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 current year.

WATER TEMPERATURE: October 1949 to September 1950, January 1955 to September 1956, July 1973 to September 1986, March 2002 to current year.

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

REMARKS.--Station operated as part of NAWQA Program from March 1993 to present. 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.

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, ^{o}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	244, October 14	53, August 18
WATER TEMPERATURE, ^{o}C	32.0, July 29	1.4, January 25

02089500 NEUSE RIVER AT KINSTON, NC—Continued

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)	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...	1130	9	1,190	766	5.7	59	7.0	120	17.2	18	21	10.7	11.9
NOV													
07...	1345	9	2,890	764	10.3	100	7.1	139	14.0	21	26	15.6	11.7
DEC													
10...	1100	9	3,880	767	11.5	88	6.8	114	4.7	10	13	13.1	10.1
JAN													
22...	1130	9	1,510	765	12.3	93	7.1	132	3.8	15	18	13.0	12.7
FEB													
12...	1045	9	4,750	761	10.8	86	6.4	92	5.7	12	14	9.28	9.1
MAR													
07...	1145	9	7,920	765	8.2	73	6.6	82	10.6	--	--	--	--
18...	1100	9	6,720	752	7.9	77	6.6	91	13.5	15	19	9.13	9.1
APR													
03...	1045	9	6,430	762	7.0	71	6.5	87	15.4	15	18	7.96	7.3
21...	1230	9	9,620	760	6.7	68	6.5	76	16.3	--	--	--	--
MAY													
05...	1230	9	7,460	763	6.8	73	6.7	78	18.6	18	21	6.44	5.7
28...	1230	9	7,000	758	5.8	65	6.2	75	20.3	--	--	--	--
JUN													
05...	1145	9	7,680	757	6.3	72	6.5	74	21.6	15	18	6.22	5.9
27...	0930	9	3,010	759	5.9	74	6.8	96	26.8	--	--	--	--
JUL													
16...	1200	9	6,310	762	4.7	58	6.4	79	25.8	13	15	7.40	5.8
29...	1215	9	2,230	757	6.0	78	6.4	106	28.3	--	--	--	--
AUG													
05...	0845	9	3,370	759	6.1	76	6.3	83	26.6	--	--	--	--
19...	1115	9	11,500	763	4.9	60	5.8	62	26.0	11	13	5.62	4.2
SEP													
02...	1130	9	1,320	765	5.2	67	6.0	122	28.7	26	32	11.4	8.9
04...	1200	D	1,800	--	--	--	--	--	--	--	--	--	--

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	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)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)
OCT													
22...	0.53	--	<0.04	--	--	0.49	--	E.004	--	0.092	0.03	0.06	0.135
NOV													
07...	0.50	--	<0.04	1.25	0.28	0.30	0.066	0.020	--	--	<0.02	0.12	0.099
DEC													
10...	0.50	--	<0.04	--	--	0.54	--	E.004	--	0.055	0.02	0.15	0.102
JAN													
22...	0.39	--	E.03	--	--	0.69	--	<0.008	--	0.061	0.02	0.06	0.064
FEB													
12...	0.54	--	--	--	--	--	--	--	--	--	--	0.12	0.091
MAR													
07...	0.50	--	E.02	--	--	0.37	--	<0.008	--	--	E.01	--	0.069
18...	0.47	--	E.02	--	--	0.32	--	E.004	--	--	E.01	0.04	0.056
APR													
03...	0.48	--	E.03	1.48	0.33	0.35	0.036	0.011	--	--	E.02	0.05	0.115
21...	0.54	--	E.04	--	--	0.33	--	E.006	--	0.058	0.02	--	0.073
MAY													
05...	0.60	--	E.02	--	--	0.21	--	E.004	--	0.080	0.03	0.07	0.087
28...	0.77	0.07	0.06	2.89	0.65	0.66	0.026	0.008	0.71	0.150	0.05	--	0.141
JUN													
05...	0.55	0.05	0.04	--	--	0.34	--	E.004	0.51	0.086	0.03	0.07	0.094
27...	0.60	--	E.04	1.46	0.33	0.34	0.030	0.009	--	0.104	0.03	--	0.117
JUL													
16...	0.67	--	E.04	--	--	0.46	--	<0.008	--	0.101	0.03	0.07	0.107
29...	0.67	--	<0.04	2.31	0.52	0.54	0.046	0.014	--	0.095	0.03	--	0.131
AUG													
05...	0.68	--	<0.04	0.921	0.21	0.22	0.043	0.013	--	--	<0.09	--	0.196
19...	0.65	--	<0.04	0.602	0.14	0.15	0.039	0.012	--	0.086	0.03	0.07	0.106
SEP													
02...	0.61	0.07	0.06	2.88	0.65	0.66	0.033	0.010	0.56	0.153	0.05	0.07	0.141
04...	--	--	--	--	--	--	--	--	--	--	--	--	--

