

Water-Data Report 2008

02089500 NEUSE RIVER AT KINSTON, NC

Neuse Basin
Middle Neuse Subbasin

LOCATION.--Lat 35°15'28", long 77°35'08" referenced to North American Datum of 1983, Lenoir County, NC, Hydrologic Unit 03020202, on left bank at Kinston, 600 ft downstream of bridge on North Carolina Highway 11, and 90 mi upstream from mouth.

DRAINAGE AREA.--2,692 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 10.90 ft above NGVD of 1929. Prior to November 25, 1934, nonrecording gage at North Carolina Highway 11 bridge 1 mi downstream at datum of 10.10 ft. National Weather Service telephone telemetry at station. Satellite telemetry at station.

REMARKS.--Records fair. Flow regulated by Falls Lake (station 02087182). Prior to regulation, maximum discharge: 26,000 ft³/s, October 13, 1964; gage height: 22.86 ft, at site and datum then in use; minimum discharge: 124 ft³/s, September 26, 1932, at site and datum then in use. Minimum discharge for current water year also occurred October 16.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1919 reached a stage of 25.0 ft, at present site and datum; discharge, about 39,000 ft³/s, from information provided by North Carolina State Highway Commission. Flood in October 1924 reached a stage of 24.7 ft, at present site and datum; discharge, 36,000 ft³/s, from information provided by North Carolina State Highway Commission. Flood of September 25-26, 1928, reached a stage of 24.2 ft, at present site and datum; discharge, 34,000 ft³/s.

02089500 NEUSE RIVER AT KINSTON, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	316	2,450	410	2,120	963	2,380	1,150	3,660	844	315	485	1,840
2	305	1,640	400	2,890	1,010	2,250	1,220	4,050	830	324	431	1,350
3	296	1,220	393	3,380	1,190	1,930	1,970	4,450	740	358	403	1,190
4	295	970	400	3,690	1,560	1,670	2,630	4,540	661	562	407	1,140
5	319	825	372	3,280	1,860	1,820	3,100	3,820	616	493	375	946
6	324	707	351	2,340	1,750	2,830	4,020	2,950	593	394	328	954
7	307	611	348	1,760	1,540	3,230	4,800	2,490	542	349	297	1,800
8	311	540	353	1,450	1,370	4,020	5,250	2,140	495	319	278	2,650
9	299	506	346	1,280	1,240	4,390	5,790	1,930	444	637	272	3,460
10	310	488	335	1,180	1,120	4,800	6,300	1,800	396	1,120	270	3,890
11	306	469	334	1,100	1,020	5,180	6,760	1,770	380	1,140	295	4,720
12	296	446	363	1,040	945	5,530	6,820	1,830	377	1,010	343	5,180
13	285	418	374	992	1,010	5,620	5,700	1,690	468	1,220	448	5,670
14	268	400	372	955	1,160	4,660	4,460	1,520	423	1,380	437	5,820
15	244	409	376	911	1,310	3,450	3,660	1,650	374	1,220	467	5,690
16	239	408	495	878	1,630	2,830	3,340	1,570	403	958	440	5,290
17	246	406	895	860	2,020	2,690	3,050	1,420	420	862	463	4,760
18	253	401	970	862	2,600	2,930	2,800	1,320	460	1,010	485	4,290
19	259	429	1,360	906	3,530	3,330	2,520	1,300	540	836	520	3,960
20	262	462	1,430	1,040	3,690	3,410	2,280	1,330	484	638	524	3,800
21	262	421	1,220	1,290	3,660	3,040	2,090	1,350	493	514	483	3,700
22	265	389	1,060	1,420	3,580	2,510	2,080	1,480	417	511	427	3,510
23	325	353	934	1,540	3,480	2,110	2,270	1,400	359	611	376	3,240
24	363	332	843	1,490	3,310	1,840	2,220	1,380	339	645	333	3,000
25	387	330	797	1,370	2,990	1,630	2,030	1,280	539	599	332	2,860
26	704	358	845	1,280	2,730	1,490	1,910	1,160	724	636	306	3,110
27	923	357	1,690	1,210	2,540	1,380	1,780	1,050	664	708	305	3,420
28	1,560	352	1,910	1,140	2,390	1,280	1,870	979	534	733	563	3,620
29	2,000	360	1,970	1,070	2,300	1,210	2,370	927	460	723	553	3,760
30	2,740	372	2,220	1,020	---	1,150	2,910	903	374	656	841	4,000
31	2,950	---	2,170	975	---	1,130	---	860	---	571	1,530	---
Total	18,219	17,829	26,336	46,719	59,498	87,720	99,150	59,999	15,393	22,052	14,017	102,620
Mean	588	594	850	1,507	2,052	2,830	3,305	1,935	513	711	452	3,421
Max	2,950	2,450	2,220	3,690	3,690	5,620	6,820	4,540	844	1,380	1,530	5,820
Min	239	330	334	860	945	1,130	1,150	860	339	315	270	946

