02089500 NEUSE RIVER AT KINSTON, NC-Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950, 1955-56, 1959-67, 1973 to current year.

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: July 1973 to September 1986, March 2002 to July 2004.
WATER TEMPERATURE: October 1949 to September 1950, January 1955 to September 1956, July 1973 to September 1986, March 2002 to May 2003, January to August 2004.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from March 2002 to August 2004. Water-quality monitor from October 1981 to September 1986.

REMARKS.—Station operated as part of NAWQA Program from March 1993 to current year. Station also operated as part of NASQAN network from October 1974 to September 1994. Daily records of specific conductance for January 1955 to September 1956 are available in the files of the District Office in Raleigh, NC. The water temperature data from June 17 to September 30, 2003 was revised.

EXTREMES FOR PERIOD OF DAILY RECORD.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
|------------------------------------|---------------------------------|---|
| SPECIFIC CONDUCTANCE, microsiemens | 248, August 17, 2002 | 43, March 28, 1975 (daily) |
| WATER TEMPERATURE, °C | 36.0, July 13, 14, 19, 20, 1986 | 0.0, February 7, 1978, January 13, 1981 (daily) |

EXTREMES FOR CURRENT YEAR .--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
|------------------------------------|------------------|------------------|
| SPECIFIC CONDUCTANCE, microsiemens | 199, February 3 | 77, December 19 |
| WATER TEMPERATURE, °C | 32.0, July 21 | 2.7, January 28 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| Date | Time | Medium code | Instantaneous discharge, cfs (00061) | Baro- metric pres- sure, mm Hg (00025) | Dis- solved 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) | Temper- ature, water, deg C (00010) | Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086) | Bicarbonate, wat flt incrm. titr., field, mg/L (00453) | Chloride, water, fltrd, mg/L (00940) | Sulfate water, fltrd, mg/L (00945) |
|-----------|------|----------------|--------------------------------------|---|--|---|---|---|---|---|--|--|--|
| OCT | | | | | | | | | | | | | |
| 22 | 1000 | 9 | 1,460 | 750 | 8.3 | 89 | 7.1 | 127 | 17.9 | 20 | 25 | 12.7 | 8.8 |
| DEC 23 | 1000 | 9 | 6,710 | 765 | 16.6 | 132 | 6.5 | 85 | 5.7 | 12 | 15 | 9.01 | 7.5 |
| FEB | 1000 | | 0,710 | 703 | 10.0 | 132 | 0.5 | 0.5 | 5.7 | 12 | 13 | 7.01 | 7.5 |
| 18 | 1000 | 9 | 5,720 | 765 | 11.4 | 91 | 6.7 | 94 | 5.8 | 12 | 15 | 11.4 | 7.9 |
| MAR | 1000 | 0 | 1.040 | 756 | 0.5 | 0.1 | (7 | 100 | 12.2 | 20 | 24 | 12.0 | 0.2 |
| 16 APR | 1000 | 9 | 1,940 | 756 | 9.5 | 91 | 6.7 | 109 | 13.2 | 20 | 24 | 13.8 | 9.3 |
| 14 | 1100 | 9 | 2,650 | 754 | 7.8 | 82 | 6.7 | 113 | 17.4 | 13 | 16 | 12.9 | 8.4 |
| MAY | | | | | | | | | | | | | |
| 13 | 1130 | 9 | 1,760 | 769 | 6.3 | 74 | 6.2 | 120 | 24.0 | 20 | 24 | 12.9 | 8.8 |
| JUN | 1000 | 0 | 4.200 | 767 | <i>5</i> 4 | 65 | - 7 | 77 | 247 | 10 | 10 | 0.10 | 6.0 |
| 09 JUL | 1230 | 9 | 4,390 | 767 | 5.4 | 65 | 5.7 | 77 | 24.7 | 10 | 12 | 8.10 | 6.9 |
| 14 | 1100 | 9 | 1,530 | 754 | 5.2 | 69 | 6.9 | 137 | 29.8 | 20 | 24 | 16.1 | 10.5 |
| AUG | | | -, | , - | | | | | | | | | |
| 18 | 1200 | 9 | 5,490 | 762 | 5.8 | 68 | 5.8 | 78 | 23.4 | | | 7.43 | 7.3 |
| SEP | 1200 | ^ | 1.160 | = | | | | 0.0 | 21.0 | | 4.0 | 0.40 | |
| 22 | 1200 | 9 | 4,160 | 766 | 6.2 | 69 | 6.6 | 82 | 21.0 | 16 | 19 | 8.49 | 4.7 |

