

NEUSE RIVER BASIN

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.

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

INSTRUMENTATION.--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.--

SPECIFIC CONDUCTANCE: Maximum, 242 microsiemens, Sept. 21, 1983; minimum daily, 43 microsiemens, Mar. 28, 1975.

WATER TEMPERATURE: Maximum recorded, 36.0°C, July 13, 14, 19, 20, 1986; minimum daily, 0.0°C, Feb. 7, 1978, Jan. 13, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	
OCT														
17...	1100	--	995	762	7.7	80	7.7	132	17.2	31	7.81	2.70	3.84	
NOV														
06...	1045	--	753	762	--	--	7.7	155	--	34	8.49	2.99	4.24	
DEC														
07...	1030	--	1440	760	13.9	109	7.7	130	5.0	27	6.63	2.54	5.69	
JAN														
24...	1015	--	1710	765	10.3	85	7.2	126	7.3	27	6.63	2.50	3.97	
FEB														
21...	1030	--	2550	766	6.9	64	7.3	111	12.0	24	5.75	2.30	3.22	
MAR														
27...	1000	--	6830	771	7.8	71	6.4	73	11.5	17	4.08	1.64	3.16	
APR														
19...	0930	--	5030	--	--	--	7.3	98	14.5	25	6.02	2.45	2.78	
MAY														
21...	1000	--	947	761	6.0	71	7.3	158	23.5	28	6.75	2.76	4.05	
JUN														
22...	1030	--	4940	762	4.2	51	6.6	76	26.0	19	4.74	1.77	2.82	
JUL														
30...	0930	--	2350	763	6.1	74	7.2	137	24.5	26	6.31	2.45	3.93	
AUG														
29...	0945	E1300	--	763	5.5	68	7.1	112	26.5	25	6.07	2.41	3.21	
SEP														
19...	1000	--	903	765	6.8	78	7.1	113	22.0	26	6.34	2.41	3.65	
DATE		SODIUM AD-SORPTION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, DIS-SOLVED (MG/L AS N) (00608)
OCT														
17...	.9	11.7	42	26	32	12.5	E.1	10.2	10.9	250	93	80	E.035	
NOV														
06...	1	16.1	47	32	39	16.2	.2	7.7	13.9	203	100	91	E.037	
DEC														
07...	1.0	11.8	43	19	23	16.4	E.1	8.7	10.8	342	88	77	E.022	
JAN														
24...	1	14.1	49	23	28	14.4	.2	6.8	11.6	392	85	77	E.022	
FEB														
21...	1.0	10.9	46	20	24	11.3	E.1	7.0	9.9	523	76	65	E.039	
MAR														
27...	.6	5.3	36	10	12	7.3	<.2	5.3	6.8	1330	72	41	<.041	
APR														
19...	.7	8.5	39	18	22	9.1	E.1	4.1	9.2	1170	86	55	<.041	
MAY														
21...	1	16.1	51	25	31	14.9	.3	7.1	14.8	271	106	85	<.040	
JUN														
22...	.5	5.1	33	13	15	6.1	E.1	6.3	5.9	827	62	42	E.028	
JUL														
30...	1	14.8	51	24	29	12.7	.2	7.7	11.0	584	92	76	E.031	
AUG														
29...	.9	10.1	43	18	22	10.9	.2	8.8	8.4	--	85	62	<.040	
SEP														
19...	.8	9.4	40	18	22	11.1	E.1	8.8	7.8	183	75	63	<.040	

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, PAR TICULATE WAT FLT SUSP (MG/L AS N) (49570)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT													
17...	.33	.46	1.2	--	.848	--	E.003	--	1.3	.058	.023	.019	.093
NOV													
06...	.24	.35	.76	--	.512	--	<.006	--	.86	--	.022	E.015	.057
DEC													
07...	.32	.48	1.0	--	.720	--	E.003	--	1.2	.071	.027	.023	.067
JAN													
24...	.36	.40	1.0	--	.661	--	E.005	--	1.1	.064	.036	.021	.082
FEB													
21...	.37	.55	.90	.529	.535	.020	.006	.183	1.1	.150	.061	.049	.168
MAR													
27...	.42	.58	.79	--	.371	--	<.006	.160	.95	.058	.035	.019	.088
APR													
19...	.45	.53	.64	.180	.198	.059	.018	.058	.72	--	.037	<.018	.076
MAY													
21...	.36	.42	1.1	.719	.725	.020	.006	.029	1.1	.055	.041	.018	.096
JUN													
22...	.53	.57	.73	.191	.199	.026	.008	.056	.77	.077	.050	.025	.115
JUL													
30...	.30	.59	.87	.553	.561	.026	.008	.128	1.2	.126	.053	.041	.163
AUG													
29...	.45	.53	--	--	E.423	--	E.005	.062	--	--	.045	E.023	.112
SEP													
19...	.37	.50	.83	.448	.454	.020	.006	.029	.95	.071	.034	.023	.106

