

02089500 NEUSE RIVER AT KINSTON, NC

LOCATION.--Lat 35°15'28", long 77°35'08", 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.--No estimated daily discharges. Records good. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,860	871	3,110	1,970	2,050	2,730	4,940	1,250	770	868	2,120	607
2	1,750	867	3,410	2,140	2,430	2,700	5,280	1,190	768	869	2,770	585
3	1,670	872	3,460	2,280	2,640	3,220	5,530	1,160	800	870	2,840	563
4	1,680	860	3,450	2,290	2,720	3,730	5,660	1,200	834	847	2,490	543
5	1,660	860	3,330	2,290	2,750	4,010	5,690	1,240	945	727	1,970	521
6	1,560	864	3,080	2,220	2,930	4,140	5,510	1,740	1,180	715	1,520	504
7	1,500	878	2,640	2,090	3,300	4,190	5,220	2,990	1,190	736	1,220	491
8	1,470	946	2,240	1,950	3,500	4,100	5,110	3,490	1,130	773	1,050	482
9	1,360	959	2,080	1,820	3,420	3,710	5,020	3,930	1,090	747	948	469
10	1,260	913	2,020	1,710	3,210	3,340	4,910	4,140	1,430	663	1,170	455
11	1,150	889	1,880	1,620	2,940	3,400	4,670	3,760	2,100	775	1,790	442
12	1,060	910	1,810	1,630	2,500	3,720	4,450	2,650	1,970	884	2,160	439
13	1,030	1,210	2,150	1,600	2,160	3,880	4,600	2,150	1,490	827	2,360	435
14	1,100	1,650	2,440	1,630	1,860	3,710	5,020	1,800	1,230	779	2,000	529
15	1,090	1,850	2,290	1,970	1,700	3,340	5,220	1,550	1,050	745	1,480	682
16	1,560	2,520	2,050	2,750	1,610	3,080	5,310	1,520	916	722	1,160	769
17	2,100	2,560	2,200	3,690	1,570	3,210	5,400	1,450	818	697	999	668
18	1,930	2,170	2,690	4,220	1,580	3,510	5,400	1,370	752	681	989	642
19	1,610	1,830	2,970	4,840	1,760	3,980	4,920	1,420	698	753	919	601
20	1,400	1,590	3,060	5,310	1,860	4,590	3,640	1,370	652	673	819	575
21	1,240	1,430	2,870	5,550	1,800	5,230	2,840	1,250	620	749	785	570
22	1,130	1,380	2,600	5,490	1,610	5,800	2,460	1,160	614	1,160	718	644
23	1,060	2,130	2,500	5,230	1,480	6,320	2,150	1,260	603	2,030	653	679
24	1,020	2,640	2,460	4,920	1,550	6,630	1,910	1,380	581	2,800	649	706
25	990	2,720	2,290	4,650	1,760	6,620	1,750	1,270	551	2,830	740	740
26	960	2,480	1,950	4,320	1,870	6,310	1,620	1,120	542	2,460	824	668
27	931	2,440	1,910	3,920	2,330	5,890	1,520	1,010	596	2,030	816	599
28	924	2,360	1,880	3,440	2,750	5,670	1,450	925	742	1,610	785	553
29	912	2,380	1,850	2,900	---	5,540	1,350	870	743	1,370	724	539
30	894	2,570	1,870	2,310	---	5,220	1,290	832	879	1,630	668	527
31	883	---	1,900	2,050	---	4,900	---	801	---	1,750	630	---
TOTAL	40,744	48,599	76,440	94,800	63,640	136,420	119,840	53,248	28,284	35,770	40,766	17,227
MEAN	1,314	1,620	2,466	3,058	2,273	4,401	3,995	1,718	943	1,154	1,315	574
MAX	2,100	2,720	3,460	5,550	3,500	6,630	5,690	4,140	2,100	2,830	2,840	769
MIN	883	860	1,810	1,600	1,480	2,700	1,290	801	542	663	630	435

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2005,* BY WATER YEAR (WY)

MEAN	1,949	1,731	2,411	3,518	4,455	5,510	4,527	2,294	1,848	1,635	1,951	2,536
MAX	14,280	5,643	5,097	7,560	12,600	11,410	9,582	8,773	6,062	5,223	5,565	16,430
(WY)	(2000)	(1996)	(1990)	(1993)	(1998)	(1998)	(1989)	(1989)	(1995)	(1989)	(2003)	(1999)
MIN	366	430	760	1,181	1,571	1,673	878	563	400	468	314	357
(WY)	(1984)	(1988)	(1988)	(1986)	(2001)	(1988)	(1986)	(1986)	(2002)	(1987)	(1983)	(1985)

NEUSE RIVER BASIN

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1983 - 2005*	
ANNUAL TOTAL	927,801		755,778		2,807	
ANNUAL MEAN	2,535		2,071		4,583	
HIGHEST ANNUAL MEAN					1,204	2003
LOWEST ANNUAL MEAN					1,204	1988
HIGHEST DAILY MEAN	7,720	Aug 24	6,630	Mar 24	35,800	Sep 23, 1999
LOWEST DAILY MEAN	690	Jul 21	435	Sep 13	200	Sep 20, 1985
ANNUAL SEVEN-DAY MINIMUM	740	Jul 19	459	Sep 7	214	Sep 16, 1985
MAXIMUM PEAK FLOW			6,680	Mar 24	36,300	Sep 22, 1999
MAXIMUM PEAK STAGE			13.67	Mar 24	27.71	Sep 22, 1999
INSTANTANEOUS LOW FLOW			429	Sep 14	196	Sep 20, 1985
10 PERCENT EXCEEDS	4,960		4,590		6,980	
50 PERCENT EXCEEDS	2,120		1,650		1,610	
90 PERCENT EXCEEDS	942		668		512	

* Regulated period only (1983-2005). See REMARKS.