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

| Date | Ammonia water, fltrd, mg/L (71846) | Ammonia water, fltrd, mg/L as N (00608) | Nitrate water, fltrd, mg/L (71851) | Nitrate water, fltrd, mg/L as N (00618) | Nitrite + nitrate water fltrd, mg/L as N (00631) | Nitrite water, fltrd, mg/L (71856) | Nitrite water, fltrd, mg/L as N (00613) | Particulate nitrogen, susp, water, mg/L (49570) | Ortho- phos- phate, water, fltrd, mg/L (00660) | Ortho- phos- phate, water, fltrd, mg/L as P (00671) | Phosphorus, water, unfltrd mg/L (00665) | Total nitro- gen, wat unf by anal ysis, mg/L (62855) | Total carbon, suspnd sedimnt total, mg/L (00694) |
|---|---|---|--|---|--|--|---|---|--|---|---|---|---|
| OCT | | . 0.4 | | | 57 | | . 000 | 02 | 107 | 025 | 000 | 0.5 | 2 |
| 22 DEC | | <.04 | | | .57 | | <.008 | .03 | .107 | .035 | .099 | .95 | .3 |
| 23 FEB | | <.04 | | | .56 | | <.008 | .08 | .031 | .010 | .055 | .99 | .6 |
| 18 MAR | | <.04 | | | .54 | | E.004 | .14 | .021 | .007 | .072 | 1.00 | 1.0 |
| 16 APR | | <.04 | 2.93 | .66 | .67 | .030 | .009 | .10 | .037 | .012 | .074 | 1.07 | 1.0 |
| 14 MAY | .14 | .11 | 4.05 | .92 | .93 | .030 | .009 | .15 | .144 | .047 | .186 | 1.65 | 1.5 |
| 13 JUN | .08 | .06 | 3.37 | .76 | .78 | .043 | .013 | .07 | .159 | .052 | .155 | 1.36 | .7 |
| 09 | | <.04 | 1.26 | .28 | .30 | .046 | .014 | .07 | .058 | .019 | .126 | .92 | .6 |
| JUL 14 | | E.02 | 2.49 | .56 | .57 | .026 | .008 | .13 | .135 | .044 | .128 | 1.08 | 1.5 |
| AUG 18 | | <.04 | | | .45 | | <.008 | .07 | .083 | .027 | .121 | 1.02 | .7 |
| SEP 22 | | <.04 | | | .30 | | <.008 | .11 | .089 | .029 | .111 | .89 | 1.0 |
| | | | | | | | | | | | | | |
| Date | Inorganic carbon, suspnd sedimnt total, mg/L (00688) | Organic carbon, suspnd sedimnt total, mg/L (00689) | Organic carbon, water, fltrd, mg/L (00681) | 2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660) | CIAT, water, fltrd, ug/L (04040) | Aceto- chlor, water, fltrd, ug/L (49260) | Ala- chlor, water, fltrd, ug/L (46342) | alpha- HCH, water, fltrd, ug/L (34253) | Atra- zine, water, fltrd, ug/L (39632) | Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686) | Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673) | Butylate, water, fltrd, ug/L (04028) | Carbaryl, water, fltrd 0.7u GF ug/L (82680) |
| OCT 22 | ganic carbon, suspnd sedimnt total, mg/L | carbon, suspnd sedimnt total, mg/L | carbon, water, fltrd, mg/L | ethyl- aniline water fltrd 0.7u GF ug/L | water, fltrd, ug/L | chlor, water, fltrd, ug/L | chlor, water, fltrd, ug/L | HCH, water, fltrd, ug/L | zine, water, fltrd, ug/L | phos- methyl, water, fltrd 0.7u GF ug/L | flur- alin, water, fltrd 0.7u GF ug/L | ate, water, fltrd, ug/L | baryl, water, fltrd 0.7u GF ug/L |
| OCT 22 DEC 23 | ganic carbon, suspnd sedimnt total, mg/L (00688) | carbon, suspnd sedimnt total, mg/L (00689) | carbon, water, fltrd, mg/L (00681) | ethyl- aniline water fltrd 0.7u GF ug/L (82660) | water, fltrd, ug/L (04040) | chlor, water, fltrd, ug/L (49260) | chlor, water, fltrd, ug/L (46342) | HCH, water, fltrd, ug/L (34253) | zine, water, fltrd, ug/L (39632) | phos- methyl, water, fltrd 0.7u GF ug/L (82686) | flur- alin, water, fltrd 0.7u GF ug/L (82673) | ate, water, fltrd, ug/L (04028) | baryl, water, fltrd 0.7u GF ug/L (82680) |
| OCT 22 DEC 23 FEB 18 | ganic carbon, suspnd sedimnt total, mg/L (00688) | carbon, suspnd sedimnt total, mg/L (00689) | carbon, water, fltrd, mg/L (00681) | ethyl- aniline water fltrd 0.7u GF ug/L (82660) | water, fltrd, ug/L (04040) E.005 | chlor, water, fltrd, ug/L (49260) | chlor, water, fltrd, ug/L (46342) <.004 | HCH, water, fltrd, ug/L (34253) | zine, water, fltrd, ug/L (39632) | phos- methyl, water, fltrd 0.7u GF ug/L (82686) | fluralin, water, fltrd 0.7u GF ug/L (82673) | ate, water, fltrd, ug/L (04028) <.002 | baryl, water, fltrd 0.7u GF ug/L (82680) E.008 |
| OCT 22 DEC 23 FEB 18 MAR 16 | ganic carbon, suspnd sedimnt total, mg/L (00688) | carbon, suspnd sedimnt total, mg/L (00689) | carbon, water, fltrd, mg/L (00681) 5.7 6.4 | ethyl- aniline water fltrd 0.7u GF ug/L (82660) <.006 | water, fltrd, ug/L (04040) E.005 E.006 | chlor, water, fltrd, ug/L (49260) <.006 | chlor, water, fltrd, ug/L (46342) <.004 <.005 | HCH, water, fltrd, ug/L (34253) <.005 <.005 | zine, water, fltrd, ug/L (39632) .018 | phos- methyl, water, fltrd 0.7u GF ug/L (82686) <.050 | fluralin, water, fltrd 0.7u GF ug/L (82673) <.010 | ate, water, fltrd, ug/L (04028) <.002 <.004 | baryl, water, fltrd 0.7u GF ug/L (82680) E.008 |
| OCT 22 DEC 23 FEB 18 MAR 16 APR 14 | ganic carbon, suspnd sedimnt total, mg/L (00688) <.1 <.1 <.1 | carbon, suspnd sedimnt total, mg/L (00689) .3 .6 | carbon, water, fltrd, mg/L (00681) 5.7 6.4 6.9 | ethyl- aniline water fltrd 0.7u GF ug/L (82660) <.006 <.006 | water, fltrd, ug/L (04040) E.005 E.006 <.006 | chlor, water, fltrd, ug/L (49260) <.006 <.006 | chlor, water, fltrd, ug/L (46342) <.004 <.005 <.005 | HCH, water, fltrd, ug/L (34253) <.005 <.005 | zine, water, fltrd, ug/L (39632) .018 .021 .046 | phosmethyl, water, fltrd 0.7u GF ug/L (82686) < .050 < .050 | fluralin, water, fltrd 0.7u GF ug/L (82673) <.010 <.010 | ate, water, fltrd, ug/L (04028) <.002 <.004 | baryl, water, fltrd 0.7u GF ug/L (82680) E.008 <.041 E.013 |
| OCT 22 DEC 23 FEB 18 MAR 16 APR 14 MAY 13 | ganic carbon, suspnd sedimnt total, mg/L (00688) <.1 <.1 <.1 <.1 | carbon, suspnd sedimnt total, mg/L (00689) .3 .6 1.0 | carbon, water, fltrd, mg/L (00681) 5.7 6.4 6.9 | ethyl- aniline water fltrd 0.7u GF ug/L (82660) <.006 <.006 <.006 | water, fltrd, ug/L (04040) E.005 E.006 <.006 | chlor, water, fltrd, ug/L (49260) <.006 <.006 <.006 | chlor, water, fltrd, ug/L (46342) <.004 <.005 <.005 | HCH, water, fltrd, ug/L (34253) <.005 <.005 <.005 <.005 | zine, water, fltrd, ug/L (39632) .018 .021 .046 | phosmethyl, water, fltrd 0.7u GF ug/L (82686) <.050 <.050 <.050 <.050 | fluralin, water, fltrd 0.7u GF ug/L (82673) <.010 <.010 <.010 <.010 | ate, water, fltrd, ug/L (04028) <.002 <.004 <.004 | baryl, water, fltrd 0.7u GF ug/L (82680) E.008 <.041 E.013 <.041 |
| OCT 22 DEC 23 FEB 18 MAR 16 APR 14 MAY 13 JUN 09 | ganic carbon, suspnd sedimnt total, mg/L (00688) <.1 <.1 <.1 <.1 <.1 | carbon, suspnd sedimnt total, mg/L (00689) .3 .6 1.0 1.0 | carbon, water, fltrd, mg/L (00681) 5.7 6.4 6.9 6.1 7.2 | ethyl-aniline water fltrd 0.7u GF ug/L (82660) < .006 < .006 < .006 < .006 < .006 | water, fltrd, ug/L (04040) E.005 E.006 <.006 <.006 E.035 | chlor, water, fltrd, ug/L (49260) <.006 <.006 <.006 <.006 | chlor, water, fltrd, ug/L (46342) <.004 <.005 <.005 <.005 | HCH, water, fltrd, ug/L (34253) <.005 <.005 <.005 <.005 <.005 | zine, water, fltrd, ug/L (39632) .018 .021 .046 .020 1.30 | phosmethyl, water, fltrd 0.7u GF ug/L (82686) < .050 < .050 < .050 < .050 < .050 | fluralin, water, fltrd 0.7u GF ug/L (82673) < .010 < .010 < .010 < .010 < .010 | ate, water, fltrd, ug/L (04028) <.002 <.004 <.004 <.004 | baryl, water, fltrd 0.7u GF ug/L (82680) E.008 <.041 E.013 <.041 E.034 |
| OCT 22 DEC 23 FEB 18 MAR 16 APR 14 MAY 13 JUN 09 JUL 14 | ganic carbon, suspnd sedimnt total, mg/L (00688) <.1 <.1 <.1 <.1 <.1 <.1 <.1 | carbon, suspnd sedimnt total, mg/L (00689) .3 .6 1.0 1.5 .7 | carbon, water, fltrd, mg/L (00681) 5.7 6.4 6.9 6.1 7.2 | ethyl-aniline water fltrd 0.7u GF ug/L (82660) < .006 < .006 < .006 < .006 < .006 < .006 < .006 | water, fltrd, ug/L (04040) E.005 E.006 <.006 <.006 E.035 E.010 | chlor, water, fltrd, ug/L (49260) <.006 <.006 <.006 <.006 <.006 <.006 | chlor, water, fltrd, ug/L (46342) <.004 <.005 <.005 <.005 | HCH, water, fltrd, ug/L (34253) <.005 <.005 <.005 <.005 <.005 <.005 <.005 | zine, water, fltrd, ug/L (39632) .018 .021 .046 .020 1.30 .117 | phosmethyl, water, fltrd 0.7u GF ug/L (82686) < .050 < .050 < .050 < .050 < .050 < .050 < .050 | fluralin, water, fltrd 0.7u GF ug/L (82673) <.010 <.010 <.010 <.010 <.010 <.010 | ate, water, fltrd, ug/L (04028) <.002 <.004 <.004 <.004 <.004 <.004 | baryl, water, fltrd 0.7u GF ug/L (82680) E.008 <.041 E.013 <.041 E.034 E.017 |
| OCT 22 DEC 23 FEB 18 MAR 16 APR 14 MAY 13 JUN 09 JUL | ganic carbon, suspnd sedimnt total, mg/L (00688) <.1 <.1 <.1 <.1 <.1 <.1 <.1 <.1 | carbon, suspnd sedimnt total, mg/L (00689) .3 .6 1.0 1.5 .7 .6 | carbon, water, fltrd, mg/L (00681) 5.7 6.4 6.9 6.1 7.2 7.4 | ethyl-aniline water fltrd 0.7u GF ug/L (82660) < .006 < .006 < .006 < .006 < .006 < .006 < .006 < .006 < .006 | water, fltrd, ug/L (04040) E.005 E.006 <.006 <.006 E.035 E.010 E.008 | chlor, water, fltrd, ug/L (49260) <.006 <.006 <.006 <.006 <.006 <.006 <.006 <.006 | chlor, water, fltrd, ug/L (46342) <.004 <.005 <.005 <.005 .877 .011 <.005 | HCH, water, fltrd, ug/L (34253) <.005 <.005 <.005 <.005 <.005 <.005 <.005 <.005 | zine, water, fltrd, ug/L (39632) .018 .021 .046 .020 1.30 .117 | phosmethyl, water, fltrd 0.7u GF ug/L (82686) < .050 < .050 < .050 < .050 < .050 < .050 < .050 < .050 | fluralin, water, fltrd 0.7u GF ug/L (82673) <.010 <.010 <.010 <.010 <.010 <.010 <.010 | ate, water, fltrd, ug/L (04028) <.002 <.004 <.004 <.004 <.004 <.004 <.004 | baryl, water, fltrd 0.7u GF ug/L (82680) E.008 <.041 E.013 <.041 E.034 E.017 |

