

Water-Data Report 2007

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 good except those for estimated daily discharges, which are 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 September 14.

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 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,020	2,530	12,700	e9,800	4,110	2,760	2,080	1,750	650	930	715	417
2	1,080	2,180	11,400	e9,400	4,130	3,000	1,980	1,520	623	934	765	359
3	1,110	1,840	9,170	e8,200	4,200	3,040	1,900	1,400	745	817	682	356
4	1,000	1,580	7,950	6,910	4,310	3,150	1,830	1,410	958	784	599	350
5	924	1,390	6,700	5,980	4,490	3,630	1,770	1,480	962	657	521	339
6	873	1,260	6,160	5,540	4,540	4,130	1,690	1,420	1,270	566	467	331
7	844	1,220	6,020	5,270	4,280	4,460	1,620	1,420	1,640	588	443	321
8	840	1,520	6,050	5,160	3,830	4,490	1,550	1,300	1,320	594	430	313
9	902	1,910	6,130	5,170	3,400	4,190	1,450	1,200	1,030	573	407	305
10	1,180	2,830	6,190	5,370	3,100	3,890	1,380	1,150	876	599	478	305
11	1,280	3,720	6,200	5,610	2,910	3,650	1,360	1,140	772	806	755	308
12	1,280	4,120	6,160	5,790	2,780	3,140	1,350	1,150	699	1,070	794	297
13	1,240	4,390	6,070	5,870	2,680	2,610	1,500	1,230	680	876	586	295
14	1,130	4,260	5,970	5,810	2,710	2,400	1,650	1,170	700	752	527	295
15	1,030	4,150	5,780	5,680	3,080	2,310	2,740	1,230	653	820	549	379
16	967	4,440	5,000	5,590	3,380	2,240	3,850	1,600	622	898	484	677
17	900	4,850	3,560	5,520	3,660	2,220	4,310	1,430	688	761	441	747
18	889	5,850	2,620	5,500	3,750	2,480	4,720	1,290	708	793	427	1,110
19	1,080	6,420	2,310	5,480	3,640	3,500	5,010	1,280	658	941	422	999
20	1,250	6,970	2,180	5,390	3,410	4,050	5,230	1,240	630	1,160	412	752
21	1,570	7,410	2,090	5,080	3,150	4,590	5,310	1,110	674	2,330	402	576
22	1,570	10,000	2,030	4,760	2,930	5,030	5,230	981	660	2,370	407	501
23	1,430	11,800	2,330	4,600	2,790	5,300	5,050	909	571	1,600	397	447
24	1,340	12,800	2,590	4,710	2,700	5,300	4,830	868	574	1,150	401	410
25	1,210	12,600	3,460	5,060	2,590	4,990	4,630	830	618	871	405	414
26	1,130	12,300	4,660	5,460	2,320	4,460	4,420	794	562	708	406	405
27	1,060	12,300	5,690	5,670	2,150	3,860	4,180	762	553	601	412	382
28	1,460	12,500	6,170	5,550	2,350	3,370	3,800	735	528	551	503	356
29	2,050	12,900	6,830	5,130	---	3,090	2,870	717	530	528	481	343
30	2,350	13,000	7,590	4,670	---	2,870	2,060	696	621	496	451	330
31	2,620	---	e8,800	4,320	---	2,410	---	660	---	564	485	---
Total	38,609	185,040	176,560	178,050	93,370	110,610	91,350	35,872	22,775	27,688	15,654	13,419
Mean	1,245	6,168	5,695	5,744	3,335	3,568	3,045	1,157	759	893	505	447
Max	2,620	13,000	12,700	9,800	4,540	5,300	5,310	1,750	1,640	2,370	794	1,110
Min	840	1,220	2,030	4,320	2,150	2,220	1,350	660	528	496	397	295

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2007^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,882	1,877	2,566	3,569	4,302	5,262	4,330	2,240	1,886	1,659	1,852	2,472
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)

