4 | 16.3 |
| 5 | 7.8 | 5.2 | 6.5 | 12.5 | 9.7 | 10.9 | 17.5 | 14.8 | 16.0 | 15.4 | 13.6 | 14.1 |
| 6 | 6.0 | 4.3 | 4.8 | 12.3 | 11.1 | 11.7 | 17.2 | 13.6 | 15.4 | 16.1 | 13.8 | 14.9 |
| 7 | 5.7 | 4.2 | 4.9 | 11.8 | 7.7 | 9.6 | 15.5 | 11.0 | 12.3 | 18.6 | 15.6 | 16.9 |
| 8 | 5.9 | 3.7 | 4.7 | 11.3 | 6.1 | 8.6 | 11.0 | 10.3 | 10.7 | 20.8 | 17.3 | 19.0 |
| 9 | 6.1 | 3.4 | 4.5 | 13.7 | 8.9 | 11.1 | 10.4 | 9.5 | 10 | 21.5 | 18.6 | 20.1 |
| 10 | 5.6 | 4.4 | 4.8 | 12.5 | 8.8 | 10.5 | 10.1 | 9.0 | 9.4 | 22.0 | 19.5 | 20.8 |
| 11 | 6.5 | 3.1 | 4.7 | 10.8 | 7.4 | 9.0 | 10.7 | 9.4 | 9.9 | 21.2 | 19.8 | 20.5 |
| 12 | 7.1 | 3.6 | 5.1 | 13.4 | 7.1 | 10.1 | 14.7 | 9.3 | 11.8 | 20.3 | 17.7 | 19.0 |
| 13 | 6.0 | 2.4 | 4.2 | 14.7 | 9.6 | 12.0 | 15.9 | 10.9 | 13.4 | 19.0 | 16.0 | 17.5 |
| 14 | 5.3 | 3.3 | 4.3 | 14.2 | 11.3 | 12.7 | 16.3 | 11.7 | 14.0 | 18.5 | 14.7 | 16.7 |
| 15 | 6.9 | 5.3 | 6.1 | 11.3 | 9.6 | 10.1 | 17.9 | 12.7 | 15.2 | 17.4 | 16.3 | 16.8 |
| 16 | 6.2 | 0.5 | 3.7 | 11.3 | 9.8 | 10.5 | 19.0 | 13.8 | 16.2 | 18.0 | 15.7 | 16.8 |
| 17 | 2.0 | 0.0 | 0.9 | 13.2 | 11.3 | 12.1 | 18.6 | 14.1 | 16.3 | 17.8 | 16.0 | 16.9 |
| 18 | 6.3 | 2.0 | 3.6 | 13.8 | 12.3 | 13.0 | 15.9 | 12.4 | 13.4 | 16.0 | 14.4 | 15.1 |
| 19 | 5.6 | 2.6 | 4.0 | 13.2 | 11.4 | 12.4 | 12.9 | 11.8 | 12.3 | 14.8 | 13.8 | 14.3 |
| 20 | 7.1 | 4.8 | 5.8 | 11.4 | 9.6 | 10.3 | 15.3 | 12.0 | 13.4 | 17.5 | 13.5 | 15.4 |
| 21 | 6.7 | 5.2 | 6.1 | 13.2 | 10.1 | 11.4 | 15.2 | 13.0 | 14.1 | 16.8 | 15.4 | 16.1 |
| 22 | 8.7 | 6.6 | 7.5 | 14.5 | 10.6 | 12.6 | 16.9 | 14.2 | 15.3 | 16.4 | 15.6 | 15.9 |
| 23 | 9.9 | 7.6 | 8.9 | 14.8 | 10.5 | 12.7 | 16.0 | 12.0 | 14.1 | 16.1 | 15.6 | 15.9 |
| 24 | 9.8 | 5.6 | 7.7 | 16.3 | 11.2 | 13.6 | 15.1 | 11.1 | 13.2 | 17.4 | 15.8 | 16.5 |
| 25 | 9.6 | 6.8 | 8.2 | 16.8 | 10.7 | 13.7 | 14.2 | 13.2 | 13.7 | 17.9 | 16.2 | 17.0 |
| 26 | 8.0 | 5.6 | 6.6 | 18.0 | 12.5 | 15.1 | 15.4 | 13.8 | 14.4 | 18.7 | 17.4 | 18.0 |
| 27 | 5.6 | 4.2 | 4.9 | 17.5 | 13.4 | 15.3 | 16.5 | 13.5 | 14.9 | 18.1 | 16.7 | 17.4 |
| 28 | 6.4 | 4.2 | 5.3 | 17.4 | 12.8 | 15.2 | 17.8 | 13.4 | 15.5 | 18.0 | 14.9 | 16.5 |
| 29 | --- | --- | --- | 19.2 | 15.6 | 17.1 | 18.8 | 14.7 | 16.8 | 17.3 | 15.6 | 16.5 |
| 30 | --- | --- | --- | 17.5 | 10.6 | 13.4 | 18.7 | 16.1 | 17.5 | 18.2 | 15.0 | 16.6 |
| 31 | --- | --- | --- | 12.2 | 8.7 | 10.4 | --- | --- | --- | 17.9 | 15.9 | 16.9 |
| MONTH | 10.5 | 0.0 | 5.4 | 19.2 | 6.1 | 11.6 | 19.0 | 8.2 | 13.9 | 22.0 | 13.5 | 17.1 |

0209695780 BROOKS CREEK AT EDDIE PERRY ROAD NEAR BYNUM, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | |
| 1 | 18.6 | 15.9 | 17.2 | 22.6 | 21.3 | 21.8 | 24.6 | 22.5 | 23.3 | 25.0 | 22.2 | 23.4 |
| 2 | 18.0 | 14.8 | 16.5 | 21.5 | 19.8 | 20.7 | 23.3 | 22.5 | 22.8 | 25.2 | 22.5 | 23.8 |