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

| Date | Carbo- furan, water, fltrd 0.7u GF ug/L (82674) | Chlor- pyrifos water, fltrd, ug/L (38933) | cis- Per- methrin water fltrd 0.7u GF ug/L (82687) | Cyana- zine, water, fltrd, ug/L (04041) | DCPA, water fltrd 0.7u GF ug/L (82682) | Desulf- inyl fipro- nil, water, fltrd, ug/L (62170) | Diazi- non, water, fltrd, ug/L (39572) | Dieldrin, water, fltrd, ug/L (39381) | Disulfoton, water, fltrd 0.7u GF ug/L (82677) | EPTC, water, fltrd 0.7u GF ug/L (82668) | Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663) | Etho- prop, water, fltrd 0.7u GF ug/L (82672) | Desulf- inyl- fipro- nil amide, wat flt ug/L (62169) |
|---|--|---|---|--|--|--|---|---|---|--|---|--|---|
| OCT | | | | | | | | | | | | | |
| 22 DEC | <.020 | <.005 | <.006 | <.018 | <.003 | <.004 | E.004 | <.005 | <.02 | <.002 | <.009 | <.005 | <.009 |
| 23 FEB | <.020 | <.005 | <.006 | <.018 | <.003 | <.012 | <.005 | <.009 | <.02 | <.004 | <.009 | <.005 | <.029 |
| 18 | <.020 | <.005 | <.006 | <.018 | <.003 | <.012 | <.005 | <.009 | <.02 | <.007 | <.009 | <.005 | <.029 |
| MAR 16 | <.020 | <.005 | <.006 | <.018 | <.003 | <.012 | <.005 | <.009 | <.02 | <.004 | <.009 | <.005 | <.029 |
| APR 14 | <.020 | <.005 | <.006 | <.018 | <.003 | E.004 | <.005 | <.009 | <.02 | <.004 | <.009 | <.005 | <.029 |
| MAY 13 | <.020 | <.005 | <.006 | <.018 | <.003 | E.004 | <.005 | <.009 | <.02 | <.004 | <.009 | <.005 | <.029 |
| JUN 09 | <.020 | <.005 | <.006 | <.018 | <.003 | E.003 | <.005 | <.009 | <.02 | E.002 | <.009 | <.005 | <.029 |
| JUL 14 | | | | | | | | | | | | | |
| AUG 18 | <.020 | <.005 | <.006 | <.018 | <.003 | <.012 | <.005 | <.009 | <.02 | <.004 | <.009 | <.005 | <.029 |
| SEP 22 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Date | Fipro- nil sulfide water, fltrd, ug/L (62167) | Fipronil sulfone water, fltrd, ug/L (62168) | Fipro- nil, water, fltrd, ug/L (62166) | Fonofos water, fltrd, ug/L (04095) | Lindane water, fltrd, ug/L (39341) | Linuron water fltrd 0.7u GF ug/L (82666) | Mala- thion, water, fltrd, ug/L (39532) | Methyl para- thion, water, fltrd 0.7u GF ug/L (82667) | Metola- chlor, water, fltrd, ug/L (39415) | Metri- buzin, water, fltrd, ug/L (82630) | Molinate, water, fltrd 0.7u GF ug/L (82671) | Napropamide, water, fltrd 0.7u GF ug/L (82684) | p,p-' DDE, water, fltrd, ug/L (34653) |
| OCT 22 | nil sulfide water, fltrd, ug/L | nil sulfone water, fltrd, ug/L | nil, water, fltrd, ug/L | water, fltrd, ug/L | water, fltrd, ug/L | water fltrd 0.7u GF ug/L | thion, water, fltrd, ug/L | para- thion, water, fltrd 0.7u GF ug/L | chlor, water, fltrd, ug/L | buzin, water, fltrd, ug/L | nate, water, fltrd 0.7u GF ug/L | amide, water, fltrd 0.7u GF ug/L | DDE, water, fltrd, ug/L |
| OCT 22 DEC 23 | nil sulfide water, fltrd, ug/L (62167) | nil sulfone water, fltrd, ug/L (62168) | nil, water, fltrd, ug/L (62166) | water, fltrd, ug/L (04095) | water, fltrd, ug/L (39341) | water fltrd 0.7u GF ug/L (82666) | thion, water, fltrd, ug/L (39532) | parathion, water, fltrd 0.7u GF ug/L (82667) | chlor, water, fltrd, ug/L (39415) | buzin, water, fltrd, ug/L (82630) | nate, water, fltrd 0.7u GF ug/L (82671) | amide, water, fltrd 0.7u GF ug/L (82684) | DDE, water, fltrd, ug/L (34653) |
| OCT 22 DEC 23 FEB 18 | nil sulfide water, fltrd, ug/L (62167) | nil sulfone water, fltrd, ug/L (62168) | nil, water, fltrd, ug/L (62166) | water, fltrd, ug/L (04095) | water, fltrd, ug/L (39341) <.004 | water fltrd 0.7u GF ug/L (82666) <.035 | thion, water, fltrd, ug/L (39532) <.027 | parathion, water, fltrd 0.7u GF ug/L (82667) | chlor, water, fltrd, ug/L (39415) | buzin, water, fltrd, ug/L (82630) | nate, water, fltrd 0.7u GF ug/L (82671) <.002 | amide, water, fltrd 0.7u GF ug/L (82684) <.007 | DDE, water, fltrd, ug/L (34653) |
| OCT 22 DEC 23 FEB 18 MAR 16 | nil sulfide water, fltrd, ug/L (62167) <.005 | nil sulfone water, fltrd, ug/L (62168) <.007 | nil, water, fltrd, ug/L (62166) <.010 | water, fltrd, ug/L (04095) <.003 <.003 | water, fltrd, ug/L (39341) <.004 <.004 | water fltrd 0.7u GF ug/L (82666) <.035 <.035 | thion, water, fltrd, ug/L (39532) <.027 <.027 | parathion, water, fltrd 0.7u GF ug/L (82667) <.006 | chlor, water, fltrd, ug/L (39415) E.011 | buzin, water, fltrd, ug/L (82630) <.006 | nate, water, fltrd 0.7u GF ug/L (82671) <.002 <.003 | amide, water, fltrd 0.7u GF ug/L (82684) <.007 | DDE, water, fltrd, ug/L (34653) <.003 |
| OCT 22 DEC 23 FEB 18 MAR 16 APR 14 | nil sulfide water, fltrd, ug/L (62167) <.005 <.013 | nil sulfone water, fltrd, ug/L (62168) <.007 <.024 <.024 | nil, water, fltrd, ug/L (62166) <.010 <.016 | water, fltrd, ug/L (04095) <.003 <.003 | water, fltrd, ug/L (39341) <.004 <.004 | water fltrd 0.7u GF ug/L (82666) < .035 < .035 | thion, water, fltrd, ug/L (39532) <.027 <.027 | para- thion, water, fltrd 0.7u GF ug/L (82667) <.006 <.015 | chlor, water, fltrd, ug/L (39415) E.011 .015 E.013 | buzin, water, fltrd, ug/L (82630) <.006 <.006 | nate, water, fltrd 0.7u GF ug/L (82671) <.002 <.003 | amide, water, fltrd 0.7u GF ug/L (82684) <.007 <.007 | DDE, water, fltrd, ug/L (34653) <.003 <.003 |
| OCT 22 DEC 23 FEB 18 MAR 16 APR 14 MAY 13 | nil sulfide water, fltrd, ug/L (62167) <.005 <.013 <.013 | nil sulfone water, fltrd, ug/L (62168) <.007 <.024 <.024 <.024 | nil, water, fltrd, ug/L (62166) <.010 <.016 <.016 | water, fltrd, ug/L (04095) <.003 <.003 <.003 | water, fltrd, ug/L (39341) <.004 <.004 <.004 | water fltrd 0.7u GF ug/L (82666) < .035 < .035 < .035 | thion, water, fltrd, ug/L (39532) <.027 <.027 <.027 | para- thion, water, fltrd 0.7u GF ug/L (82667) <.006 <.015 <.015 | chlor, water, fltrd, ug/L (39415) E.011 .015 E.013 | buzin, water, fltrd, ug/L (82630) <.006 <.006 <.006 | nate, water, fltrd 0.7u GF ug/L (82671) <.002 <.003 <.003 | amide, water, fltrd 0.7u GF ug/L (82684) <.007 <.007 <.007 | DDE, water, fltrd, ug/L (34653) <.003 <.003 <.003 |
| OCT 22 DEC 23 FEB 18 MAR 16 APR 14 MAY 13 JUN 09 | nil sulfide water, fltrd, ug/L (62167) <.005 <.013 <.013 <.013 | nil sulfone water, fltrd, ug/L (62168) <.007 <.024 <.024 <.024 <.024 | nil, water, fltrd, ug/L (62166) <.010 <.016 <.016 <.016 E.007 | water, fltrd, ug/L (04095) <.003 <.003 <.003 <.003 <.003 | water, fltrd, ug/L (39341) <.004 <.004 <.004 <.004 <.004 | water fltrd 0.7u GF ug/L (82666) <.035 <.035 <.035 <.035 <.035 | thion, water, fltrd, ug/L (39532) <.027 <.027 <.027 <.027 <.027 | para- thion, water, fltrd 0.7u GF ug/L (82667) <.006 <.015 <.015 <.015 | chlor, water, fltrd, ug/L (39415) E.011 .015 E.013 .025 | buzin, water, fltrd, ug/L (82630) <.006 <.006 <.006 <.006 | nate, water, fltrd 0.7u GF ug/L (82671) <.002 <.003 <.003 <.003 | amide, water, fltrd 0.7u GF ug/L (82684) <.007 <.007 <.007 <.007 | DDE, water, fltrd, ug/L (34653) <.003 <.003 <.003 <.003 <.003 |
| OCT 22 DEC 23 FEB 18 MAR 16 APR 14 MAY 13 JUN 09 JUL 14 | nil sulfide water, fltrd, ug/L (62167) <.005 <.013 <.013 <.013 <.013 | nil sulfone water, fltrd, ug/L (62168) <.007 <.024 <.024 <.024 <.024 <.024 | nil, water, fltrd, ug/L (62166) <.010 <.016 <.016 <.016 E.007 <.016 | water, fltrd, ug/L (04095) <.003 <.003 <.003 <.003 <.003 <.003 | water, fltrd, ug/L (39341) <.004 <.004 <.004 <.004 <.004 <.004 | water fltrd 0.7u GF ug/L (82666) <.035 <.035 <.035 <.035 <.035 <.035 <.035 | thion, water, fltrd, ug/L (39532) <.027 <.027 <.027 <.027 <.027 <.027 | para- thion, water, fltrd 0.7u GF ug/L (82667) <.006 <.015 <.015 <.015 <.015 | chlor, water, fltrd, ug/L (39415) E.011 .015 E.013 .025 .295 | buzin, water, fltrd, ug/L (82630) <.006 <.006 <.006 <.006 <.006 | nate, water, fltrd 0.7u GF ug/L (82671) <.002 <.003 <.003 <.003 <.003 | amide, water, fltrd 0.7u GF ug/L (82684) <.007 <.007 <.007 <.007 <.007 | DDE, water, fltrd, ug/L (34653) <.003 <.003 <.003 <.003 <.003 <.003 |
| OCT 22 DEC 23 FEB 18 MAR 16 APR 14 MAY 13 JUN 09 JUL | nil sulfide water, fltrd, ug/L (62167) <.005 <.013 <.013 <.013 <.013 E.003 | nil sulfone water, fltrd, ug/L (62168) <.007 <.024 <.024 <.024 <.024 <.024 <.024 <.024 | nil, water, fltrd, ug/L (62166) <.010 <.016 <.016 <.016 E.007 <.016 E.008 | water, fltrd, ug/L (04095) <.003 <.003 <.003 <.003 <.003 <.003 <.003 <.003 | water, fltrd, ug/L (39341) <.004 <.004 <.004 <.004 <.004 <.004 <.004 <.004 | water fltrd 0.7u GF ug/L (82666) <.035 <.035 <.035 <.035 <.035 <.035 <.035 | thion, water, fltrd, ug/L (39532) <.027 <.027 <.027 <.027 <.027 <.027 <.027 <.027 | para- thion, water, fltrd 0.7u GF ug/L (82667) <.006 <.015 <.015 <.015 <.015 <.015 <.015 | chlor, water, fltrd, ug/L (39415) E.011 .015 E.013 .025 .295 .041 .123 | buzin, water, fltrd, ug/L (82630) <.006 <.006 <.006 <.006 <.006 | nate, water, fltrd 0.7u GF ug/L (82671) <.002 <.003 <.003 <.003 <.003 | amide, water, fltrd 0.7u GF ug/L (82684) <.007 <.007 <.007 <.007 <.007 | DDE, water, fltrd, ug/L (34653) <.003 <.003 <.003 <.003 <.003 <.003 <.003 |