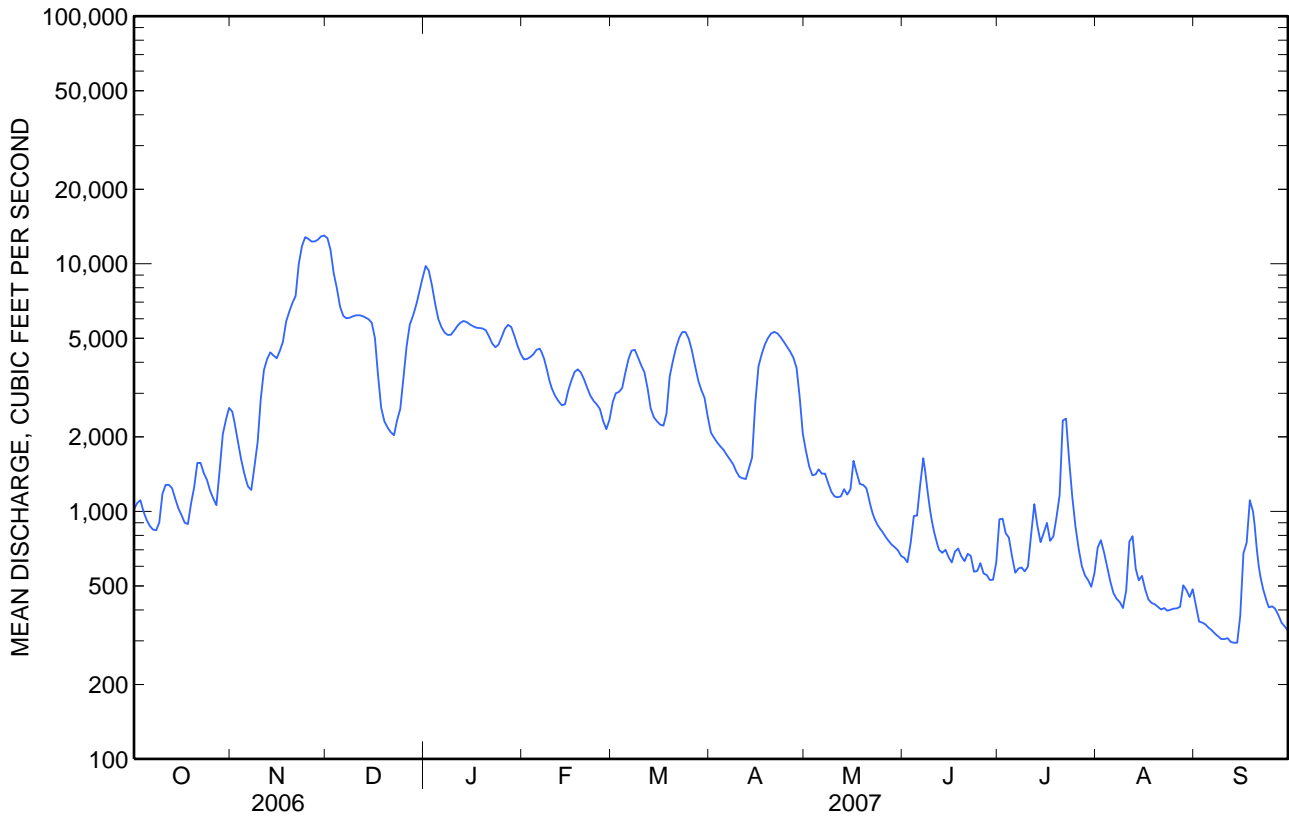
02089500 NEUSE RIVER AT KINSTON, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1983 - 2007 ^a	
Annual total	991,648		988,997			
Annual mean	2,717		2,710		2,771	
Highest annual mean					4,583	2003
Lowest annual mean					1,204	1988
Highest daily mean	13,000	Nov 30	13,000	Nov 30	35,800	Sep 23, 1999
Lowest daily mean	611	Aug 30	295	Sep 13	200	Sep 20, 1985
Annual seven-day minimum	722	May 31	303	Sep 8	214	Sep 16, 1985
Maximum peak flow			13,100	Nov 30	36,300	Sep 22, 1999
Maximum peak stage			18.18	Nov 30	27.71	Sep 22, 1999
Instantaneous low flow			^b 292	Sep 13	196	Sep 20, 1985
10 percent exceeds	6,160		5,860		6,840	
50 percent exceeds	1,730		1,550		1,600	
90 percent exceeds	846		445		517	

^a Regulated period only (1983-2007). See Remarks.

