

NEUSE RIVER BASIN

02089500 NEUSE RIVER AT KINSTON, NC

LOCATION.--Lat 35°15'29", long 77°35'09", Lenoir County, Hydrologic Unit 03020202, on left bank at Kinston, 600 ft downstream of bridge on State Highway 11, and 90 mi upstream from mouth.

DRAINAGE AREA.--2,692 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 10.90 ft above sea level. Prior to Nov. 25, 1934, nonrecording gage at highway bridge 1 mi downstream at 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, Oct. 13, 1964; gage height: 22.86 ft, at site and datum then in use; minimum discharge: 124 ft³/s, Sept. 26, 1932, at site then in use.

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 Sept. 25-26, 1928, reached a stage of 24.2 ft, at present site and datum; discharge, 34,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6450	769	2200	1220	1090	1800	6520	2480	1110	1180	3930	1190
2	6770	762	1880	1180	1100	1700	6390	1670	1270	1100	4110	1390
3	6840	762	1680	1170	1150	1580	6440	1360	1710	980	3950	1640
4	6220	749	1560	1200	1160	1610	6680	1180	2420	905	3060	1620
5	4390	751	1490	1220	1160	1790	6990	1080	2960	941	2160	1480
6	2890	752	1450	1250	1190	2060	7290	985	3360	1010	1620	1340
7	2090	757	1440	1250	1200	2930	7520	916	3350	1090	1220	1200
8	1780	758	1450	1210	1320	3310	7690	868	2620	2050	1050	1110
9	1570	774	1410	1170	1380	3470	7750	830	1780	2510	978	1040
10	1430	796	1380	1140	1350	3230	7540	789	1300	2830	860	1070
11	1320	793	1330	1140	1270	2740	6960	756	1050	2910	791	1060
12	1230	778	1290	1160	1230	2310	6260	734	907	2100	800	1230
13	1160	777	1290	1160	1210	2050	5700	734	822	1720	1140	1290
14	1110	799	1260	1140	1210	1870	5390	724	959	1920	1690	1410
15	1070	835	1250	1140	1230	1680	5230	711	2230	2260	2830	1380
16	1040	863	1240	1150	1350	1590	5170	725	3030	2100	3290	1230
17	995	897	e1300	1160	1520	1600	5130	771	3430	1320	e4400	1100
18	974	1050	e1400	1150	1680	1770	5080	775	3630	1000	e5200	982
19	951	1090	e2000	1140	1790	1950	5030	923	3830	839	e5800	900
20	931	1140	e2200	1130	2260	1890	4980	995	4150	767	e6200	869
21	907	1190	2550	1130	2530	2790	4930	951	4560	706	6100	826
22	894	1200	2360	1160	2390	4150	4870	951	4940	666	5660	775
23	876	1330	2060	1420	2240	4710	4750	928	4900	642	4490	742
24	857	1380	1860	1700	2100	5330	3840	942	3570	634	3490	732
25	838	1340	1680	1610	2030	5890	3100	942	2440	665	2560	771
26	823	1390	1530	1460	2040	6420	2970	939	1950	652	2050	924
27	822	1570	1410	1350	1950	6850	3170	1000	1810	645	e1600	1110
28	819	1850	1340	1290	1860	7160	3370	1100	1680	762	e1460	1370
29	808	2370	1300	1210	---	7300	3550	1210	1470	1180	e1300	1280
30	792	2460	1270	1160	---	7170	3510	1230	1280	2720	1260	1040
31	784	---	1250	1120	---	6810	---	1140	---	3440	1230	---
TOTAL	60431	32732	49110	38090	43990	107510	163800	31339	74518	44244	86279	34101
MEAN	1949	1091	1584	1229	1571	3468	5460	1011	2484	1427	2783	1137
MAX	6840	2460	2550	1700	2530	7300	7750	2480	4940	3440	6200	1640
MIN	784	749	1240	1120	1090	1580	2970	711	822	634	791	732

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2001,* BY WATER YEAR (WY)

MEAN	2103	1663	2310	3679	4712	5759	4578	2266	1782	1574	1777	2660
MAX	14280	5643	5097	7560	12600	11410	9582	8773	6062	5223	4068	16430
(WY)	2000	1996	1990	1993	1998	1998	1989	1989	1995	1989	1989	1999
MIN	366	430	760	1181	1571	1673	878	563	460	468	314	357
(WY)	1984	1988	1988	1986	2001	1988	1986	1986	1986	1987	1983	1985

SUMMARY STATISTICS

	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1983 - 2001*
ANNUAL TOTAL	1002463	766144	
ANNUAL MEAN	2739	2099	2838
HIGHEST ANNUAL MEAN			4216
LOWEST ANNUAL MEAN			1204
HIGHEST DAILY MEAN	7740	Feb 20	7750
LOWEST DAILY MEAN	712	Jun 15	634
ANNUAL SEVEN-DAY MINIMUM	756	Nov 2	659
MAXIMUM PEAK FLOW			7770
MAXIMUM PEAK STAGE		14.65	Apr 9
INSTANTANEOUS LOW FLOW		625	Jul 24
10 PERCENT EXCEEDS	6430	5000	7360
50 PERCENT EXCEEDS	1850	1340	1610
90 PERCENT EXCEEDS	861	793	510

e Estimated.

* Regulated period only (1983-2001). See REMARKS.

02089500 NEUSE RIVER AT KINSTON, NC--Continued