02089500 NEUSE RIVER AT KINSTON, NC-Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

| Date | Parathion, water, fltrd, ug/L (39542) | Peb- ulate, water, fltrd 0.7u GF ug/L (82669) | Pendimethalin, water, fltrd 0.7u GF ug/L (82683) | Phorate water fltrd 0.7u GF ug/L (82664) | Prometon, water, fltrd, ug/L (04037) | Propyzamide, water, fltrd 0.7u GF ug/L (82676) | Propa- chlor, water, fltrd, ug/L (04024) | Propanil, water, fltrd 0.7u GF ug/L (82679) | Propargite, water, fltrd 0.7u GF ug/L (82685) | Sima- zine, water, fltrd, ug/L (04035) | Tebuthiuron water fltrd 0.7u GF ug/L (82670) | Terbacil, water, fltrd 0.7u GF ug/L (82665) | Terbu- fos, water, fltrd 0.7u GF ug/L (82675) |
|-----------|---|---|--|---|--|---|---|---|--|---|--|--|---|
| OCT | | | | | | | | | | | | | |
| 22 | <.010 | <.004 | <.022 | <.011 | .02 | <.004 | <.010 | <.011 | <.02 | .010 | <.02 | <.034 | <.02 |
| DEC | | | | | | | | | | | | | |
| 23 FEB | <.010 | <.004 | <.022 | <.011 | .01 | <.004 | <.025 | <.011 | <.02 | .129 | <.02 | <.034 | <.02 |
| 18 | <.010 | <.004 | <.022 | <.011 | .01 | <.004 | <.025 | <.011 | <.02 | .246 | <.02 | <.034 | <.02 |
| MAR | <.010 | <.00→ | V.022 | <.011 | .01 | ₹.00+ | V.023 | <.011 | V.02 | .240 | V.02 | ₹.054 | V.02 |
| 16 | <.010 | <.004 | <.022 | <.011 | .01 | <.004 | <.025 | <.011 | <.02 | .138 | <.02 | <.034 | <.02 |
| APR | 010 | 004 | E 01.4 | 011 | 0.1 | 004 | 025 | 011 | 02 | 1.1.1 | E 01 | 024 | 00 |
| 14 MAY | <.010 | <.004 | E.014 | <.011 | .01 | <.004 | <.025 | <.011 | <.02 | .144 | E.01 | <.034 | <.02 |
| 13 | <.010 | <.004 | <.022 | <.011 | .02 | <.004 | <.025 | <.011 | <.02 | .060 | E.01 | <.034 | <.02 |
| JUN | 4.010 | | 11022 | 4011 | .02 | | 4.020 | | 2 | .000 | 2.01 | 1100 1 | 2 |
| 09 | <.010 | <.004 | <.022 | <.011 | .03 | <.004 | <.025 | <.011 | <.02 | .052 | E.01 | <.034 | <.02 |
| JUL | | | | | | | | | | | | | |
| 14 AUG | | | | | | | | | | | | | |
| 18 | <.010 | <.004 | <.022 | <.011 | .03 | <.004 | <.025 | <.011 | <.02 | .026 | <.02 | <.034 | <.02 |
| SEP | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | |

| Date | Thiobencarb water fltrd 0.7u GF ug/L (82681) | Tri- allate, water, fltrd 0.7u GF ug/L (82678) | Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661) | Suspnd. sedi- ment, sieve diametr percent <.063mm (70331) | Suspended sediment concentration mg/L (80154) | Sus- pended sedi- ment dis- charge, tons/d (80155) |
|-----------|---|--|---|--|---|---|
| OCT | | | | | | |
| 22 | <.005 | <.002 | <.009 | 98 | 15 | 59 |
| DEC | 0.1.0 | 000 | 000 | 0.4 | | 251 |
| 23 FEB | <.010 | <.002 | <.009 | 91 | 14 | 254 |
| 18 | <.010 | <.002 | <.009 | 67 | 23 | 355 |
| MAR | 2.010 | 1.002 | 1.007 | 07 | 23 | 333 |
| 16 | <.010 | <.002 | <.009 | 95 | 20 | 105 |
| APR | - 010 | - 000 | . 000 | 02 | (2) | 444 |
| 14 MAY | <.010 | <.002 | <.009 | 82 | 62 | 444 |
| 13 | <.010 | <.002 | <.009 | 93 | 32 | 152 |
| JUN | | | | | | |
| 09 | <.010 | <.002 | <.009 | 80 | 29 | 344 |
| JUL 14 | | | | 95 | 28 | 116 |
| AUG | | | | 93 | 20 | 110 |
| 18 | <.010 | <.002 | <.009 | 92 | 31 | 460 |
| SEP | | | | | | |
| 22 | | | | 99 | 29 | 326 |

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

Medium codes used in this table: 9 -- Surface water

449

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

02089500 NEUSE RIVER AT KINSTON, NC-Continued

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|---|---|---|---|---|--|---|--|--|---|--|--|---|
| | | OCTOBER | | N | OVEMBE | R | D | ECEMBE | R | | JANUARY | |
| 1 2 3 4 5 | 100 101 103 104 | 96 99 100 102 | 98 100 101 103 | 113 99 104 | 99 91 99 | 106 94 102 | 129 130 127 | 124 126 123 | 126 128 125 | 106 105 106 107 110 | 103 103 103 104 105 | 104 104 104 106 107 |
| 6 7 8 9 10 | | | | 109 113 121 122 127 | 103 108 113 117 121 | 106 111 118 119 124 | 125 123 124 | 121 119 120 | 123 121 122 | | | |
| 11 12 13 14 15 | 130 136 141 143 141 | 125 130 135 140 135 | 128 134 138 142 137 | 131 133 129 131 | 127 126 126 127 | 129 130 128 129 | 106 106 105 102 84 | 102 93 98 83 79 | 104 98 102 92 81 | 120 122 139 | 118 119 122 | 119 120 130 |
| 16 17 18 19 20 | 136 133 134 137 139 | 133 130 129 133 135 | 134 131 131 135 137 | 140 140 138 | 137 133 135 | 138 138 137 | 78 81 | 77 78 | 78 79 | 139 133 128 126 126 | 132 127 124 123 124 | 135 129 125 125 125 |
| 21 22 23 24 25 | 135 137 144 142 128 | 129 130 137 123 122 | 131 133 141 131 124 | 135 132 129 116 109 | 127 128 116 105 107 | 131 130 123 109 108 | 82 82 | 81 81 | 81 82 | 127 128 130 128 125 | 124 124 124 122 121 | 125 125 127 124 123 |
| 26 27 28 29 30 31 | 133 147 148 140 114 113 | 128 133 132 109 102 102 | 131 142 143 119 110 109 | 115 119 121 124 127 | 109 114 119 119 122 | 112 116 120 122 125 | | | | 131 130 132 136 135 129 | 123 123 125 132 127 125 | 124 125 130 134 130 126 |
| | | | | | | | | | | | | |
| MONTH | | | | | | | | | | | | |
| MONTH | | FEBRUARY | | | MARCH | | | APRIL | | | MAY | |
| MONTH 1 2 3 4 5 | | | | 108 145 142 113 107 | | 107 125 125 108 106 | 129 129 128 128 132 | | 128 127 126 127 130 | 141 102 | | 137 99 |
| 1 2 3 4 | 137 191 199 181 | FEBRUARY 129 136 178 158 | 131 161 188 171 | 108 145 142 113 | MARCH 105 105 113 106 | 107 125 125 108 | 129 129 128 128 | APRIL 127 124 123 125 | 128 127 126 127 | 141 | MAY 131 | 137 |
| 1 2 3 4 5 6 7 8 9 | 137 191 199 181 158 143 141 135 122 | 129 136 178 158 143 131 131 122 119 | 131 161 188 171 152 136 136 126 121 | 108 145 142 113 107 110 111 115 116 | MARCH 105 105 113 106 105 107 110 111 114 | 107 125 125 108 106 108 110 113 115 | 129 129 128 128 132 132 135 131 128 | APRIL 127 124 123 125 128 129 129 126 116 | 128 127 126 127 130 130 132 129 122 | 141 102 94 86 87 91 | MAY 131 94 86 84 84 86 | 137 99 90 85 85 89 |
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 | 137 191 199 181 158 143 141 135 122 121 119 114 119 | 129 136 178 158 143 131 131 122 119 118 113 111 112 102 | 131 161 188 171 152 136 136 126 121 119 115 112 116 | 108 145 142 113 107 110 111 115 116 118 121 123 124 126 | MARCH 105 105 113 106 105 107 110 111 114 115 117 120 122 122 | 107 125 125 108 106 108 110 113 115 117 120 122 123 124 | 129 129 128 128 132 132 135 131 128 123 127 127 127 | APRIL 127 124 123 125 128 129 129 126 116 118 118 106 110 115 | 128 127 126 127 130 130 132 129 122 120 124 117 119 120 | 141 102 94 86 87 91 100 110 118 121 | MAY 131 94 86 84 84 86 91 100 110 118 121 | 137 -99 90 85 85 85 89 96 105 113 120 124 |
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | 137 191 199 181 158 143 141 135 122 121 119 114 119 112 102 | 129 136 178 158 143 131 131 122 119 118 113 111 112 102 100 97 95 96 | 131 161 188 171 152 136 136 126 121 119 115 112 116 107 101 | 108 145 142 113 107 110 111 115 116 118 121 123 124 126 126 125 127 128 130 | MARCH 105 105 113 106 105 107 110 111 114 115 117 120 122 122 124 120 122 126 122 | 107 125 125 108 106 108 110 113 115 117 120 122 123 124 125 127 126 | 129 129 128 128 132 132 135 131 128 123 127 127 124 125 116 | APRIL 127 124 123 125 128 129 129 126 116 118 118 106 110 115 111 113 106 104 107 | 128 127 126 127 130 130 132 129 122 120 124 117 119 120 113 | 141 102 94 86 87 91 100 110 118 121 126 131 | MAY 131 94 86 84 84 86 91 100 110 118 121 124 136 | 137 -99 90 85 85 89 96 105 113 120 124 128 |
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 | 137 191 199 181 158 143 141 135 122 121 119 114 119 112 102 103 97 98 102 106 110 111 1106 106 | FEBRUARY 129 136 178 158 143 131 131 122 119 118 113 111 112 102 100 97 95 96 100 104 106 104 106 | 131 161 188 171 152 136 136 126 121 119 115 112 116 107 101 99 96 97 98 104 106 108 105 | 108 145 142 113 107 110 111 115 116 118 121 123 124 126 126 125 127 128 130 122 117 115 113 115 | MARCH 105 105 113 106 105 107 110 111 114 115 117 120 122 122 124 120 122 124 120 122 127 121 121 121 121 121 121 121 122 123 124 120 122 124 120 122 126 122 117 | 107 125 125 108 106 108 110 113 115 117 120 122 123 124 125 127 126 119 114 114 111 | 129 129 128 128 132 132 135 131 128 123 127 127 124 125 116 118 113 107 118 118 118 120 122 129 | APRIL 127 124 123 125 128 129 129 126 116 118 118 106 110 115 111 113 106 104 107 114 116 118 119 | 128 127 126 127 130 130 132 129 122 120 124 117 119 120 113 116 108 105 112 116 117 119 121 | 141 102 94 86 87 91 100 110 118 121 126 131 146 144 153 156 160 168 | MAY 131 94 86 84 84 86 91 100 110 118 121 124 136 139 141 151 154 160 | 13799 90 85 85 89 96 105 113 120 124 128 141 142 145 153 156 163 |