| 3 | 17.9 | 15.9 | 17.1 | 21.4 | 20.7 | 21.1 | 24.2 | 22.0 | 23.0 | 25.3 | 22.8 | 24.0 |
| 4 | 19.1 | 17.4 | 18.2 | 23.3 | 19.7 | 21.4 | 24.0 | 22.6 | 23.3 | 25.2 | 22.6 | 23.8 |
| 5 | 20.5 | 18.0 | 19.2 | 24.5 | 21.2 | 22.8 | 23.7 | 21.3 | 22.5 | 23.7 | 21.3 | 22.3 |
| 6 | 19.7 | 16.7 | 18.4 | 25.0 | 22.1 | 23.5 | 23.4 | 21.7 | 22.5 | 22.0 | 19.6 | 20.5 |
| 7 | 19.8 | 18.7 | 19.2 | 24.4 | 22.4 | 23.5 | 23.5 | 22.1 | 22.8 | 21.2 | 18.8 | 19.8 |
| 8 | 20.8 | 19.0 | 19.7 | 25.8 | 22.4 | 24.0 | 23.3 | 21.8 | 22.5 | 20.7 | 19.7 | 20.1 |
| 9 | 22.0 | 19.1 | 20.4 | 26.3 | 23.2 | 24.6 | 23.7 | 22.0 | 22.8 | 21.4 | 18.9 | 20.0 |
| 10 | 21.9 | 18.6 | 20.4 | 25.4 | 22.5 | 24.0 | 23.0 | 21.7 | 22.4 | 20.4 | 18.9 | 19.6 |
| 11 | 21.9 | 18.9 | 20.5 | 25.8 | 22.9 | 24.2 | 23.6 | 21.6 | 22.5 | 20.5 | 17.1 | 18.6 |
| 12 | 22.9 | 20.2 | 21.4 | 25.0 | 22.3 | 23.5 | 24.2 | 22.0 | 23.0 | 19.5 | 18.3 | 18.8 |
| 13 | 22.6 | 20.6 | 21.6 | 23.6 | 22.0 | 22.8 | 24.8 | 22.2 | 23.4 | 19.9 | 18.7 | 19.3 |
| 14 | 23.6 | 20.9 | 22.2 | 23.0 | 21.6 | 22.3 | 24.7 | 22.8 | 23.7 | 21.6 | 19.6 | 20.4 |
| 15 | 23.0 | 21.5 | 22.2 | 23.7 | 21.4 | 22.6 | 25.1 | 22.2 | 23.6 | 22.6 | 19.9 | 21.1 |
| 16 | 22.1 | 21.0 | 21.5 | 25.3 | 21.9 | 23.4 | 24.4 | 22.8 | 23.7 | 22.3 | 20.0 | 21.0 |
| 17 | 21.0 | 19.8 | 20.1 | 24.9 | 22.5 | 23.7 | 24.6 | 22.7 | 23.6 | 20.1 | 17.3 | 18.9 |
| 18 | 21.1 | 19.5 | 20.2 | 25.4 | 22.7 | 24.0 | 24.4 | 21.8 | 23.2 | 19.1 | 18.0 | 18.4 |
| 19 | 21.5 | 20.0 | 20.7 | 24.1 | 22.2 | 22.9 | 23.5 | 21.9 | 22.7 | 21.1 | 17.9 | 19.2 |
| 20 | 21.2 | 19.7 | 20.6 | 24.7 | 21.2 | 22.9 | 24.4 | 22.0 | 23.0 | 21.0 | 17.8 | 19.5 |
| 21 | 20.6 | 18.4 | 19.4 | 25.3 | 22.4 | 23.7 | 24.7 | 21.9 | 23.3 | 21.3 | 18.5 | 20.0 |
| 22 | 20.4 | 17.2 | 18.8 | 25.9 | 23.2 | 24.3 | 24.1 | 22.5 | 23.1 | 21.4 | 20.3 | 20.8 |
| 23 | 21.2 | 17.6 | 19.4 | 24.0 | 22.2 | 22.6 | 24.3 | 21.5 | 22.9 | 21.8 | 20.4 | 21.1 |
| 24 | 21.8 | 18.0 | 20.0 | 24.0 | 21.8 | 22.7 | 23.8 | 22.0 | 23.0 | 20.5 | 18.0 | 19.4 |
| 25 | 22.7 | 19.1 | 20.9 | 24.0 | 21.0 | 22.6 | 23.9 | 20.9 | 22.4 | 20.2 | 17.2 | 18.9 |
| 26 | 23.5 | 19.8 | 21.7 | 24.8 | 21.7 | 23.2 | 25.0 | 21.9 | 23.3 | 20.1 | 17.6 | 19.1 |
| 27 | 23.6 | 21.0 | 22.4 | 25.4 | 22.2 | 23.8 | 25.6 | 22.5 | 24.0 | 20.6 | 17.9 | 19.3 |
| 28 | 22.9 | 20.9 | 21.7 | 26.3 | 23.3 | 24.6 | 26.0 | 23.4 | 24.6 | 20.6 | 18.6 | 19.6 |
| 29 | 23.3 | 19.9 | 21.5 | 26.1 | 23.3 | 24.5 | 26.3 | 23.4 | 24.7 | 18.6 | 15.9 | 17.0 |
| 30 | 23.6 | 21.2 | 22.4 | 23.4 | 22.8 | 23.2 | 26.5 | 23.6 | 24.9 | 16.4 | 13.6 | 15.0 |
| 31 | --- | --- | --- | 23.5 | 22.2 | 22.8 | 24.9 | 22.8 | 23.8 | --- | --- | --- |