02089500 NEUSE RIVER AT KINSTON, NC—Continued

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

Date	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)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)
OCT													
22...	1.0	0.6	<0.1	0.6	8.8	--	--	--	--	--	--	<0.006	<0.006
NOV													
07...	0.80	1.0	<0.1	1.0	6.8	--	--	--	--	--	--	<0.006	E.004
DEC													
10...	1.0	0.9	<0.1	0.9	6.8	--	--	--	--	--	--	<0.006	<0.006
JAN													
22...	1.1	0.4	<0.1	0.4	5.0	--	--	--	--	--	--	<0.006	<0.006
FEB													
12...	--	0.8	<0.1	0.8	7.3	--	--	--	--	--	--	<0.006	<0.006
MAR													
07...	0.86	--	--	--	--	--	--	--	--	--	--	<0.006	<0.006
18...	0.79	0.2	<0.1	E.2	7.5	--	--	--	--	--	--	<0.006	<0.006
APR													
03...	0.83	0.3	<0.1	0.3	9.0	--	--	--	--	--	--	<0.006	<0.006
21...	0.87	--	--	--	--	--	--	--	--	--	--	<0.006	E.003
MAY													
05...	0.81	0.8	<0.1	0.8	8.9	--	--	--	--	--	--	<0.006	E.004
28...	1.4	--	--	--	--	--	--	--	--	--	--	<0.006	E.038
JUN													
05...	0.90	0.5	<0.1	0.5	8.9	--	--	--	--	--	--	<0.006	E.015
27...	0.94	--	--	--	--	--	--	--	--	--	--	<0.006	E.006
JUL													
16...	1.1	0.5	<0.1	0.5	11.2	--	--	--	--	--	--	<0.006	E.005
29...	1.2	--	--	--	--	--	--	--	--	--	--	<0.006	E.004
AUG													
05...	0.90	--	--	--	--	--	--	--	--	--	--	<0.006	E.005
19...	0.80	0.8	<0.1	0.8	14.7	--	--	--	--	--	--	<0.006	E.002
SEP													
02...	1.3	0.8	<0.1	0.8	8.7	--	--	--	--	--	--	<0.006	E.005
04...	--	--	--	--	--	3.100	67	70.10	735	0.7	4.2	--	--

Date	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)
OCT													
22...	<0.006	<0.004	<0.005	0.007	<0.050	<0.010	<0.002	E.017	<0.020	<0.005	<0.006	<0.018	<0.003
NOV													
07...	<0.006	<0.004	<0.005	E.006	E.038	<0.010	<0.002	E.007	<0.020	<0.005	<0.006	<0.018	<0.003
DEC													
10...	<0.006	<0.004	<0.005	0.007	<0.050	<0.010	<0.002	E.007	<0.020	<0.005	<0.006	<0.018	<0.003
JAN													
22...	<0.006	<0.004	<0.005	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
FEB													
12...	<0.006	<0.004	<0.005	0.012	<0.050	<0.010	<0.002	E.010	<0.020	<0.005	<0.006	<0.018	<0.003
MAR													
07...	<0.006	<0.004	<0.005	0.014	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
18...	<0.006	<0.004	<0.005	E.005	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
APR													
03...	<0.006	<0.004	<0.005	0.012	<0.050	<0.010	<0.002	E.004	<0.020	<0.005	<0.006	<0.018	<0.003
21...	<0.006	0.016	<0.005	0.040	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
MAY													
05...	<0.006	E.004	<0.005	0.029	<0.050	<0.010	<0.002	<0.041	E.015	<0.005	<0.006	<0.018	<0.003
28...	<0.006	0.070	<0.005	0.270	<0.050	<0.010	<0.002	E.013	<0.020	E.004	<0.006	<0.018	<0.003
JUN													
05...	<0.006	0.010	<0.005	0.097	<0.050	<0.010	<0.002	E.004	E.008	<0.005	<0.006	<0.018	<0.003
27...	<0.006	<0.004	<0.005	0.057	<0.050	<0.010	<0.002	E.003	<0.020	<0.005	<0.006	<0.018	<0.003
JUL													
16...	<0.006	<0.010	<0.005	0.031	<0.050	<0.010	<0.002	E.004	<0.020	<0.005	<0.006	<0.018	<0.003
29...	<0.006	<0.004	<0.005	0.028	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
AUG													
05...	<0.006	<0.004	<0.005	0.032	<0.050	<0.010	<0.002	E.010	<0.020	<0.005	<0.006	<0.018	<0.003
19...	<0.006	<0.004	<0.005	0.021	<0.050	<0.010	<0.002	E.020	<0.020	<0.005	<0.006	<0.018	<0.003
SEP													
02...	<0.006	<0.004	<0.005	0.028	<0.050	<0.010	<0.002	E.008	<0.020	<0.005	<0.006	<0.018	<0.003
04...	--	--	--	--	--	--	--	--	--	--	--	--	--

02089500 NEUSE RIVER AT KINSTON, NC—Continued

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

Date	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, 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)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)
OCT													
22...	<0.004	0.015	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	E.009	<0.003	<0.004
NOV													
07...	<0.004	0.008	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	E.005	<0.003	<0.004
DEC													
10...	<0.004	0.011	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	E.004	<0.005	E.009	<0.003	<0.004
JAN													
22...	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	E.007	<0.003	<0.004
FEB													
12...	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
MAR													
07...	<0.004	E.003	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
18...	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
APR													
03...	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	E.005	<0.003	<0.004
21...	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
MAY													
05...	<0.004	E.004	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
28...	<0.004	0.007	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
JUN													
05...	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
27...	E.002	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	E.002	<0.005	E.005	<0.003	<0.004
JUL													
16...	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
29...	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
AUG													
05...	<0.004	0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
19...	<0.004	<0.005	<0.005	<0.02	<0.004	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003	<0.004
SEP													
02...	<0.004	E.004	<0.005	<0.02	<0.040	<0.009	<0.005	<0.009	<0.005	<0.005	<0.010	<0.003	<0.004
04...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, 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)	Parathion, water, fltrd, ug/L (39542)	Pebulate, 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)
OCT													
22...	<0.035	<0.027	<0.006	0.014	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02
NOV													
07...	<0.035	<0.027	<0.006	E.007	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02
DEC													
10...	<0.035	<0.027	<0.006	0.017	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01
JAN													
22...	<0.035	<0.027	<0.006	E.007	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01
FEB													
12...	<0.035	<0.027	<0.006	E.011	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01
MAR													
07...	<0.035	<0.027	<0.006	E.012	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01
18...	<0.035	<0.027	<0.006	E.007	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01
APR													
03...	<0.035	<0.027	<0.006	E.012	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01
21...	<0.035	<0.027	<0.006	E.011	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01
MAY													
05...	<0.035	<0.027	<0.006	0.016	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02
28...	<0.035	<0.027	<0.006	0.191	0.008	<0.002	0.008	<0.003	<0.010	<0.004	<0.022	<0.011	0.03
JUN													
05...	<0.035	<0.027	<0.006	0.049	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	E.01
27...	<0.035	<0.027	<0.006	0.023	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02
JUL													
16...	<0.035	<0.027	<0.006	0.036	<0.006	<0.002	0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02
29...	<0.035	<0.027	<0.006	0.019	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02
AUG													
05...	<0.035	<0.027	<0.006	0.020	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02
19...	<0.035	<0.027	<0.006	0.020	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02
SEP													
02...	<0.035	<0.027	<0.006	E.011	<0.006	0.004	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02
04...	--	--	--	--	--	--	--	--	--	--	--	--	--

02089500 NEUSE RIVER AT KINSTON, NC—Continued

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

Date	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb 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)	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT													
22...	<0.004	<0.010	<0.011	<0.02	0.027	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	95	27
NOV													
07...	<0.004	<0.010	<0.011	<0.02	0.049	E.01	<0.034	<0.02	<0.005	<0.002	<0.009	97	32
DEC													
10...	<0.004	<0.010	<0.011	<0.02	0.179	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	81	34
JAN													
22...	<0.004	<0.010	<0.011	<0.02	0.045	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	95	13
FEB													
12...	<0.004	<0.010	<0.011	<0.02	0.143	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	82	28
MAR													
07...	<0.004	<0.010	<0.011	<0.02	0.215	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	88	14
18...	<0.004	<0.010	<0.011	<0.02	0.135	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	94	6
APR													
03...	<0.004	<0.010	<0.011	<0.02	0.103	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	--
21...	<0.004	<0.010	<0.011	<0.02	0.080	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	83	12
MAY													
05...	<0.004	<0.010	<0.011	<0.02	0.043	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	--
28...	<0.004	<0.010	<0.011	<0.02	0.051	<0.02	<0.034	<0.02	<0.005	<0.002	E.001	81	22
JUN													
05...	<0.004	<0.010	<0.011	<0.02	0.038	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	64	15
27...	<0.004	<0.010	<0.011	<0.02	0.033	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	95	27
JUL													
16...	<0.004	<0.010	<0.011	<0.02	0.021	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	74	11
29...	<0.004	<0.010	<0.011	<0.02	0.017	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	82	29
AUG													
05...	<0.004	<0.010	<0.011	<0.02	0.016	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	99	80
19...	E.002	<0.010	<0.011	<0.02	0.026	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009	--	--
SEP													
02...	<0.004	<0.010	<0.011	<0.02	0.012	E.01	<0.040	<0.02	<0.005	<0.002	<0.009	97	21
04...	--	--	--	--	--	--	--	--	--	--	--	--	--

02089500 NEUSE RIVER AT KINSTON, NC—Continued

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

Date	Suspended sediment load, tons/d (80155)
OCT	
22...	87
NOV	
07...	250
DEC	
10...	356
JAN	
22...	53
FEB	
12...	359
MAR	
07...	299
18...	109
APR	
03...	--
21...	312
MAY	
05...	--
28...	416
JUN	
05...	311
27...	219
JUL	
16...	187
29...	175
AUG	
05...	728
19...	--
SEP	
02...	75
04...	--

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

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

02089500 NEUSE RIVER AT KINSTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 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	199	192	195	167	144	155	126	120	124	93	92	93
2	207	199	203	166	123	140	128	125	126	94	93	93
3	211	207	209	123	111	114	130	128	129	94	93	93
4	212	211	211	125	112	120	138	130	135	94	93	94
5	213	210	211	136	125	131	138	127	134	93	90	92
6	215	213	215	140	133	138	136	133	135	91	91	91
7	221	215	219	143	139	141	134	131	133	92	91	92
8	226	219	222	142	139	141	165	131	139	93	92	93
9	229	224	226	140	125	136	165	116	136	97	93	95
10	229	226	228	125	118	120	116	110	112	100	97	98
11	230	156	214	122	118	120	110	108	109	102	100	101
12	236	227	233	124	113	121	111	110	110	108	102	105
13	237	223	232	124	121	122	116	111	113	116	108	112
14	244	181	216	121	117	119	118	107	114	118	114	116
15	181	79	102	120	114	118	107	104	105	119	115	117
16	86	79	82	114	104	108	105	101	103	119	117	118
17	91	86	89	104	103	103	101	95	97	121	119	120
18	99	91	95	106	103	105	95	93	94	123	120	122
19	111	99	104	107	106	107	93	92	92	124	121	123
20	118	111	116	108	107	108	92	92	92	126	124	125
21	120	116	118	108	105	107	94	92	93	128	125	126
22	128	120	123	106	105	105	94	93	94	127	124	126
23	132	128	131	105	104	105	95	94	95	133	125	130
24	150	131	140	105	105	105	95	93	95	136	130	134
25	157	122	141	106	105	105	94	93	94	134	130	132
26	123	122	122	107	105	106	94	93	94	135	130	133
27	134	122	128	112	107	110	93	93	93	135	131	133
28	135	132	134	114	111	112	93	92	93	136	131	134
29	138	134	137	115	113	113	92	91	91	138	131	134
30	139	137	138	120	115	118	92	91	91	154	138	148
31	145	139	144	---	---	---	93	92	92	153	144	149
MONTH	244	79	164	167	103	118	165	91	108	154	90	115
	FEBRUARY			MARCH			APRIL			MAY		
1	147	140	143	93	91	92	91	90	90	---	---	---
2	141	135	138	91	91	91	90	88	90	---	---	---
3	145	133	137	91	89	90	89	87	88	---	---	---
4	144	117	125	89	86	87	87	87	87	---	---	---
5	117	110	113	86	84	85	88	87	87	---	---	---
6	111	107	109	84	81	83	88	87	88	---	---	---
7	111	108	110	82	81	81	89	88	88	---	---	---
8	111	106	108	81	80	81	89	88	88	---	---	---
9	106	100	104	81	79	80	89	86	87	---	---	---
10	100	94	97	79	75	77	87	84	85	---	---	---
11	94	90	92	76	72	74	84	79	82	---	---	---
12	91	90	90	72	71	72	79	76	77	---	---	---
13	90	89	90	74	72	73	76	73	74	---	---	---
14	89	88	89	79	74	77	73	69	71	---	---	---
15	89	88	89	85	79	82	69	66	67	---	---	---
16	89	86	88	88	85	86	66	64	65	---	---	---
17	89	86	88	90	88	89	65	64	64	---	---	---
18	92	89	90	90	89	90	67	64	66	---	---	---
19	99	92	96	90	89	90	71	67	69	---	---	---
20	99	97	98	90	86	89	75	71	73	---	---	---
21	127	97	103	88	86	87	78	75	77	---	---	---
22	184	127	164	88	87	87	80	78	79	---	---	---
23	145	112	123	87	84	86	80	79	80	---	---	---
24	112	104	107	84	78	81	80	79	79	---	---	---
25	104	101	102	78	74	76	79	78	79	---	---	---
26	103	100	102	74	71	72	78	76	78	---	---	---
27	100	94	97	72	71	71	78	76	77	---	---	---
28	95	93	94	74	71	72	78	77	77	---	---	---
29	---	---	---	81	74	78	---	---	---	---	---	---
30	---	---	---	86	81	84	---	---	---	---	---	---
31	---	---	---	90	86	88	---	---	---	---	---	---
MONTH	184	86	107	93	71	82	---	---	---	---	---	---

02089500 NEUSE RIVER AT KINSTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 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	---	---	---	118	110	115	101	99	100	122	117	119
2	---	---	---	118	102	113	---	---	---	125	121	123
3	---	---	---	109	75	97	---	---	---	131	124	127
4	---	---	---	90	70	76	---	---	---	137	130	133
5	---	---	---	93	80	89	---	---	---	139	105	125
6	---	---	---	80	68	72	74	72	74	105	100	102
7	---	---	---	69	66	68	77	74	75	109	102	106
8	---	---	---	69	66	68	83	77	79	118	109	114
9	---	---	---	73	69	71	---	---	---	---	---	---
10	---	---	---	79	73	75	---	---	---	---	---	---
11	---	---	---	82	78	80	---	---	---	119	117	118
12	---	---	---	83	81	82	---	---	---	125	118	122
13	---	---	---	83	79	81	---	---	---	132	124	128
14	---	---	---	79	74	76	64	60	61	---	---	---
15	---	---	---	75	73	74	60	57	58	---	---	---
16	---	---	---	79	75	77	57	55	56	---	---	---
17	---	---	---	82	78	80	56	55	55	128	126	127
18	---	---	---	85	82	84	58	53	55	131	115	125
19	103	99	101	83	77	79	65	58	61	127	119	124
20	100	94	97	83	77	81	71	65	68	---	---	---
21	96	94	95	81	74	76	74	71	73	---	---	---
22	95	91	93	---	---	---	76	74	75	---	---	---
23	91	85	89	---	---	---	78	76	77	114	96	100
24	87	85	86	---	---	---	81	78	79	101	98	101
25	90	86	88	---	---	---	84	81	82	107	101	104
26	94	90	92	---	---	---	88	84	86	115	106	109
27	98	94	97	---	---	---	92	87	89	117	93	110
28	103	97	101	---	---	---	99	92	96	99	95	97
29	107	102	104	---	---	---	107	99	103	98	93	94
30	111	107	109	106	102	105	111	107	108	97	93	94
31	---	---	---	104	99	101	117	110	114	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02089500 NEUSE RIVER AT KINSTON, 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	26.7	24.1	25.3	15.3	14.5	14.9	8.9	8.1	8.6	8.2	6.8	7.6
2	26.6	24.2	25.5	14.5	13.5	14.0	8.1	7.5	7.8	8.6	8.0	8.3
3	27.4	24.7	26.0	13.5	12.9	13.1	8.3	7.3	7.8	9.3	8.6	8.9
4	27.5	25.3	26.4	13.4	12.9	13.1	7.3	6.4	6.9	9.2	8.7	8.9
5	28.2	25.6	26.8	13.4	13.0	13.2	6.4	5.8	6.1	8.8	8.2	8.5
6	27.6	25.4	26.6	14.3	13.4	14.0	6.1	5.4	5.8	8.4	7.9	8.1
7	26.9	25.0	25.9	14.1	13.5	13.8	5.6	5.0	5.3	8.0	6.5	7.0
8	25.9	23.0	24.3	13.8	13.2	13.5	5.1	4.5	4.8	6.6	6.0	6.3
9	23.0	22.0	22.6	13.9	13.2	13.6	4.8	4.5	4.7	7.2	6.3	6.7
10	22.6	21.5	22.1	14.3	13.7	14.0	4.8	4.6	4.7	7.7	7.2	7.4
11	23.6	21.8	22.5	15.1	14.3	14.7	5.2	4.8	5.0	7.5	7.0	7.2
12	23.4	22.2	22.7	15.9	15.1	15.5	6.1	5.2	5.6	7.0	6.3	6.6
13	23.8	21.8	22.8	15.6	15.0	15.4	6.6	6.1	6.3	6.3	6.0	6.2
14	22.9	21.3	22.2	15.0	14.5	14.8	7.5	6.6	7.1	6.3	5.7	6.0
15	21.3	20.2	20.7	14.5	14.0	14.2	7.6	7.2	7.4	6.2	5.5	5.9
16	20.2	19.7	20.0	14.1	13.8	13.9	7.7	7.1	7.4	5.5	4.8	5.1
17	19.7	19.0	19.3	13.8	13.2	13.6	7.5	7.0	7.2	5.0	4.5	4.8
18	19.0	18.0	18.4	13.2	12.5	12.7	7.0	6.5	6.8	4.5	3.8	4.2
19	18.0	17.3	17.6	12.5	11.9	12.2	7.8	6.8	7.1	4.0	3.3	3.6
20	18.1	17.2	17.6	12.2	11.7	12.0	9.2	7.8	8.7	4.2	3.0	3.6
21	18.0	17.5	17.8	12.1	11.8	11.9	8.9	8.2	8.5	4.1	3.8	3.9
22	17.5	17.2	17.4	12.1	11.6	11.9	8.8	8.0	8.4	4.2	3.4	3.8
23	18.0	16.5	17.2	11.6	10.7	11.0	8.8	8.3	8.6	3.7	2.3	3.2
24	17.2	16.7	16.9	11.1	10.4	10.8	8.6	8.0	8.2	2.5	1.6	2.0
25	16.8	16.6	16.7	11.1	10.5	10.8	8.0	7.4	7.9	2.5	1.4	1.9
26	17.5	16.7	17.0	11.0	10.5	10.8	7.4	6.6	6.9	2.6	2.0	2.2
27	18.0	17.3	17.6	10.7	10.3	10.5	6.8	6.2	6.4	3.1	2.1	2.5
28	18.5	18.0	18.2	10.3	9.5	9.9	6.3	5.7	6.0	3.0	1.8	2.3
29	18.4	17.5	18.0	9.5	8.8	9.1	6.1	5.4	5.8	3.8	2.4	3.1
30	17.5	16.2	16.9	9.2	8.6	8.9	6.3	5.5	5.9	4.6	3.8	4.3
31	16.2	15.3	15.8	---	---	---	6.8	6.0	6.4	4.8	4.4	4.6
MONTH	28.2	15.3	20.8	15.9	8.6	12.7	9.2	4.5	6.8	9.3	1.4	5.3
	FEBRUARY			MARCH			APRIL			MAY		
1	5.4	4.7	5.0	8.5	7.8	8.2	14.9	13.7	14.3	20.6	19.9	20.3
2	5.8	4.9	5.3	9.1	8.3	8.6	15.6	13.9	14.7	21.2	20.2	20.6
3	6.3	5.3	5.8	9.4	8.3	8.9	16.4	14.6	15.5	21.2	20.6	20.9
4	7.5	6.3	6.9	9.8	8.4	9.1	17.2	15.6	16.4	20.6	19.3	19.8
5	7.8	7.1	7.4	11.1	9.8	10.4	18.0	16.8	17.4	19.3	18.6	18.8
6	7.5	7.2	7.3	11.5	11.0	11.2	18.2	17.4	17.8	---	---	---
7	7.2	7.0	7.1	11.5	10.1	10.7	17.7	15.9	16.7	---	---	---
8	7.2	6.6	6.9	11.0	9.6	10.3	15.9	14.5	15.1	---	---	---
9	6.8	6.2	6.5	11.9	10.7	11.2	14.5	12.9	13.6	---	---	---
10	6.2	5.7	5.9	12.1	11.2	11.6	12.9	12.1	12.3	---	---	---
11	6.2	5.3	5.7	11.7	10.9	11.1	12.1	11.2	11.6	---	---	---
12	6.6	5.6	6.1	12.0	10.6	11.2	12.3	10.9	11.5	---	---	---
13	6.6	5.6	6.1	13.0	12.0	12.4	13.4	12.1	12.7	---	---	---
14	6.4	5.9	6.2	13.0	12.4	12.8	14.2	13.1	13.6	---	---	---
15	7.1	6.4	6.7	12.4	11.7	11.9	15.2	13.9	14.5	---	---	---
16	7.0	6.3	6.6	13.7	11.8	12.7	16.4	15.1	15.7	---	---	---
17	6.3	5.5	5.9	14.0	13.4	13.7	17.4	16.4	16.8	---	---	---
18	6.0	5.2	5.6	14.3	13.6	13.9	17.4	17.1	17.2	---	---	---
19	6.3	5.2	5.8	14.1	13.6	13.8	17.2	16.9	17.1	---	---	---
20	6.7	5.9	6.3	14.7	13.7	14.1	16.9	16.4	16.7	---	---	---
21	7.3	6.3	6.7	15.3	14.6	15.0	16.7	16.2	16.5	---	---	---
22	9.6	7.3	8.2	16.1	14.7	15.4	17.2	16.4	16.7	---	---	---
23	10.2	9.5	9.9	15.9	15.4	15.7	17.3	16.3	16.9	---	---	---
24	10.3	9.1	9.7	16.4	15.2	15.8	17.6	16.5	17.1	---	---	---
25	10.8	9.9	10.4	16.9	15.7	16.3	17.5	17.1	17.3	---	---	---
26	10.5	9.4	9.9	17.2	16.2	16.7	17.8	17.0	17.4	---	---	---
27	9.4	8.8	9.1	17.3	16.7	17.0	17.9	17.3	17.6	---	---	---
28	8.8	8.2	8.4	17.6	16.6	17.1	18.6	17.3	17.9	---	---	---
29	---	---	---	18.2	17.4	17.8	19.3	18.0	18.6	---	---	---
30	---	---	---	18.1	15.8	17.3	20.3	19.0	19.5	---	---	---
31	---	---	---	15.8	14.5	14.9	---	---	---	---	---	---
MONTH	10.8	4.7	7.0	18.2	7.8	13.1	20.3	10.9	15.9	---	---	---