^b See 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 2006 TO SEPTEMBER 2007

Part 1 of 8

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

Date	Time	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. 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)
Oct													
12...	1045	1,290	753	7.6	85	7.0	158	20.0	23	28	15.8	12.3	.026
Nov													
17...	1300	4,860	757	7.8	78	6.8	103	14.7	12	14	10.2	8.01	E.015
30...	1500	13,000	766	7.7	70	5.8	70	11.4	7	8	6.39	6.39	<.020
Dec													
18...	1330	2,560	766	9.7	87	6.7	117	10.7	15	18	12.1	10.7	.059
Jan													
10...	1300	5,380	770	8.6	78	5.5	93	11.2	12	16	8.47	7.75	.028
31...	1130	4,330	766	11.6	92	6.1	105	5.8	--	--	9.15	8.70	.025
Feb													
21...	1230	3,140	760	12.1	100	6.4	115	7.2	17	21	10.5	10.1	E.011
Mar													
13...	1230	2,590	755	10.1	97	6.0	104	13.3	18	22	9.52	9.35	<.020
20...	1200	4,060	771	9.4	85	7.8	82	11.3	15	18	8.08	6.84	<.020
Apr													
18...	1300	4,740	751	9.1	93	6.4	89	15.7	16	19	9.70	8.08	.029
May													
07...	1230	1,430	765	8.3	89	7.1	127	18.8	34	41	12.7	11.5	.064
30...	1200	702	765	6.8	86	7.1	166	27.3	27	33	17.3	15.2	<.020
Jun													
14...	1200	707	760	6.9	83	7.3	160	24.6	30	36	16.9	14.4	.029
Jul													
10...	1215	551	760	7.0	93	7.6	167	29.7	23	28	19.5	16.9	<.020
31...	1115	547	755	7.2	92	7.2	166	27.2	28	34	17.8	17.3	<.020
Aug													
08...	1200	431	758	7.7	106	7.6	168	31.9	26	32	18.4	16.2	<.020
Sep													
05...	1045	340	764	7.8	98	6.9	213	27.0	28	35	24.3	19.9	E.017
21...	1230	564	758	7.2	85	7.1	162	23.5	23	28	16.2	18.7	<.020

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 8

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

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat unf by analysis, mg/L (62855)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd, mg/L (00665)	1-Naphthol, water, fltrd 0.7u GF (49295)	2,6-Diethyl-aniline, water, fltrd 0.7u GF (82660)	2Chloro -2',6'-diethyl acet-anilide, wat flt (61618)	CIAT, water, fltrd, (04040)	2-Ethyl -6- methyl-aniline, water, fltrd, (61620)	3,4-Di-chloro-aniline, water, fltrd, (61625)	3,5-Di-chloro-aniline, water, fltrd, (61627)	4-Chloro-2methyl phenol, water, fltrd, (61633)
Oct													
12...	.87	.004	1.45	.102	.159	<.09	<.006	<.006	E.007	<.010	E.011	<.012	<.005
Nov													
17...	.38	.003	1.00	.037	.144	<.09	<.006	<.006	<.014	<.010	<.004	<.012	<.005
30...	.33	.003	.85	.020	.074	<.09	<.006	<.006	<.014	<.010	<.004	<.012	<.005
Dec													
18...	.86	.005	1.39	.022	.106	<.09	<.006	<.006	E.006	<.010	<.005	<.012	<.005
Jan													
10...	.60	.007	1.23	.019	.102	<.09	<.006	<.006	<.014	<.010	<.004	<.012	<.005
31...	.82	.004	1.32	.011	.066	--	--	--	--	--	--	--	--
Feb													
21...	.90	.004	1.39	.009	.076	<.09	<.006	<.006	<.014	<.010	E.006	<.012	<.005
Mar													
13...	.59	.004	1.10	.008	.111	<.09	<.006	<.006	E.008	<.010	E.008	<.012	<.005
20...	.46	.006	1.14	E.006	.139	<.09	<.006	<.006	E.007	<.010	E.007	<.012	E.008
Apr													
18...	.60	.005	1.19	.031	.150	<.09	<.006	<.010	E.026	<.010	E.008	<.012	<.005
May													
07...	.82	.011	1.36	.047	.163	<.09	<.006	<.006	E.025	<.010	E.012	<.012	<.005
30...	.45	.004	.82	.030	.079	<.09	<.006	<.006	E.009	<.010	E.009	<.012	<.005
Jun													
14...	.64	.007	1.03	.059	.123	<.09	<.006	<.006	E.009	<.010	E.013	<.012	<.005
Jul													
10...	.45	.006	.91	.069	.127	<.09	<.006	<.006	E.008	<.010	E.009	<.012	<.005
31...	.33	.004	.89	.024	.137	<.09	<.006	<.006	E.007	<.010	E.009	<.012	<.005
Aug													
08...	.23	.005	.80	.051	.154	M	<.006	<.006	E.007	<.010	E.012	<.012	<.005
Sep													
05...	.40	.007	.84	.075	.137	<.09	<.006	<.006	E.007	<.010	E.012	<.012	<.005
21...	.55	.008	.99	.048	.136	<.09	<.006	<.006	E.008	<.010	E.011	<.012	<.005

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 8

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

Date	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)	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)
Oct													
12...	<.006	<.005	<.011	.008	<.04	<.080	<.010	E.012	<.020	<.06	<.005	<.010	<.013
Nov													
17...	<.006	<.005	<.011	.009	<.04	<.080	<.010	E.018	<.020	<.06	<.005	<.010	<.013
30...	<.006	<.005	<.011	.012	<.04	<.080	<.010	<.060	<.020	<.06	<.005	<.010	<.013
Dec													
18...	<.006	<.005	<.011	.009	<.04	<.080	<.010	<.060	<.020	<.06	<.005	<.010	<.013
Jan													
10...	<.006	<.005	<.011	.015	<.04	<.080	<.010	<.060	<.020	<.06	<.025	<.010	<.013
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
21...	<.006	<.005	<.011	.015	<.04	<.080	<.010	E.006	<.020	<.06	<.005	<.010	<.013
Mar													
13...	<.006	<.005	<.011	.014	<.04	<.080	<.010	<.060	<.020	<.06	<.005	<.010	<.013
20...	<.006	<.005	<.011	.034	<.04	<.080	<.010	E.015	<.020	<.06	<.005	<.010	<.013
Apr													
18...	<.006	.146	<.011	.950	<.04	<.080	<.010	E.012	<.020	<.06	<.005	<.010	<.013
May													
07...	<.006	.044	<.011	.228	<.04	<.080	<.010	E.008	<.020	<.06	<.005	<.010	<.013
30...	<.006	<.005	<.011	.028	<.04	<.080	<.010	<.060	<.020	<.06	<.005	<.010	<.013
Jun													
14...	<.006	<.005	<.011	.030	<.04	<.080	<.010	<.060	<.020	<.06	<.005	<.010	<.013
Jul													
10...	<.006	<.005	<.011	.025	<.04	<.080	<.010	<.060	<.020	<.06	<.005	<.010	<.013
31...	<.006	.019	<.011	.026	<.04	<.080	<.010	<.060	<.020	<.06	<.005	<.010	<.013
Aug													
08...	<.006	<.005	<.011	.018	<.04	<.080	<.010	E.019	<.020	<.06	<.005	<.010	<.013
Sep													
05...	<.006	<.005	<.011	.015	<.04	<.080	<.010	<.060	<.020	<.06	<.005	<.010	<.013
21...	<.006	<.005	<.011	.018	<.04	<.080	<.010	E.016	<.020	<.06	<.005	<.010	<.013