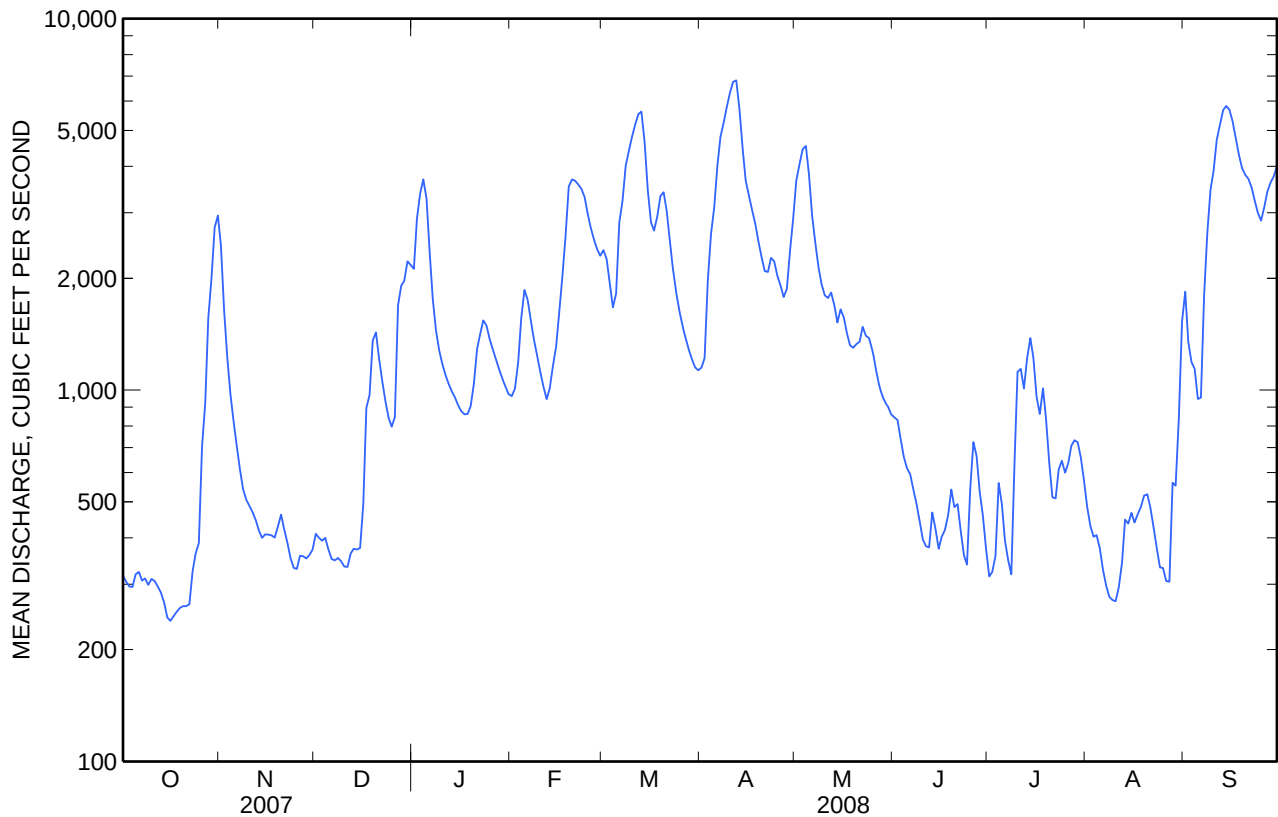
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2008^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,831	1,828	2,500	3,490	4,213	5,168	4,291	2,228	1,834	1,622	1,798	2,508
Max	14,280	6,168	5,695	7,560	12,600	11,410	9,582	8,773	6,062	5,223	5,565	16,430
(WY)	(2000)	(2007)	(2007)	(1993)	(1998)	(1998)	(1989)	(1989)	(1995)	(1989)	(2003)	(1999)
Min	366	430	760	1,181	1,571	1,245	878	563	400	468	314	357
(WY)	(1984)	(1988)	(1988)	(1986)	(2001)	(2006)	(1986)	(1986)	(2002)	(1987)	(1983)	(1985)

02089500 NEUSE RIVER AT KINSTON, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1983 - 2008 ^a	
Annual total	651,172		569,552			
Annual mean	1,784		1,556		2,722	
Highest annual mean					4,583	
Lowest annual mean					1,204	
Highest daily mean	9,800	Jan 1	6,820	Apr 12	35,800	Sep 23, 1999
Lowest daily mean	239	Oct 16	239	Oct 16	200	Sep 20, 1985
Annual seven-day minimum	252	Oct 15	252	Oct 15	214	Sep 16, 1985
Maximum peak flow			6,930	Apr 12	36,300	Sep 22, 1999
Maximum peak stage			14.05	Apr 12	27.71	Sep 22, 1999
Instantaneous low flow			^b 237	Oct 15	196	Sep 20, 1985
10 percent exceeds	4,790		3,670		6,720	
50 percent exceeds	876		1,040		1,570	
90 percent exceeds	335		332		502	

^aRegulated period only (1983-2008). See Remarks.^bSee Remarks.

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 (National Water-Quality Assessment) program from March 1993 to current year. Station also operated as part of NASQAN (National Stream Quality Accounting Network) from October 1974 to September 1994. Daily records of specific conductance for January 1955 to September 1956 are available from the USGS Water Science Center, Raleigh, NC.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 248 microsiemens, August 17, 2002; minimum recorded, 43 microsiemens, March 28, 1975 (daily).

WATER TEMPERATURE: Maximum recorded, 36.0°C, July 13, 14, 19, 20, 1986; minimum recorded, 0.0°C, February 7, 1978, January 13, 1981 (daily).

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 9

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Sample medium and type	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, μ S/cm 25 degC (00095)	Temperature, water, deg C (00010)
Oct									
12...	1230	Surface water, regular	299	766	9.0	102	7.6	235	22.0
Nov									
05...	1245	Surface water, regular	823	762	8.9	87	7.4	160	14.5
16...	1230	Surface water, regular	407	762	9.9	93	6.7	229	12.5
Dec									
21...	1315	Surface water, regular	1,230	754	11.6	97	7.7	160	7.3
Jan									
08...	1300	Surface water, regular	1,440	758	10.6	91	6.8	137	8.5
25...	1215	Surface water, regular	1,360	762	12.3	98	5.7	154	5.6
Feb									
25...	1345	Surface water, regular	2,960	761	10.1	90	6.3	126	10.2
Mar									
05...	1215	Surface water, replicate	1,760	748	8.6	87	6.1	134	14.8
05...	1216	QC - Surface water, replicate	--	--	--	--	--	--	--
24...	1200	Surface water, regular	1,850	755	8.6	86	7.1	119	14.8
Apr									
07...	1200	Surface water, regular	4,580	767	7.4	74	6.7	92	15.6
May									
01...	1345	Surface water, regular	3,550	767	6.8	74	7.2	93	19.8
15...	1340	Surface water, regular	1,670	763	7.6	84	6.9	136	20.5
15...	1341	QC - Surface water, spike	--	--	--	--	--	--	--
Jun									
16...	1315	Surface water, regular	415	759	7.4	98	7.5	192	29.6
Jul									
01...	1115	Surface water, regular	316	760	7.8	101	6.6	160	28.3
16...	1235	Surface water, regular	952	760	6.6	85	6.9	118	28.1
Aug									
18...	1300	Surface water, regular	487	760	7.7	98	7.1	222	27.6
18...	1301	QC - Artificial, blank	--	--	--	--	--	--	--
Sep									
04...	1230	Surface water, regular	1,140	760	6.9	87	6.6	144	27.3
22...	1230	Surface water, regular	3,510	757	6.0	70	6.6	113	22.6

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 9

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Alka- linity, wat flt inf tit field, mg/L as CaCO ₃ (39086)	Bicar- bonate, wat flt infl pt titr., field, mg/L (00453)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L as P (00665)	1-Naph- thol, water, fltrd 0.7u GF μg/L (49295)	2,6-Di- ethyl- aniline water, fltrd 0.7u GF μg/L (82660)
Oct													
12...	38	47	26.3	24.4	.068	.29	.005	.57	.123	.040	.089	<.04	<.006
Nov													
05...	17	21	14.9	24.6	.067	.45	.004	.93	.073	.024	.118	<.04	<.006
16...	35	42	24.2	25.1	.036	.58	.003	.95	.056	.018	.091	<.04	<.006
Dec													
21...	23	27	16.6	21.9	<.020	.52	.003	1.11	.155	.051	.171	<.04	<.006
Jan													
08...	38	47	14.5	23.3	.041	.59	.002	1.13	.073	.024	.104	<.04	<.006
25...	48	59	16.9	22.3	.021	.66	.002	1.21	.191	.062	.178	<.04	<.006
Feb													
25...	25	31	14.6	19.3	.026	.79	.003	1.28	.059	.019	.110	<.04	<.006
Mar													
05...	31	38	14.9	19.0	.046	.72	.003	1.27	.124	.040	.160	<.04	<.006
05...	29	36	14.9	19.0	.046	.72	.003	1.27	.110	.036	.158	<.04	<.006
24...	33	41	14.5	14.8	.059	.57	.004	1.22	.088	.029	.119	<.04	<.006
Apr													
07...	9	11	10.4	10.2	.030	.57	.005	1.35	.108	.035	.160	<.04	<.006
May													
01...	14	17	9.44	8.97	.027	.43	.007	1.16	.116	.038	.211	<.04	<.006
15...	24	29	14.5	13.2	.034	.57	.006	1.13	.171	.056	.151	<.04	<.006
15...	--	--	--	--	--	--	--	--	--	--	--	E.07	.093
Jun													
16...	27	33	21.2	21.4	<.020	.33	.005	.82	.132	.043	.098	<.04	<.006
Jul													
01...	30	37	17.6	18.3	<.020	<.04	<.002	.67	.103	.034	.136	<.04	<.006
16...	21	26	12.5	12.6	.039	.35	.005	.95	.307	.100	.210	<.04	<.006
Aug													
18...	29	35	23.2	23.2	E.017	.26	.003	.67	.253	.083	.131	<.04	<.006
18...	--	--	<.12	<.18	<.020	<.04	<.002	<.06	--	<.006	<.008	<.04	<.006
Sep													
04...	19	23	14.9	17.2	<.020	.47	.007	1.07	.323	.105	.246	<.04	<.006
22...	20	25	10.2	9.44	.038	.33	.008	.91	.153	.050	.134	<.04	<.006

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 9

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	2Chloro -2',6'- diethyl acet- anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl -6- methyl- aniline water, fltrd, µg/L (61620)	3,4-Di- chloro- aniline water, fltrd, µg/L (61625)	3,5-Di- chloro- aniline water, fltrd, µg/L (61627)	4- Chloro- 2methyl phenol, water, fltrd, µg/L (61633)	Aceto- chlor, water, fltrd, µg/L (49260)	Ala- chlor, water, fltrd, µg/L (46342)	alpha- Endo- sulfan, water, fltrd, µg/L (34362)	Atra- zine, water, fltrd, µg/L (39632)	Azin- phos- methyl oxon, water, fltrd, µg/L (61635)	Azin- phos- methyl, water, fltrd 0.7u GF µg/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF µg/L (82673)
Oct													
12...	<.010	E.007	<.010	E.009	<.008	<.005	<.006	<.006	<.006	.016	<.04	<.120	<.004
Nov													
05...	<.010	E.006	<.010	E.007	<.008	<.005	<.006	<.006	<.006	.012	<.04	<.120	<.004
16...	<.010	E.007	<.010	E.021	<.008	<.005	<.006	<.006	<.006	.014	<.04	<.120	<.004
Dec													
21...	<.010	E.006	<.010	<.006	<.008	<.005	<.006	<.006	<.006	.020	<.04	<.120	<.004
Jan													
08...	<.010	E.006	<.010	E.007	<.008	<.005	<.006	<.006	<.006	.015	<.04	<.120	<.006
25...	<.010	E.007	<.010	E.015	<.008	<.005	<.006	<.006	<.006	.015	<.04	<.120	<.004
Feb													
25...	<.010	E.009	<.010	E.007	<.008	<.005	<.006	<.006	<.006	.030	<.04	<.120	<.004
Mar													
05...	<.010	E.009	<.010	E.007	<.008	<.005	<.006	<.006	<.006	.020	<.04	<.120	<.010
05...	<.010	E.009	<.010	E.007	<.008	<.005	<.006	<.006	<.006	.020	<.04	<.120	<.010
24...	<.010	E.009	<.010	E.008	<.008	<.005	<.006	<.006	<.006	.023	<.04	<.120	<.010
Apr													
07...	<.010	E.022	<.010	E.008	<.008	<.005	<.006	.088	<.006	.414	<.04	<.120	<.010
May													
01...	<.010	E.025	<.010	E.010	<.008	E.007	<.006	.026	<.006	.212	<.04	<.120	<.010
15...	<.010	E.010	<.010	E.011	<.008	E.003	<.006	E.006	<.006	.044	<.04	<.120	<.010
15...	.123	E.065	E.087	E.075	.084	E.065	.118	.118	.103	.146	E.12	E.136	.076
Jun													
16...	<.010	E.020	<.010	E.012	<.008	<.005	<.006	<.006	<.006	.091	<.06	<.120	<.010
Jul													
01...	<.010	E.013	<.010	E.016	<.008	<.005	<.006	<.006	<.006	.024	<.04	<.120	<.010
16...	<.010	E.007	<.010	E.018	<.008	<.005	<.006	<.006	<.006	.027	<.04	<.120	<.010
Aug													
18...	<.010	E.007	<.010	E.013	E.004	<.005	<.006	<.006	<.006	.015	<.04	<.120	<.010
18...	<.010	<.014	<.010	<.006	<.008	<.005	<.006	<.006	<.006	<.007	<.04	<.120	<.010
Sep													
04...	<.010	E.009	<.010	E.017	<.008	<.005	<.006	<.006	<.006	.014	<.04	<.120	<.010
22...	<.010	E.008	<.010	E.008	<.008	<.005	<.006	<.006	<.006	.018	<.04	<.120	<.010

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 9

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Car- baryl, water, fltrd 0.7u GF µg/L (82680)	Carbo- furan, water, fltrd 0.7u GF µg/L (82674)	Chlor- pyrifos oxon, water, fltrd, µg/L (61636)	Chlor- pyrifos water, fltrd, µg/L (38933)	cis- Per- methrin water fltrd 0.7u GF µg/L (82687)	cis- Propi- cona- zole, water, fltrd, µg/L (79846)	Cyana- zine, water, fltrd, µg/L (04041)	Cyflu- thrin, water, fltrd, µg/L (61585)	lambda- Cyhalo- thrin, water, fltrd, µg/L (61595)	Cyper- methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)	Desulf- inyl- fipro- nil, water, fltrd, µg/L (62170)	Diazi- non, water, fltrd, µg/L (39572)
Oct													
12...	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.007	<.005
Nov													
05...	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.006	<.005
16...	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.007	<.005
Dec													
21...	E.011	<.020	<.06	<.014	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.006	<.005
Jan													
08...	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.005	<.005
25...	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.009	<.014	<.003	E.005	<.005
Feb													
25...	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.005	<.005
Mar													
05...	E.009	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.006	<.005
05...	E.010	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.006	<.005
24...	E.008	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.007	<.005
Apr													
07...	E.010	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.007	<.005
May													
01...	E.038	<.020	<.06	<.006	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.007	<.005
15...	E.006	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.004	E.004
15...	E.160	E.145	E.09	.104	.071	E.037	.122	E.085	E.055	E.080	.107	.120	.095
Jun													
16...	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.009	<.005
Jul													
01...	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.009	<.005
16...	E.021	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.005	<.005
Aug													
18...	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.006	<.005
18...	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	<.012	<.005
Sep													
04...	E.013	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.006	<.005
22...	E.007	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	E.005	<.005

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 9

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Dicro- tophos, water, fltrd, µg/L (38454)	Diel- drin, water, fltrd, µg/L (39381)	Dimeth- oate, water, fltrd 0.7u GF µg/L (82662)	Disulf- oton sulfone water, fltrd, µg/L (61640)	Disul- foton, water, fltrd 0.7u GF µg/L (82677)	Endo- sulfan sulfate water, fltrd, µg/L (61590)	EPTC, water, fltrd 0.7u GF µg/L (82668)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Etho- prop, water, fltrd 0.7u GF µg/L (82672)	Fenami- phos sulfone water, fltrd, µg/L (61645)	Fenami- phos sulf- oxide, water, fltrd, µg/L (61646)	Fenami- phos, water, fltrd, µg/L (61591)
Oct													
12...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.04	<.03
Nov													
05...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.04	<.03
16...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.04	<.03
Dec													
21...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.06	<.03
Jan													
08...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.04	<.03
25...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.04	<.03
Feb													
25...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.04	<.03
Mar													
05...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	E.030	<.053	<.20	<.03
05...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	E.035	<.053	<.20	<.03
24...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03
Apr													
07...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03
May													
01...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03
15...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03
15...	E.04	.112	E.040	.12	E.09	.116	.094	E.12	.101	.132	E.128	E.03	.12
Jun													
16...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03
Jul													
01...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03
16...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03
Aug													
18...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03
18...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03
Sep													
04...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03
22...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 9

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Desulf- inyl- fipro- nil amide, wat flt µg/L (62169)	Fipro- nil sulfide water, fltrd, µg/L (62167)	Fipro- nil sulfone water, fltrd, µg/L (62168)	Fipro- nil, water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Hexa- zinone, water, fltrd, µg/L (04025)	Ipro- dione, water, fltrd, µg/L (61593)	Isofen- phos, water, fltrd, µg/L (61594)	Mala- oxon, water, fltrd, µg/L (61652)	Mala- thion, water, fltrd, µg/L (39532)	Meta- laxyl, water, fltrd, µg/L (61596)	Methid- athion, water, fltrd, µg/L (61598)	Methyl para- oxon, water, fltrd, µg/L (61664)
Oct													
12...	E.004	E.006	E.007	E.009	<.010	<.008	<.01	<.006	<.020	<.016	<.008	<.004	<.01
Nov													
05...	E.007	E.007	E.008	E.011	<.010	<.008	<.01	<.006	<.020	<.016	.009	<.004	<.01
16...	E.007	E.008	E.008	E.012	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01
Dec													
21...	E.007	E.007	<.024	E.014	<.010	<.008	<.01	<.006	<.020	<.016	.010	<.004	<.01
Jan													
08...	<.029	E.007	<.024	E.010	<.010	<.008	<.01	<.006	<.020	<.016	<.008	<.004	<.01
25...	<.029	E.007	E.008	E.011	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01
Feb													
25...	<.029	E.005	<.024	E.007	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01
Mar													
05...	<.029	E.009	E.008	E.012	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01
05...	<.029	<i>E.010</i>	<i>E.009</i>	<i>E.013</i>	<.010	<.008	<.01	<.006	<.020	<.016	<.008	<.004	<.01
24...	E.005	E.008	E.008	E.011	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01
Apr													
07...	E.005	E.007	E.007	E.013	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01
May													
01...	E.005	E.008	E.008	E.019	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01
15...	<.029	E.004	<.024	E.007	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01
15...	<i>E.152</i>	<i>.120</i>	<i>.117</i>	<i>E.118</i>	<i>.094</i>	<i>.102</i>	<i>M</i>	<i>.112</i>	<i>.150</i>	<i>.116</i>	<i>.124</i>	<i>.116</i>	<i>E.10</i>
Jun													
16...	E.009	E.009	E.010	E.012	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01
Jul													
01...	E.005	E.007	E.009	E.011	<.010	<.008	<.01	<.006	<.020	<.016	.020	<.004	<.01
16...	E.003	E.005	E.005	E.010	<.010	<.008	<.01	<.006	<.020	<.016	E.009	<.004	<.01
Aug													
18...	E.003	E.005	E.005	E.007	<.010	<.008	<.01	<.006	<.020	<.016	.015	<.004	<.01
18...	<.029	<.013	<.024	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01
Sep													
04...	E.003	E.007	<.024	E.011	<.010	<.008	<.01	<.006	<.020	<.016	<.010	<.004	<.01
22...	<.029	E.006	<.024	E.009	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 9

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Methyl para- thion, water, fltrd 0.7u GF µg/L (82667)	Metola- chlor, water, fltrd, µg/L (39415)	Metri- buzin, water, fltrd, µg/L (82630)	Moli- nate, water, fltrd 0.7u GF µg/L (82671)	Myclo- butanil water, fltrd, µg/L (61599)	Oxy- fluor- fen, water, fltrd, µg/L (61600)	Pendi- meth- alin, water, fltrd 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prome- ton, water, fltrd, µg/L (04037)	Prome- tryn, water, fltrd, µg/L (04036)
Oct													
12...	<.008	E.008	<.012	<.021	<.010	<.006	<.012	<.03	<.040	<.05	<.008	.01	<.006
Nov													
05...	<.008	E.010	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	.02	<.006
16...	<.008	E.009	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	.01	<.006
Dec													
21...	<.008	.011	<.012	<.003	<.010	<.006	<.012	<.03	<.040	--	<.008	.02	<.006
Jan													
08...	<.008	.011	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	.01	<.006
25...	<.008	.012	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	E.01	<.006
Feb													
25...	<.008	.016	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	E.01	.007
Mar													
05...	<.008	.018	<.012	<.003	<.021	<.006	<.012	<.03	<.040	<.05	<.008	E.01	.008
05...	<.008	.018	<.012	<.003	<.024	<.006	<.012	<.03	<.040	<.05	<.008	E.01	.009
24...	<.008	.013	<.012	<.003	<.011	<.006	<.012	<.03	<.040	<.05	<.008	E.01	<.006
Apr													
07...	<.008	.178	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	.01	<.006
May													
01...	<.008	.101	<.012	<.003	<.017	<.006	<.012	<.03	<.040	<.05	<.008	.02	<.007
15...	<.008	E.035	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	.01	<.006
15...	.118	.144	.088	.102	.122	.095	.108	E.12	.080	E.02	E.016	.09	.106
Jun													
16...	<.008	.042	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	.02	<.006
Jul													
01...	<.008	.018	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	.02	<.006
16...	<.008	.020	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	.02	<.006
Aug													
18...	<.008	.014	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	.01	<.006
18...	<.008	<.010	<.012	<.003	<.010	<.006	<.012	<.03	<.040	--	<.008	<.01	<.006
Sep													
04...	<.008	.011	<.012	<.003	.011	<.006	<.012	<.03	<.040	<.05	<.008	.02	<.006
22...	<.008	E.009	<.012	<.003	<.010	<.006	<.012	<.03	<.040	--	<.008	.02	<.006