DATE	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER DIS, REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
OCT													
17...	--	5.8	.3	230	40.1	<.002	<.004	<.005	<.005	E.005	<.010	<.002	<.041
NOV													
06...	--	4.7	<.2	210	37.8	<.002	<.004	<.002	<.005	E.004	<.010	<.002	<.041
DEC													
07...	--	5.4	.6	300	23.3	<.002	<.004	<.002	<.005	E.003	<.010	<.002	<.041
JAN													
24...	--	4.4	.7	400	17.3	--	--	--	--	--	--	--	--
FEB													
21...	1.6	6.4	--	410	12.1	<.002	<.004	<.002	<.005	.060	<.010	<.002	E.007
MAR													
27...	1.3	9.5	--	420	22.4	<.002	<.004	<.002	<.005	.035	<.010	<.002	<.041
APR													
19...	.5	6.8	--	450	38.4	<.002	<.004	.007	<.005	.022	<.010	<.002	<.041
MAY													
21...	.4	5.0	--	200	19.8	<.002	<.004	<.002	<.005	.018	<.010	<.002	<.041
JUN													
22...	.6	9.8	--	440	29.2	<.002	<.004	<.002	<.005	.027	<.010	<.002	E.010
JUL													
30...	1.3	5.1	--	150	18.3	<.002	<.004	<.002	<.005	.009	<.010	<.002	E.009
AUG													
29...	.6	9.0	--	570	39.5	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.004
SEP													
19...	.5	7.6	--	270	30.9	<.002	<.004	<.002	<.005	E.003	<.010	<.002	E.022

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)
	DATE	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)
OCT 17...	<.020	<.005	<.018	<.003	<.006	E.004	<.005	<.021	<.005	<.009	<.005	<.003	<.004
NOV 06...	<.020	<.005	<.018	<.003	E.005	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004
DEC 07...	<.020	<.005	<.018	<.003	<.006	E.003	<.005	<.021	<.002	<.009	<.005	<.003	<.004
JAN 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 21...	<.020	<.005	<.018	<.003	E.004	.028	<.005	<.021	<.002	<.009	<.005	<.003	<.004
MAR 27...	<.020	<.005	<.018	<.003	E.004	.013	<.005	<.021	<.002	<.009	<.005	<.003	<.004
APR 19...	<.020	<.005	<.018	<.003	E.004	E.004	<.005	<.021	<.002	<.009	<.005	<.003	<.004
MAY 21...	E.025	<.005	<.018	<.003	E.005	E.002	<.005	<.021	<.050	<.009	<.005	<.003	<.004
JUN 22...	<.020	<.005	<.018	<.003	E.003	.017	<.005	<.021	M	<.009	<.005	<.003	<.004
JUL 30...	<.020	<.005	<.018	<.003	E.002	.006	<.005	<.021	<.002	<.009	<.005	<.003	<.004
AUG 29...	<.020	<.005	<.018	<.003	<.006	.008	<.005	<.021	<.002	<.009	<.005	<.003	<.004
SEP 19...	<.020	<.005	<.018	<.003	<.006	.006	<.005	<.021	<.002	<.009	<.005	<.003	<.004
OCT 17...	<.035	E.015	<.050	<.006	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
NOV 06...	<.035	<.027	<.050	<.006	E.004	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
DEC 07...	<.035	E.010	<.050	<.006	.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
JAN 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 21...	<.035	<.027	<.050	<.006	.033	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
MAR 27...	<.035	<.027	<.050	<.006	.030	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
APR 19...	<.035	<.027	<.050	<.006	E.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
MAY 21...	<.035	<.027	<.050	<.006	.046	<.006	.003	<.007	<.003	<.007	<.002	<.010	<.006
JUN 22...	<.035	E.003	<.050	<.006	.077	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
JUL 30...	<.035	E.006	<.050	<.006	.019	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
AUG 29...	<.035	E.008	<.050	<.006	E.008	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
SEP 19...	<.035	<.027	<.050	<.006	E.007	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006

02089500 NEUSE RIVER AT KINSTON, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, 0.7 U REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, 0.7 U REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, 0.7 U REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TER- BUTHYL- AZINE, WATER, DISS, 0.7 U REC (UG/L) (04022)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
OCT 17...	<.011	E.011	<.004	<.010	<.011	<.023	E.006	E.006	<.034	<.017	--	<.005	<.002
NOV 06...	<.011	E.008	<.004	<.010	<.011	<.023	E.007	<.016	<.034	<.017	--	<.005	<.002
DEC 07...	<.011	E.014	<.004	<.010	<.011	<.100	.122	<.016	<.034	<.017	--	<.005	<.002
JAN 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 21...	<.011	E.008	<.004	<.010	<.011	<.023	.228	<.016	<.034	<.017	--	<.005	<.002
MAR 27...	<.011	E.011	<.004	<.010	<.011	<.023	.179	<.016	<.034	<.017	--	<.005	<.002
APR 19...	<.011	E.007	<.004	<.010	<.011	<.030	.074	E.007	<.034	<.017	--	<.005	<.002
MAY 21...	<.011	.019	<.004	<.010	<.011	<.023	.065	E.008	<.034	<.017	--	<.005	<.002
JUN 22...	<.011	.023	.008	<.010	<.011	<.023	.030	<.016	<.034	<.017	--	<.005	<.002
JUL 30...	<.011	.029	<.004	<.010	<.011	<.023	.015	<.016	<.034	<.017	--	<.005	<.002
AUG 29...	<.011	E.012	<.004	<.010	<.011	<.023	E.008	<.016	<.034	<.017	E.005	<.005	<.002
SEP 19...	<.011	.018	<.004	<.010	<.011	<.023	E.006	E.004	<.034	<.017	E.015	<.005	<.002

DATE	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT 17...	<.009	90	11	30
NOV 06...	<.009	89	5	10
DEC 07...	<.009	82	8	31
JAN 24...	--	90	23	106
FEB 21...	<.009	93	51	351
MAR 27...	<.009	83	24	443
APR 19...	<.009	85	20	272
MAY 21...	<.009	86	25	64
JUN 22...	<.009	82	30	400
JUL 30...	<.009	86	64	406
AUG 29...	<.009	83	36	--
SEP 19...	<.009	97	57	139