| MONTH | 23.6 | 14.8 | 20.2 | 26.3 | 19.7 | 23.2 | 26.5 | 20.9 | 23.2 | 25.3 | 13.6 | 20.1 |

TEMPERATURE, WATER, DEGREES CELSIUS
OCTOBER TO NOVEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | |
| 1 | 15.6 | 13.4 | 14.5 | 14.4 | 12.1 | 13.4 | --- | --- | --- | --- | --- | --- |
| 2 | 15.8 | 13.8 | 14.6 | 15.2 | 13.0 | 14.1 | --- | --- | --- | --- | --- | --- |
| 3 | 13.8 | 11.2 | 12.6 | 15.3 | 13.1 | 14.3 | --- | --- | --- | --- | --- | --- |
| 4 | 15.3 | 12.1 | 13.6 | 16.8 | 14.4 | 15.6 | --- | --- | --- | --- | --- | --- |
| 5 | 16.0 | 13.7 | 14.8 | 18.3 | 16.3 | 17.3 | --- | --- | --- | --- | --- | --- |
| 6 | 15.8 | 13.8 | 14.7 | 19.4 | 17.7 | 18.6 | --- | --- | --- | --- | --- | --- |
| 7 | 17.0 | 15.0 | 15.8 | 19.1 | 18.2 | 18.7 | --- | --- | --- | --- | --- | --- |
| 8 | 16.5 | 15.9 | 16.2 | 18.3 | 14.1 | 16.2 | --- | --- | --- | --- | --- | --- |
| 9 | 17.8 | 16.5 | 17.1 | 14.1 | 10.5 | 12.2 | --- | --- | --- | --- | --- | --- |
| 10 | 17.7 | 16.7 | 17.2 | 10.9 | 8.7 | 9.9 | --- | --- | --- | --- | --- | --- |
| 11 | 17.4 | 17.0 | 17.2 | 11.2 | 8.7 | 10.1 | --- | --- | --- | --- | --- | --- |
| 12 | 18.9 | 16.9 | 17.7 | 14.7 | 11.0 | 12.9 | --- | --- | --- | --- | --- | --- |
| 13 | 18.8 | 17.1 | 18.0 | 14.8 | 10.3 | 13.3 | --- | --- | --- | --- | --- | --- |
| 14 | 18.2 | 17.8 | 18.0 | 10.3 | 7.8 | 8.8 | --- | --- | --- | --- | --- | --- |
| 15 | 17.8 | 15.5 | 16.3 | 9.6 | 7.6 | 8.6 | --- | --- | --- | --- | --- | --- |
| 16 | 15.5 | 12.7 | 14.0 | 12.6 | 9.6 | 11.0 | --- | --- | --- | --- | --- | --- |
| 17 | 14.9 | 12.6 | 13.8 | 15.0 | 12.4 | 13.7 | --- | --- | --- | --- | --- | --- |
| 18 | 15.7 | 13.9 | 14.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | 14.5 | 12.2 | 13.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 15.0 | 12.6 | 13.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | 16.0 | 13.4 | 14.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22 | 16.2 | 14.1 | 15.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | 14.1 | 12.2 | 13.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | 12.5 | 10.5 | 11.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | 13.2 | 11.1 | 12.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26 | 15.0 | 13.2 | 14.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 27 | 16.2 | 15.0 | 15.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | 15.9 | 13.3 | 14.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29 | 14.4 | 12.5 | 13.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | 13.9 | 11.0 | 12.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | 13.8 | 11.5 | 12.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | 18.9 | 10.5 | 14.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |