

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 USGS Water Science Center, 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, °C	36.0, July 13, 14, 19, 20, 1986	0.0, February 7, 1978, January 13, 1981 (daily)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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)	Specific conductance, wat unfltrd 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													
26...	1330	9	958	766	8.9	91	7.2	143	16.6	27	33	16.2	10.5
27...	1300	D	928	--	8.7	--	7.1	145	15.9	--	--	--	--
DEC													
14...	1200	9	2,460	767	9.8	88	7.0	130	11.0	40	49	14.6	9.2
FEB													
15...	1100	9	1,700	765	10.8	95	6.8	120	10.0	23	28	13.7	9.1
APR													
28...	1200	9	1,450	763	9.1	96	7.1	126	18.0	21	25	14.4	10.2
JUN													
09...	1315	9	1,080	761	6.8	86	7.0	123	27.5	22	26	12.2	9.3
20...	1300	D	654	--	7.2	--	7.0	152	25.7	--	--	--	--
AUG													
09...	1200	9	939	761	6.8	87	6.9	130	28.2	27	33	13.5	10.2

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Total nitrogen, wat unfltrd by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	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)
OCT													
26...	E.03	--	.71	E.004	.07	.90	.029	.078	.7	<.1	.7	5.4	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	<3.6
DEC													
14...	<.04	--	.66	E.004	--	1.16	.043	.121	--	--	--	--	--
FEB													
15...	<.04	--	.62	E.006	--	1.05	.009	.075	--	--	--	--	--
APR													
28...	.05	--	.76	E.004	--	1.18	.017	.110	--	--	--	--	--
JUN													
09...	.05	.74	.75	.010	--	1.22	.046	.132	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	16.9
AUG													
09...	E.03	--	.55	E.004	--	1.12	.056	.145	--	--	--	--	--

## 02089500 NEUSE RIVER AT KINSTON, NC—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Peri- phyton biomass ash weight, g/m2 (00572)	Peri- phyton biomass dry weight, g/m2 (00573)	Biomass chloro- phyll ratio, peri- phyton, number (70950)	Pheo- phytin a, peri- phyton, mg/m2 (62359)	Chloro- phyll a peri- phyton, chromo- fluoro, mg/m2 (70957)	1-Naph- thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	2Chloro -2',6'- diethyl acet- anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl -6- methyl- aniline water, fltrd, ug/L (61620)	3,4-Di- chloro- aniline water fltrd, ug/L (61625)	3,5-Di- chloro- aniline water, fltrd, ug/L (61627)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)
OCT 26...	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004	.010	--	<.006
OCT 27...	150	155.8	36.3	27	69.0	--	--	--	--	--	--	--	--
DEC 14...	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004	.009	--	<.006
FEB 15...	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004	.006	--	<.006
APR 28...	--	--	--	--	--	<.09	<.006	<.005	E.006	<.004	E.010	--	<.006
JUN 09...	--	--	--	--	--	<.09	<.006	.043	<.006	<.004	<.004	<.004	<.006
JUN 20...	71	88.00	243	23	69.1	--	--	--	--	--	--	--	--
AUG 09...	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004	<.004	<.004	<.006

  

Date	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- Endo- sulfan, water, fltrd, ug/L (34362)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl oxon, water, fltrd, ug/L (61635)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos oxon, water, fltrd, ug/L (61636)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	cis- Propi- cona- zole, water, fltrd, ug/L (79846)
OCT 26...	<.006	.005	--	.007	<.07	<.050	<.010	E.005	--	<.06	<.005	<.006	--
OCT 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 14...	<.006	<.005	--	<.009	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--
FEB 15...	<.006	<.005	--	E.007	<.07	<.050	<.010	E.005	--	<.06	<.005	<.006	--
APR 28...	<.006	.013	--	.048	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--
JUN 09...	<.006	.023	<.005	.075	<.07	<.050	<.010	<.041	<.020	<.06	<.064	<.006	<.008
JUN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<.006	<.005	<.005	.009	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006	<.008

  

Date	Cyana- zine, water, fltrd, ug/L (04041)	Cyflu- thrin, water, fltrd, ug/L (61585)	lambda- Cyhalo- thrin, water, fltrd, ug/L (61595)	Cyper- methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipron- il, water, fltrd, ug/L (62170)	Diaz- inon oxon, water, fltrd, ug/L (61638)	Diazi- non, water, fltrd, ug/L (39572)	Dicro- tophos, water, fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)	Disulf- oton sulfone water, fltrd, ug/L (61640)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)
OCT 26...	--	<.008	--	<.009	<.003	E.006	<.01	<.005	<.08	<.009	<.006	--	--
OCT 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 14...	--	<.008	--	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--	--
FEB 15...	--	<.027	--	<.009	<.003	<.012	<.01	<.005	<.08	<.009	<.006	--	--
APR 28...	--	<.027	--	<.009	<.003	E.005	<.01	<.005	<.08	<.009	<.006	--	--
JUN 09...	<.018	<.027	<.009	<.009	<.003	<.012	--	<.005	<.08	<.009	<.006	<.01	<.02
JUN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<.018	<.027	<.009	<.009	<.003	E.005	--	<.005	<.08	<.009	<.006	<.01	<.02

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Endo- sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fenami- phos sulfone water, fltrd, ug/L (61645)	Fenami- phos sulfide, water, fltrd, ug/L (61646)	Fenami- phos, water, fltrd, ug/L (61591)	Desulf- inyl- fipron- nil amide, wat flt ug/L (62169)	Fipron- nil sulfide water, fltrd, ug/L (62167)	Fipron- nil sulfone water, fltrd, ug/L (62168)	Fipron- nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
OCT 26...	--	--	<.0020	<.004	--	<.049	<.04	<.03	<.029	E.007	<.024	E.014	<.003
OCT 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 14...	--	--	<.0020	<.004	--	<.049	--	<.03	<.029	<.013	<.024	<.016	<.003
FEB 15...	--	--	<.0020	<.004	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--
APR 28...	--	--	<.0020	<.004	--	<.049	<.04	<.03	<.029	E.006	<.024	E.008	--
JUN 09...	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--
JUN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	<.029	E.005	<.024	E.006	--

  

Date	Fonofos water, fltrd, ug/L (04095)	Hexa- zinone, water, fltrd, ug/L (04025)	Ipro- dione, water, fltrd, ug/L (61593)	Isofen- phos, water, fltrd, ug/L (61594)	Mala- oxon, water, fltrd, ug/L (61652)	Mala- thion, water, fltrd, ug/L (39532)	Meta- laxyl, water, fltrd, ug/L (61596)	Methi- althion water, fltrd, ug/L (61598)	Methyl para- oxon, water, fltrd, ug/L (61664)	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)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)
OCT 26...	<.003	<.013	<.387	<.003	<.030	<.027	<.050	<.006	<.03	<.015	.010	<.006	--
OCT 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 14...	<.003	<.013	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--
FEB 15...	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	.006	<.006	--
APR 28...	<.003	<.013	<.538	<.007	<.030	<.027	<.007	<.006	<.03	<.015	.019	<.006	--
JUN 09...	<.003	<.076	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.044	<.006	<.003
JUN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	.030	<.006	<.003

  

Date	Myclo- butanil water, fltrd, ug/L (61599)	Oxy- fluor- fen, water, fltrd, ug/L (61600)	Pendi- meth- alin, 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)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Simaz- ine, water, fltrd, ug/L (04035)
OCT 26...	<.008	--	<.022	<.10	<.011	<.05	<.008	E.01	.007	<.004	--	--	.013
OCT 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 14...	<.008	--	<.022	<.10	<.011	<.05	<.008	.01	<.005	<.004	--	--	.058
FEB 15...	<.008	--	<.022	<.10	<.011	<.05	<.008	E.01	<.005	<.004	--	--	.173
APR 28...	<.008	--	<.022	<.10	<.011	<.05	<.008	.01	.005	<.004	--	--	.080
JUN 09...	<.008	<.007	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	<.011	<.02	.046
JUN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<.008	<.007	<.022	<.10	<.011	--	<.008	.04	.025	<.004	<.011	<.02	.022

## 02089500 NEUSE RIVER AT KINSTON, NC—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Tebu- thiuron water fltrd 0.7u GF (82670)	Teflu- thrin, water, fltrd, ug/L (61606)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	Di- chlor- vos, water fltrd, ug/L (38775)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 26...	<.02	--	<.07	<.02	.01	--	--	--	<.009	<.01	79	44	114
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 14...	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	95	29	193
FEB 15...	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	89	24	110
APR 28...	<.02	--	<.07	<.02	<.01	--	--	--	<.009	<.01	90	31	121
JUN 09...	<.02	<.008	<.07	<.02	<.01	<.010	<.01	<.004	<.009	<.01	84	24	70
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 09...	<.02	<.008	<.07	<.02	<.01	<.010	<.01	<.004	<.009	<.01	80	18	46

Remark codes used in this table:

< -- Less than.

E -- Estimated.

Medium codes used in this table:

9 -- Surface water sample.

D-- Plant tissue sample.