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 8

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

Date	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)	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)
Oct													
12...	<.018	<.053	<.014	<.046	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.02	<.022
Nov													
17...	<.018	<.053	<.014	<.046	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.02	<.022
30...	<.018	<.053	<.014	<.046	<.003	E.005	<.005	<.08	<.009	<.006	<.01	<.02	<.022
Dec													
18...	<.018	<.053	<.014	<.046	<.003	E.005	<.005	<.08	<.009	<.006	<.01	<.02	<.022
Jan													
10...	<.018	<.053	<.014	<.046	<.003	E.004	<.005	<.08	<.009	<.006	<.01	<.02	<.022
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
21...	<.018	<.053	<.014	<.046	<.003	E.004	<.005	<.08	<.009	<.006	<.01	<.02	<.022
Mar													
13...	<.018	<.053	<.014	<.046	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.02	<.022
20...	<.018	<.053	<.014	<.046	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.02	<.022
Apr													
18...	<.018	<.053	<.014	<.046	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.02	<.022
May													
07...	<.018	<.053	<.014	<.046	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.02	<.022
30...	<.018	<.053	<.014	<.046	<.003	E.007	<.005	<.08	<.009	<.006	<.01	<.02	<.022
Jun													
14...	<.018	<.053	<.014	<.046	<.003	E.008	<.005	<.08	<.009	<.006	<.01	<.02	<.022
Jul													
10...	<.018	<.053	<.014	<.046	<.003	E.007	<.005	<.08	<.009	<.006	<.01	<.02	<.022
31...	<.018	<.053	<.014	<.046	<.003	E.006	<.005	<.08	<.009	<.006	<.01	<.02	<.022
Aug													
08...	<.018	<.053	<.014	<.046	<.003	E.008	<.005	<.08	<.009	<.006	<.01	<.02	<.022
Sep													
05...	<.018	<.053	<.014	<.046	<.003	E.008	<.005	<.08	<.009	<.006	<.01	<.02	<.022
21...	<.018	<.053	<.014	<.046	<.003	E.009	<.005	<.08	<.009	<.006	<.01	<.02	<.022

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 8

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

Date	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)	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)
Oct													
12...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.009	<.024	E.012	<.006	<.026
Nov													
17...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.009	E.006	E.015	<.006	<.026
30...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.008	E.006	E.009	<.006	<.026
Dec													
18...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.008	<.024	E.008	<.006	<.026
Jan													
10...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	E.006	E.005	<.024	E.009	<.006	<.026
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
21...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.006	<.024	E.008	<.006	<.026
Mar													
13...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.009	E.005	E.007	<.006	<.026
20...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.009	E.005	E.008	<.006	E.019
Apr													
18...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.008	<.024	E.009	<.006	<.026
May													
07...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.009	E.005	E.008	<.006	<.026
30...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	E.002	E.003	<.024	E.009	<.006	<.026
Jun													
14...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.008	E.004	E.007	<.006	<.026
Jul													
10...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.008	E.004	E.005	<.006	<.026
31...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	E.007	E.007	<.024	E.009	<.006	<.026
Aug													
08...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	E.007	E.008	E.008	E.011	<.006	<.026
Sep													
05...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029	E.008	E.003	E.004	<.006	<.026
21...	<.002	<.02	<.016	<.012	<.053	<.04	<.03	E.004	E.006	E.005	E.011	<.006	<.026

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 6 of 8

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

Date	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)	Methi- althion water, fltrd, µg/L (61598)	Methyl para- oxon, water, fltrd, µg/L (61664)	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)
Oct													
12...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	E.009	<.012	<.003	<.033	<.017
Nov													
17...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	E.009	<.012	<.003	<.033	<.017
30...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	E.009	<.012	<.003	<.033	<.017
Dec													
18...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	E.009	<.012	<.003	<.033	<.017
Jan													
10...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	E.009	<.012	<.003	<.033	<.017
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
21...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	E.007	<.012	<.003	<.033	<.017
Mar													
13...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	E.010	<.012	<.003	<.033	<.017
20...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	.068	<.012	<.003	<.033	<.017
Apr													
18...	<.026	<.011	<.039	<.016	<.008	<.009	<.02	<.008	.331	<.012	<.003	<.033	<.017
May													
07...	<.026	<.011	<.039	<.016	.010	<.009	<.02	<.008	.173	<.012	<.003	<.033	<.017
30...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	.016	<.012	<.028	<.033	<.017
Jun													
14...	<.026	<.011	<.039	<.016	.016	<.009	<.02	<.008	.013	<.012	<.003	<.033	<.017
Jul													
10...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	.027	<.012	<.003	<.033	<.017
31...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	.012	<.012	<.003	<.033	<.017
Aug													
08...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	.012	<.012	<.003	<.033	<.017
Sep													
05...	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008	E.008	<.012	<.003	<.033	<.017
21...	<.026	<.011	<.039	<.016	.011	<.009	<.02	<.008	.012	<.012	<.003	<.033	<.017

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 7 of 8

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

Date	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)	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)
Oct													
12...	<.020	<.03	<.020	<.05	<.008	.02	.009	<.004	<.011	<.02	.068	<.02	<.003
Nov													
17...	<.020	<.03	<.020	<.05	<.008	E.01	.007	<.004	<.011	<.02	.288	<.02	<.003
30...	<.020	<.03	<.020	<.05	<.008	<.01	.006	<.004	<.011	<.02	.130	<.02	<.003
Dec													
18...	<.020	<.03	<.020	<.05	<.008	.01	E.006	<.004	<.011	<.02	.033	<.02	<.003
Jan													
10...	<.020	<.03	<.020	<.05	<.008	<.03	<.006	<.004	<.011	<.02	.322	<.02	<.003
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
21...	<.020	<.03	<.020	<.05	<.008	<.01	<.006	<.004	<.011	<.02	.186	<.02	<.003
Mar													
13...	<.020	<.03	<.020	<.05	<.008	.01	<.007	<.004	<.011	<.02	.208	<.02	<.003
20...	<.020	<.03	<.020	<.05	<.008	.02	<.006	<.004	<.011	<.02	.506	<.02	<.003
Apr													
18...	<.020	<.03	<.020	<.05	<.008	.03	.007	<.004	<.011	<.02	.405	<.02	<.003
May													
07...	<.020	<.03	<.020	<.05	<.008	.01	.007	<.004	<.011	<.02	.119	<.02	<.003
30...	<.020	<.03	<.020	--	--	.02	E.005	<.004	<.011	<.02	.078	<.02	<.003
Jun													
14...	<.020	<.03	<.020	<.05	<.008	.01	E.004	<.004	<.011	<.02	.083	<.02	<.003
Jul													
10...	<.020	<.03	<.020	<.05	<.008	.01	.012	<.004	<.011	<.02	.032	<.02	<.003
31...	<.020	<.03	<.020	<.05	<.008	.02	.007	<.004	<.011	<.02	.045	<.02	<.003
Aug													
08...	<.020	<.03	<.020	--	<.008	.02	.006	<.004	<.011	<.02	.048	<.02	<.003
Sep													
05...	<.020	<.03	<.020	<.05	<.008	.01	<.006	<.004	<.011	<.02	.044	<.02	<.003
21...	<.020	<.03	<.020	<.05	<.008	.02	E.006	<.004	<.011	<.02	.052	<.02	<.003

02089500 NEUSE RIVER AT KINSTON, NC—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 8 of 8

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

Date	Ter- bufos oxon sulfone water, fltrd, µg/L (61674)	Terbu- fos, water, fltrd, 0.7µ GF µg/L (82675)	Ter- butyl- azine, water, fltrd, µg/L (04022)	Thio- bencarb water, fltrd, 0.7µ 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, 0.7µ GF µg/L (82661)	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)
Oct											
12...	<.04	<.01	E.01	<.010	<.03	<.035	<.009	<.01	94	18	63
Nov											
17...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	85	41	538
30...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	70	19	667
Dec											
18...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	87	36	249
Jan											
10...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	95	27	392
31...	--	--	--	--	--	--	--	--	89	14	164
Feb											
21...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	92	41	348
Mar											
13...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	86	49	343
20...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	91	71	778
Apr											
18...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	90	34	435
May											
07...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	95	29	112
30...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	96	9	17
Jun											
14...	<.04	<.01	E.01	<.010	<.03	<.035	<.009	<.01	85	22	42
Jul											
10...	<.04	<.01	E.01	<.010	<.03	<.035	<.009	<.01	97	9	13
31...	<.04	<.01	E.01	<.010	<.03	<.035	<.009	<.01	93	21	31
Aug											
08...	<.04	<.01	.01	<.010	<.03	<.035	<.009	<.01	94	19	22
Sep											
05...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	85	7	6.4
21...	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01	86	23	35