02089500 NEUSE RIVER AT KINSTON, NC-Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|-----|------|------|-----|------|------|-----|--------|------|-----|---------|------|
| | | JUNE | | | JULY | | | AUGUST | , | S | EPTEMBI | ER |
| 1 | 141 | 133 | 135 | 103 | 100 | 102 | | | | | | |
| 2 | 152 | 138 | 143 | 103 | 99 | 101 | | | | | | |
| 3 | 164 | 152 | 156 | 112 | 103 | 108 | | | | | | |
| 4 | | | | 115 | 111 | 113 | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | 122 | 113 | 116 | | | | | | | | | |
| 16 | 124 | 121 | 123 | | | | | | | | | |
| 17 | 124 | 114 | 119 | | | | | | | | | |
| 18 | 117 | 100 | 109 | | | | | | | | | |
| 19 | 121 | 104 | 114 | | | | | | | | | |
| 20 | 121 | 114 | 118 | | | | | | | | | |
| 21 | 122 | 116 | 119 | | | | | | | | | |
| 22 | 123 | 120 | 122 | | | | | | | | | |
| 23 | 131 | 109 | 123 | | | | | | | | | |
| 24 | 135 | 111 | 125 | | | | | | | | | |
| 25 | 125 | 86 | 106 | | | | | | | | | |
| 26 | 113 | 93 | 104 | | | | | | | | | |
| 27 | 120 | 112 | 116 | | | | | | | | | |
| 28 | 135 | 113 | 123 | | | | | | | | | |
| 29 | 129 | 95 | 106 | | | | | | | | | |
| 30 | 100 | 95 | 97 | | | | | | | | | |
| 31 | | | | | | | | | | | | |
| MONTH | | | | | | | | | | | | |

