

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 NGVD of 1929. 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. Minimum discharge for current water year also occurred Aug. 15, 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 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	920	548	948	662	6470	1110	2880	847	605	516	991	915
2	885	554	872	652	4620	1130	3450	806	562	627	796	1130
3	870	583	813	699	3250	1620	4040	762	507	652	632	1830
4	842	611	776	881	2440	1930	4680	749	465	551	519	2320
5	776	619	742	1050	2100	2100	5400	773	438	472	459	2390
6	726	615	721	1130	1820	2480	6010	817	448	455	417	1800
7	734	614	705	e1400	1830	2460	6260	806	430	440	382	1340
8	769	610	683	e2100	2200	2160	5350	859	444	e367	349	1030
9	777	608	668	e2600	2620	1840	3720	883	420	342	323	826
10	865	595	645	e2800	3460	1610	2700	820	407	369	307	700
11	850	567	649	3000	3910	1470	2570	754	407	395	292	623
12	798	543	674	2750	4260	1360	2640	707	386	438	283	561
13	769	528	696	2500	4150	1390	2520	681	356	431	272	502
14	745	514	e1200	2450	3350	1780	2390	674	369	e600	260	467
15	719	509	e1500	2340	2810	1800	2210	713	410	e1000	262	455
16	699	510	e1200	2240	2430	1700	2050	647	448	937	277	463
17	690	506	e1100	2100	2200	1700	1870	618	389	699	330	476
18	995	507	969	1880	1970	1660	1680	632	362	603	283	556
19	1070	507	907	1660	1740	1560	1530	646	354	581	331	827
20	926	504	853	1540	1560	1510	1530	697	342	545	537	1130
21	801	507	834	1700	1470	1550	1510	638	330	495	463	1040
22	716	511	855	2550	1410	1570	1440	601	334	485	478	877
23	681	509	825	3620	1370	1540	1390	588	324	520	541	780
24	644	542	785	4180	1340	1580	1280	558	324	541	449	702
25	637	623	742	4900	1300	1620	1170	526	320	607	366	621
26	635	704	714	5480	1240	1520	1080	496	307	669	359	567
27	616	856	697	5900	1180	1460	1010	474	315	998	388	528
28	594	1080	696	6270	1140	1420	959	461	344	1210	479	505
29	582	1130	706	6620	---	1420	921	453	400	1530	741	478
30	570	1070	684	6880	---	1710	881	482	453	1450	1080	456
31	554	---	671	6970	---	2290	---	558	---	1180	973	---
TOTAL	23455	18684	25530	91504	69640	52050	77121	20726	12000	20705	14619	26895
MEAN	756.6	622.8	823.5	2952	2487	1679	2571	668.6	400.0	667.9	471.6	896.5
MAX	1070	1130	1500	6970	6470	2480	6260	883	605	1530	1080	2390
MIN	554	504	645	652	1140	1110	881	453	307	342	260	455

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2002,* BY WATER YEAR (WY)

	2032	1611	2236	3643	4602	5555	4478	2186	1713	1529	1711	2572
MEAN	2032	1611	2236	3643	4602	5555	4478	2186	1713	1529	1711	2572
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	400	468	314	357
(WY)	1984	1988	1988	1986	2001	1988	1986	1986	2002	1987	1983	1985

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1983 - 2002*
ANNUAL TOTAL	691540	452929	
ANNUAL MEAN	1895	1241	2754
HIGHEST ANNUAL MEAN			4216
LOWEST ANNUAL MEAN			1204
HIGHEST DAILY MEAN	7750	Apr 9	35800
LOWEST DAILY MEAN	504	Nov 20	200
ANNUAL SEVEN-DAY MINIMUM	507	Nov 15	214
MAXIMUM PEAK FLOW		7010	36300
MAXIMUM PEAK STAGE		14.01	27.71
INSTANTANEOUS LOW FLOW		256*	196
10 PERCENT EXCEEDS	4880	2530	7100
50 PERCENT EXCEEDS	1180	769	1450
90 PERCENT EXCEEDS	645	404	491

e Estimated.

* Regulated period only (1983-2002). See REMARKS.

02089500 NEUSE RIVER AT KINSTON, NC--Continued