02089500 NEUSE RIVER AT KINSTON, 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	---	---	---	26.7	23.7	25.2	28.6	24.4	26.4	29.8	24.9	27.3
2	---	---	---	24.8	21.5	23.1	---	---	---	29.7	24.6	27.0
3	---	---	---	26.5	22.6	24.1	---	---	---	29.4	24.1	26.7
4	---	---	---	27.7	22.4	24.9	---	---	---	29.1	24.5	26.6
5	---	---	---	28.3	24.8	26.3	---	---	---	26.0	22.6	24.1
6	---	---	---	28.0	25.6	26.6	28.1	25.4	26.8	23.2	19.8	21.6
7	---	---	---	29.1	25.8	26.9	27.8	26.2	27.0	24.8	20.5	22.3
8	---	---	---	29.5	26.1	27.4	27.9	26.1	26.7	24.1	20.8	22.4
9	---	---	---	30.2	26.9	28.2	---	---	---	---	---	---
10	---	---	---	29.5	26.1	27.5	---	---	---	---	---	---
11	---	---	---	29.8	25.9	27.4	---	---	---	23.8	19.3	21.7
12	---	---	---	28.7	25.6	26.9	---	---	---	23.3	21.1	21.9
13	---	---	---	27.3	24.1	25.8	---	---	---	23.0	20.4	21.5
14	---	---	---	26.1	23.8	24.9	27.2	25.5	26.3	---	---	---
15	---	---	---	27.1	23.9	25.4	27.6	25.8	26.6	---	---	---
16	---	---	---	27.6	25.0	26.2	27.0	26.1	26.5	---	---	---
17	---	---	---	27.6	25.4	26.3	27.0	25.7	26.2	25.1	20.4	22.7
18	---	---	---	28.2	25.7	26.7	26.4	25.1	25.7	22.6	20.1	21.1
19	28.4	24.2	25.5	27.1	25.1	26.2	26.7	25.6	26.1	24.2	20.0	21.9
20	26.7	23.7	25.0	28.1	24.2	25.9	27.0	25.8	26.3	---	---	---
21	25.3	22.2	23.5	28.2	25.4	26.7	27.6	26.0	26.7	---	---	---
22	25.6	20.6	23.0	---	---	---	27.8	26.4	26.9	---	---	---
23	26.6	21.5	23.8	---	---	---	28.0	26.3	27.0	23.9	21.6	23.1
24	27.1	22.0	24.4	---	---	---	27.4	26.2	26.7	23.9	20.3	22.0
25	27.9	23.2	25.4	---	---	---	27.4	25.3	26.4	24.1	19.9	22.0
26	29.1	23.8	26.3	---	---	---	28.1	26.2	27.0	24.2	20.1	22.3
27	30.2	24.4	27.0	---	---	---	28.8	26.7	27.7	24.6	21.7	22.8
28	30.6	24.7	26.9	---	---	---	29.7	26.8	28.1	24.0	21.3	22.7
29	30.4	24.0	26.7	---	---	---	29.8	26.5	28.1	21.3	18.7	20.0
30	30.6	24.3	26.9	30.6	25.1	27.0	30.0	26.1	28.0	20.4	17.2	18.8
31	---	---	---	28.5	24.8	26.1	30.6	26.1	28.0	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---