02089500 NEUSE RIVER AT KINSTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|---|---|---|---|--|---|---|--|--|--|--|---|--|
| | | OCTOBER | | N | OVEMBE | R | Г | ECEMBE | R | | JANUARY | • |
| 1 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | 5 O | 4 1 | 16 |
| 13 14 | | | | | | | | | | 5.0 5.3 | 4.1 4.5 | 4.6 4.9 |
| 15 | | | | | | | | | | 5.9 | 5.0 | 5.3 |
| 16 | | | | | | | | | | 5.7 | 5.0 | 5.3 |
| 17 | | | | | | | | | | 5.6 | 4.8 | 5.2 |
| 18 19 | | | | | | | | | | 7.0 7.4 | 5.4 6.6 | 6.2 7.1 |
| 20 | | | | | | | | | | 6.6 | 5.8 | 6.2 |
| 21 | | | | | | | | | | 5.8 | 5.1 | 5.4 |
| 22 | | | | | | | | | | 5.6 5.6 | 3.1 4.7 | 5.2 |
| 23 | | | | | | | | | | 5.6 | 4.9 | 5.3 |
| 24 | | | | | | | | | | 5.9 | 4.9 | 5.4 |
| 25 | | | | | | | | | | 5.4 | 3.9 | 4.7 |
| 26 | | | | | | | | | | 3.9 | 3.2 | 3.6 |
| 27 28 | | | | | | | | | | 3.2 3.6 | 3.0 2.7 | 3.1 3.1 |
| 29 | | | | | | | | | | 3.9 | 2.8 | 3.3 |
| 30 | | | | | | | | | | 4.2 | 3.3 | 3.7 |
| 31 | | | | | | | | | | 4.2 | 3.4 | 3.8 |
| MONTH | | | | | | | | | | | | |
| | I | EBRUAR | Y | | MARCH | | | APRIL | | | MAY | |
| 1 | 4.0 | 3.3 | 3.6 | 7.6 | 6.3 | 6.9 | 16.4 | 15.5 | 16.0 | 21.2 | 20.4 | 20.8 |
| 2 | 4.0 | | | | | | 10.4 | | | | | |
| | 4.2 | 3.1 | 3.7 | 9.9 | 7.6 | 8.7 | 15.5 | 14.6 | 15.1 | | | |
| 3 | 5.1 | 4.2 | 4.6 | 11.6 | 9.8 | 8.7 10.6 | 15.5 15.1 | 14.6 13.9 | 15.1 14.6 | | | |
| | 5.1 5.8 | 4.2 4.7 | 4.6 5.3 | 11.6 13.6 | 9.8 11.6 | 8.7 10.6 12.4 | 15.5 15.1 15.8 | 14.6 13.9 14.4 | 15.1 14.6 14.9 | | | |
| 3 4 5 | 5.1 5.8 6.0 | 4.2 4.7 5.3 | 4.6 5.3 5.6 | 11.6 13.6 15.3 | 9.8 11.6 13.6 | 8.7 10.6 12.4 14.4 | 15.5 15.1 15.8 15.3 | 14.6 13.9 14.4 13.9 | 15.1 14.6 14.9 14.6 | 19.1 | 17.8 | 18.5 |
| 3 4 | 5.1 5.8 | 4.2 4.7 | 4.6 5.3 | 11.6 13.6 | 9.8 11.6 | 8.7 10.6 12.4 | 15.5 15.1 15.8 | 14.6 13.9 14.4 | 15.1 14.6 14.9 | | | |
| 3 4 5 6 7 8 | 5.1 5.8 6.0 7.6 8.9 8.7 | 4.2 4.7 5.3 5.7 7.6 8.1 | 4.6 5.3 5.6 6.4 8.4 8.4 | 11.6 13.6 15.3 16.2 16.9 16.6 | 9.8 11.6 13.6 15.3 16.0 15.5 | 8.7 10.6 12.4 14.4 15.8 16.4 16.0 | 15.5 15.1 15.8 15.3 15.2 16.0 16.9 | 14.6 13.9 14.4 13.9 13.6 14.3 15.4 | 15.1 14.6 14.9 14.6 14.4 15.1 16.2 | 19.1 19.7 20.4 21.3 | 17.8 18.3 18.9 19.9 | 18.5 19.0 19.6 20.5 |
| 3 4 5 6 7 8 9 | 5.1 5.8 6.0 7.6 8.9 8.7 8.2 | 4.2 4.7 5.3 5.7 7.6 8.1 7.8 | 4.6 5.3 5.6 6.4 8.4 8.4 8.0 | 11.6 13.6 15.3 16.2 16.9 16.6 15.5 | 9.8 11.6 13.6 15.3 16.0 15.5 14.6 | 8.7 10.6 12.4 14.4 15.8 16.4 16.0 15.0 | 15.5 15.1 15.8 15.3 15.2 16.0 16.9 18.4 | 14.6 13.9 14.4 13.9 13.6 14.3 15.4 16.3 | 15.1 14.6 14.9 14.6 14.4 15.1 16.2 17.3 | 19.1 19.7 20.4 21.3 22.4 | 17.8 18.3 18.9 19.9 20.8 | 18.5 19.0 19.6 20.5 21.5 |
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| 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 | 5.1 5.8 6.0 7.6 8.9 8.7 8.2 8.8 8.9 8.6 8.2 7.8 7.5 7.1 6.7 6.8 7.0 7.7 8.9 9.2 9.3 9.3 9.6 9.2 | 4.2 4.7 5.3 5.7 7.6 8.1 7.8 8.2 8.3 7.6 7.3 7.0 6.3 6.0 5.7 5.8 6.3 7.4 8.1 8.5 9.2 8.8 | 4.6 5.3 5.6 6.4 8.4 8.0 8.5 8.6 8.2 7.7 7.5 7.3 6.7 6.3 6.2 6.4 6.9 8.1 8.6 8.9 9.2 9.2 8.3 | 11.6 13.6 15.3 16.2 16.9 16.6 15.5 14.6 13.4 13.2 12.8 12.9 13.7 13.6 12.6 13.6 13.6 13.6 13.4 13.2 13.4 14.4 | 9.8 11.6 13.6 15.3 16.0 15.5 14.6 13.2 12.4 12.3 12.2 12.0 12.3 12.9 12.5 12.0 12.3 12.5 12.5 12.5 12.5 12.7 13.6 | 8.7 10.6 12.4 14.4 15.8 16.4 16.0 15.0 13.9 13.0 12.8 12.7 12.4 12.6 13.3 13.1 12.4 12.9 13.1 13.4 12.9 12.7 12.7 13.5 | 15.5 15.1 15.8 15.3 15.2 16.0 16.9 18.4 18.2 18.8 18.1 17.8 16.9 16.8 17.4 18.6 19.8 20.7 21.5 22.2 23.0 23.2 22.7 | 14.6 13.9 14.4 13.9 13.6 14.3 15.4 16.3 17.2 17.6 16.8 16.7 15.8 15.6 16.0 17.1 18.3 19.2 20.3 20.8 21.4 22.2 21.9 21.8 | 15.1 14.6 14.9 14.6 14.4 15.1 16.2 17.3 17.7 18.1 17.3 17.4 16.4 16.2 16.7 17.8 19.0 19.9 20.9 21.5 22.1 22.6 22.3 | 19.1 19.7 20.4 21.3 22.4 23.5 24.6 24.8 24.8 25.4 26.1 27.1 27.6 28.1 29.3 29.2 28.6 28.8 | 17.8 18.3 18.9 19.9 20.8 22.1 23.1 23.9 23.6 24.3 25.0 25.3 25.9 26.8 27.3 26.9 26.7 27.5 | 18.5 19.0 19.6 20.5 21.5 22.7 23.8 24.3 24.2 24.4 25.1 26.0 26.4 27.0 27.9 28.2 27.7 27.7 |
| 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 | 5.1 5.8 6.0 7.6 8.9 8.7 8.2 8.8 8.9 8.6 8.2 7.8 7.5 7.1 6.7 6.8 7.0 7.7 8.9 9.2 9.3 9.6 9.2 7.4 6.9 | 4.2 4.7 5.3 5.7 7.6 8.1 7.8 8.2 8.3 7.6 7.3 7.0 6.3 6.0 5.7 5.8 6.3 7.4 8.1 8.5 9.2 8.8 | 4.6 5.3 5.6 6.4 8.4 8.0 8.5 8.6 8.2 7.7 7.5 7.3 6.7 6.3 6.2 6.4 6.9 8.1 8.6 8.9 9.2 9.2 9.2 | 11.6 13.6 15.3 16.2 16.9 16.6 15.5 14.6 13.4 13.2 12.8 12.9 13.7 13.6 12.6 13.6 13.6 13.4 13.2 14.4 15.1 16.1 17.2 | 9.8 11.6 13.6 15.3 16.0 15.5 14.6 13.2 12.4 12.3 12.2 12.0 12.3 12.9 12.5 12.0 12.3 12.5 12.0 12.3 12.5 12.1 12.7 | 8.7 10.6 12.4 14.4 15.8 16.4 16.0 15.0 13.9 13.0 12.8 12.7 12.4 12.6 13.3 13.1 12.4 12.9 13.1 13.4 12.9 12.7 12.7 13.5 | 15.5 15.1 15.8 15.3 15.2 16.0 16.9 18.4 18.2 18.8 18.1 18.0 17.8 16.9 16.8 17.4 18.6 19.8 20.7 21.5 22.2 23.0 23.2 22.7 | 14.6 13.9 14.4 13.9 13.6 14.3 15.4 16.3 17.2 17.6 16.8 16.7 15.8 15.6 16.0 17.1 18.3 19.2 20.3 20.8 21.4 22.2 21.9 21.8 21.5 20.3 | 15.1 14.6 14.9 14.6 14.4 15.1 16.2 17.3 17.7 18.1 17.3 17.3 17.4 16.4 16.2 16.7 17.8 19.0 19.9 20.9 21.5 22.1 22.6 22.3 | 19.1 19.7 20.4 21.3 22.4 23.5 24.6 24.8 24.8 25.4 26.1 27.1 27.6 28.1 29.3 29.2 28.6 28.8 29.5 29.8 | 17.8 18.3 18.9 19.9 20.8 22.1 23.1 23.9 23.8 23.6 24.3 25.0 25.3 25.9 26.8 27.3 26.9 26.7 27.5 27.9 | 18.5 19.0 19.6 20.5 21.5 22.7 23.8 24.3 24.2 24.4 25.1 26.0 26.4 27.0 27.9 28.2 27.7 27.7 28.5 28.8 28.7 |
| 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 | 5.1 5.8 6.0 7.6 8.9 8.7 8.2 8.8 8.9 8.6 8.2 7.8 7.5 7.1 6.7 6.8 7.0 7.7 8.9 9.2 9.3 9.6 9.2 7.4 6.9 7.2 | 4.2 4.7 5.3 5.7 7.6 8.1 7.8 8.2 8.3 7.6 7.3 7.0 6.3 6.0 5.7 5.8 6.3 7.4 8.1 8.5 9.2 8.8 | 4.6 5.3 5.6 6.4 8.4 8.0 8.5 8.6 8.2 7.7 7.5 7.3 6.7 6.3 6.2 6.4 6.9 8.1 8.6 8.9 9.2 9.2 9.2 9.2 8.3 6.4 6.7 | 11.6 13.6 15.3 16.2 16.9 16.6 15.5 14.6 13.4 13.2 12.8 12.9 13.7 13.6 12.6 13.6 13.6 13.4 13.2 14.4 15.1 16.1 17.2 17.1 | 9.8 11.6 13.6 15.3 16.0 15.5 14.6 13.2 12.4 12.3 12.2 12.0 12.3 12.5 12.0 12.3 12.5 12.0 12.3 12.5 12.7 13.6 14.4 16.0 15.7 | 8.7 10.6 12.4 14.4 15.8 16.4 16.0 15.0 13.9 13.0 12.8 12.7 12.4 12.6 13.3 13.1 12.4 12.9 13.1 12.7 12.7 12.7 12.7 12.7 13.5 | 15.5 15.1 15.8 15.3 15.2 16.0 16.9 18.4 18.2 18.8 16.9 16.8 17.8 16.9 16.8 17.4 18.6 19.8 20.7 21.5 22.2 23.0 23.2 22.7 23.3 22.5 21.7 21.5 | 14.6 13.9 14.4 13.9 13.6 14.3 15.4 16.3 17.2 17.6 16.8 16.7 15.8 15.6 16.0 17.1 18.3 19.2 20.3 20.8 21.4 22.2 21.9 21.8 21.5 20.3 19.9 | 15.1 14.6 14.9 14.6 14.4 15.1 16.2 17.3 17.7 18.1 17.3 17.4 16.4 16.2 16.7 17.8 19.0 19.9 20.9 21.5 22.1 22.6 22.3 22.4 22.0 21.0 20.7 | 19.1 19.7 20.4 21.3 22.4 23.5 24.6 24.8 24.8 25.4 26.1 27.1 27.6 28.1 29.3 29.2 28.6 28.8 29.5 29.5 | 17.8 18.3 18.9 19.9 20.8 22.1 23.1 23.9 23.8 23.6 24.3 25.0 25.3 25.9 26.8 27.3 26.9 26.7 27.5 27.9 27.9 | 18.5 19.0 19.6 20.5 21.5 22.7 23.8 24.3 24.2 24.4 25.1 26.0 26.4 27.0 27.9 28.2 27.7 27.7 28.5 28.8 28.7 28.4 |
| 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 | 5.1 5.8 6.0 7.6 8.9 8.7 8.2 8.8 8.9 8.6 8.2 7.8 7.5 7.1 6.7 6.8 7.0 7.7 8.9 9.2 9.3 9.6 9.2 7.4 6.9 | 4.2 4.7 5.3 5.7 7.6 8.1 7.8 8.2 8.3 7.6 7.3 7.0 6.3 6.0 5.7 5.8 6.3 7.4 8.1 8.5 9.2 8.8 | 4.6 5.3 5.6 6.4 8.4 8.0 8.5 8.6 8.2 7.7 7.5 7.3 6.7 6.3 6.2 6.4 6.9 8.1 8.6 8.9 9.2 9.2 9.2 | 11.6 13.6 15.3 16.2 16.9 16.6 15.5 14.6 13.4 13.2 12.8 12.9 13.7 13.6 12.6 13.6 13.6 13.4 13.2 13.4 14.4 15.1 16.1 17.2 17.1 16.7 | 9.8 11.6 13.6 15.3 16.0 15.5 14.6 13.2 12.4 12.3 12.2 12.0 12.3 12.9 12.5 12.0 12.3 12.5 12.0 12.3 12.5 12.1 12.7 13.6 14.4 16.0 15.7 15.7 | 8.7 10.6 12.4 14.4 15.8 16.4 16.0 15.0 13.9 13.0 12.8 12.7 12.4 12.6 13.3 13.1 12.4 12.9 13.1 13.4 12.9 13.5 14.4 15.4 16.3 16.3 16.3 | 15.5 15.1 15.8 15.3 15.2 16.0 16.9 18.4 18.2 18.8 16.9 16.8 17.4 18.6 19.8 20.7 21.5 22.2 23.0 23.2 22.7 23.3 22.5 21.5 21.5 21.5 | 14.6 13.9 14.4 13.9 13.6 14.3 15.4 16.3 17.2 17.6 16.8 16.8 16.7 15.8 15.6 16.0 17.1 18.3 19.2 20.3 20.8 21.4 22.2 21.9 21.8 21.5 20.3 19.9 20.3 | 15.1 14.6 14.9 14.6 14.4 15.1 16.2 17.3 17.7 18.1 17.3 17.4 16.4 16.2 16.7 17.8 19.0 19.9 20.9 21.5 22.1 22.6 22.3 22.4 22.0 21.0 20.7 20.9 | 19.1 19.7 20.4 21.3 22.4 23.5 24.6 24.8 25.4 26.1 27.1 27.6 28.1 29.3 29.2 28.6 28.8 29.5 29.5 29.6 29.5 28.2 | 17.8 18.3 18.9 19.9 20.8 22.1 23.1 23.9 23.8 23.6 24.3 25.0 25.3 25.9 26.8 27.3 26.9 26.7 27.5 27.9 27.5 26.3 | 18.5 19.0 19.6 20.5 21.5 22.7 23.8 24.3 24.2 24.4 25.1 26.0 26.4 27.0 27.9 28.2 27.7 27.7 28.5 28.8 28.7 28.4 27.0 |
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| 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 | 5.1 5.8 6.0 7.6 8.9 8.7 8.2 8.8 8.9 8.6 8.2 7.8 7.5 7.1 6.7 6.8 7.0 7.7 8.9 9.2 9.3 9.3 9.6 9.2 7.4 6.9 6.9 7.2 7.2 | 4.2 4.7 5.3 5.7 7.6 8.1 7.8 8.2 8.3 7.6 7.3 7.3 7.0 6.3 6.0 5.7 5.8 6.3 7.4 8.1 8.5 9.2 8.8 7.4 6.3 5.8 6.1 | 4.6 5.3 5.6 6.4 8.4 8.0 8.5 8.6 8.2 7.7 7.5 7.3 6.7 6.3 6.2 6.4 6.9 8.1 8.6 8.9 9.2 9.2 9.2 9.2 | 11.6 13.6 15.3 16.2 16.9 16.6 15.5 14.6 13.4 13.2 12.8 12.9 13.7 13.6 12.6 13.6 13.6 13.4 13.2 13.4 14.4 15.1 16.1 17.2 17.1 16.7 | 9.8 11.6 13.6 15.3 16.0 15.5 14.6 13.2 12.4 12.3 12.2 12.0 12.3 12.9 12.5 12.0 12.3 12.5 12.0 12.3 12.5 12.1 12.7 13.6 14.4 16.0 15.7 15.7 | 8.7 10.6 12.4 14.4 15.8 16.4 16.0 15.0 13.9 13.0 12.8 12.7 12.4 12.6 13.3 13.1 12.4 12.9 13.1 13.4 12.9 13.5 14.4 15.4 16.3 16.3 16.3 | 15.5 15.1 15.8 15.3 15.2 16.0 16.9 18.4 18.2 18.8 16.9 16.8 17.4 18.6 19.8 20.7 21.5 22.2 23.0 23.2 22.7 23.3 22.5 21.5 21.5 21.5 | 14.6 13.9 14.4 13.9 13.6 14.3 15.4 16.3 17.2 17.6 16.8 16.8 16.7 15.8 15.6 16.0 17.1 18.3 19.2 20.3 20.8 21.4 22.2 21.9 21.8 21.5 20.3 19.9 20.3 | 15.1 14.6 14.9 14.6 14.4 15.1 16.2 17.3 17.7 18.1 17.3 17.4 16.4 16.2 16.7 17.8 19.0 19.9 20.9 21.5 22.1 22.6 22.3 22.4 22.0 21.0 20.7 20.9 | 19.1 19.7 20.4 21.3 22.4 23.5 24.6 24.8 25.4 26.1 27.1 27.6 28.1 29.3 29.2 28.6 28.8 29.5 29.5 29.6 29.5 28.2 | 17.8 18.3 18.9 19.9 20.8 22.1 23.1 23.9 23.8 23.6 24.3 25.0 25.3 25.9 26.8 27.3 26.9 26.7 27.5 27.9 27.5 26.3 | 18.5 19.0 19.6 20.5 21.5 22.7 23.8 24.3 24.2 24.4 25.1 26.0 26.4 27.0 27.9 28.2 27.7 27.7 28.5 28.8 28.7 28.4 27.0 |