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 9

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Propy- zamide, water, fltrd 0.7u GF µg/L (82676)	Pro- panil, water, fltrd 0.7u GF µg/L (82679)	Propar- gite, water, fltrd 0.7u GF µg/L (82685)	Sima- zine, water, fltrd, µg/L (04035)	Tebu- thiuron water, fltrd 0.7u GF µg/L (82670)	Teflu- thrin, water, fltrd, µg/L (61606)	Ter- bufos oxon sulfone water, fltrd, µg/L (61674)	Terbu- fos, water, fltrd 0.7u GF µg/L (82675)	Ter- buthyl- azine, water, fltrd, µg/L (04022)	Thio- bencarb water, fltrd 0.7u GF µg/L (82681)	trans- Propi- cona- zole, water, fltrd, µg/L (79847)	Tribu- phos, water, fltrd, µg/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)
Oct													
12...	<.004	<.006	<.04	.029	<.02	<.003	<.04	<.02	E.01	<.010	<.02	<.035	<.006
Nov													
05...	<.004	<.006	<.04	.034	<.02	<.003	<.04	<.02	E.01	<.010	<.02	<.035	<.006
16...	<.004	<.006	<.04	.043	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.040	<.006
Dec													
21...	<.004	<.006	<.04	.137	<.02	<.003	<.04	<.02	.01	<.010	<.02	<.035	<.006
Jan													
08...	<.004	<.006	<.04	.377	<.02	<.005	<.04	<.02	<.01	<.010	<.02	<.035	<.006
25...	<.004	<.006	<.04	.164	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.006
Feb													
25...	<.004	<.006	<.04	.135	<.02	<.003	<.04	<.02	.01	<.010	<.02	<.035	<.006
Mar													
05...	<.004	<.006	<.04	.212	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009
05...	<.004	<.006	<.04	.208	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009
24...	<.004	<.006	<.04	.131	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009
Apr													
07...	<.004	<.006	<.04	.161	<.02	<.003	<.04	<.02	<.01	<.010	E.01	<.035	<.009
May													
01...	<.004	<.006	<.04	.112	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009
15...	<.004	<.006	<.04	.102	<.02	<.003	<.04	<.02	M	<.010	<.02	<.035	<.009
15...	.086	.136	.17	.204	.14	E.062	.16	.08	.11	.118	E.10	E.126	.083
Jun													
16...	<.004	<.006	<.04	.063	E.01	<.003	<.04	<.02	.01	<.010	<.02	<.035	<.009
Jul													
01...	<.004	<.006	<.04	.099	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009
16...	<.004	<.006	<.04	.055	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009
Aug													
18...	<.004	<.006	<.04	.058	E.01	<.003	<.04	<.02	E.01	<.010	<.02	<.036	<.009
18...	<.004	<.006	<.04	<.006	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009
Sep													
04...	<.004	<.006	<.04	.043	<.02	<.005	<.04	<.02	<.01	<.010	<.02	<.035	<.009
22...	<.004	<.006	<.04	.055	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 9

[QC, quality control sample. Remark codes: <, less than; E, estimated;
M, presence verified but not quantified.]

Date	Di- chlor- vos, water, fltrd, µg/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)	Data base number	Medium code
Oct						
12...	<.01	79	9	7.3	01	WS
Nov						
05...	<.01	84	26	58	01	WS
16...	<.01	97	13	14	01	WS
Dec						
21...	<.01	90	34	113	01	WS
Jan						
08...	<.01	97	21	82	01	WS
25...	<.01	74	41	151	01	WS
Feb						
25...	<.01	93	32	256	01	WS
Mar						
05...	<.01	81	42	200	01	WS
05...	<.01	93	21	--	04	WSQ
24...	<.01	91	37	185	01	WS
Apr						
07...	<.01	60	58	717	01	WS
May						
01...	<.01	91	79	757	01	WS
15...	<.01	94	35	158	01	WS
15...	E.05	--	--	--	04	WSQ
Jun						
16...	<.01	86	10	11	01	WS
Jul						
01...	<.01	98	17	15	01	WS
16...	<.01	32	131	337	01	WS
Aug						
18...	<.01	76	13	17	01	WS
18...	<.01	--	--	--	04	OAQ
Sep						
04...	<.01	93	46	142	01	WS
22...	<.01	88	27	256	01	WS