02089500 NEUSE RIVER AT KINSTON, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|--|--|--|--|--|--------------|--------------|--------------|
| | | JUNE | | | JULY | | | AUGUST | | S | ЕРТЕМВІ | ER |
| 1 2 3 4 5 | 27.7 28.4 29.2 | 25.3 25.8 26.6 | 26.4 27.0 27.8 | 26.7 26.6 27.0 27.6 28.6 | 25.6 25.9 25.9 26.4 26.6 | 26.1 26.3 26.4 26.9 27.5 | 29.5 28.8 27.8 28.7 29.3 | 28.0 27.8 27.0 27.0 27.9 | 28.8 28.3 27.4 27.8 28.5 | | | |
| 6 7 8 9 10 | | | | 29.8 30.6 30.9 31.1 31.4 | 28.0 28.9 29.2 29.0 29.1 | 28.8 29.6 30.0 30.0 30.2 | 28.5 27.2 26.4 25.8 25.4 | 27.2 25.8 25.2 24.9 24.4 | 27.9 26.4 25.9 25.2 24.9 | | | |
| 11 12 13 14 15 | 27.1 | 25.3 | 26.1 | 30.7 30.7 31.0 30.7 30.9 | 29.4 29.0 29.1 29.2 29.4 | 30.1 29.8 30.0 30.0 30.1 | 26.1 26.3 25.6 24.8 23.2 | 24.8 25.4 24.8 22.5 22.3 | 25.3 25.8 25.2 24.0 22.5 | | | |
| 16 17 18 19 20 | 27.0 26.7 27.8 28.7 28.7 | 26.3 25.7 26.2 26.9 27.8 | 26.6 26.1 26.8 27.7 28.2 | 30.6 29.9 28.7 29.1 29.6 | 28.7 28.4 27.8 27.2 27.3 | 29.6 29.0 28.3 28.1 28.2 | 23.1 23.8 23.9 24.5 25.1 | 22.3 22.7 23.1 23.4 24.2 | 22.6 23.2 23.5 23.9 24.6 | | | |
| 21 22 23 24 25 | 28.8 28.8 29.7 28.0 27.3 | 27.2 27.0 26.9 27.2 26.3 | 27.9 27.8 28.2 27.5 26.8 | 32.0 30.1 29.1 29.4 31.5 | 26.0 27.9 28.2 27.4 27.4 | 28.5 29.0 28.6 28.3 28.7 | 25.5 25.4 25.4 25.4 25.5 | 24.7 25.0 24.7 24.8 24.8 | 25.1 25.1 25.0 25.1 25.2 | | | |
| 26 27 28 29 30 31 | 26.9 27.1 26.4 26.4 26.1 | 26.4 26.1 25.8 25.5 25.7 | 26.7 26.5 26.1 26.0 25.9 | 29.5 30.2 29.7 29.6 29.4 29.7 | 27.6 28.4 28.4 28.1 27.8 27.9 | 28.4 29.2 29.0 28.8 28.6 28.7 | 25.4 25.8 26.2 26.8 26.4 26.3 | 25.0 25.0 25.4 26.1 25.5 25.2 | 25.2 25.4 25.8 26.4 25.8 25.7 | | | |
| MONTH | | | | 32.0 | 25.6 | 28.7 | 29.5 | 22.3 | 25.5 | | | |