

02089500 NEUSE RIVER AT KINSTON, NC

LOCATION.--Lat 35°15'30", 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.--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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	1,660	1,710	5,810	1,380	6,290	7,200	7,990	7,990	1,450	2,410	1,420
2	438	2,140	1,450	5,700	1,940	6,570	6,610	7,910	8,010	1,700	2,630	1,320
3	418	2,520	1,320	5,570	2,450	6,730	6,450	7,790	7,960	3,290	2,700	1,360
4	399	2,700	1,260	5,500	2,640	6,860	6,500	7,640	7,790	4,750	2,890	1,780
5	379	2,760	1,310	5,490	2,560	7,090	6,580	7,450	7,690	4,890	3,420	1,890
6	364	2,850	1,520	5,550	2,410	7,500	6,560	e7,300	7,630	5,220	3,840	1,880
7	348	2,890	2,020	5,610	2,610	7,940	6,470	e7,200	7,570	5,720	4,000	1,680
8	340	2,900	2,950	5,590	2,960	8,350	6,430	6,940	7,500	6,220	3,970	1,660
9	325	3,030	3,480	5,370	3,330	8,620	6,730	6,460	7,290	6,470	3,990	1,540
10	315	3,160	3,880	4,830	3,810	8,810	7,350	5,360	6,840	6,420	4,010	1,400
11	361	3,000	3,910	3,550	4,280	9,020	8,260	4,330	6,180	6,030	4,210	1,350
12	368	2,680	3,450	2,570	4,770	9,280	9,270	3,460	5,630	5,600	4,660	1,410
13	468	2,700	3,080	2,170	5,170	9,440	9,880	2,720	5,400	5,440	5,370	1,340
14	1,480	3,130	3,350	1,920	5,460	9,350	10,300	2,360	5,400	5,810	6,300	1,220
15	2,660	3,580	3,820	1,770	5,670	8,830	10,700	2,060	5,340	6,190	7,330	1,140
16	3,000	3,990	4,210	1,680	5,810	8,070	11,200	1,900	5,200	6,280	8,460	1,080
17	3,330	4,470	4,560	1,640	6,030	7,270	11,800	1,770	4,700	5,910	9,510	1,030
18	3,550	4,940	4,900	1,590	5,930	6,710	12,000	1,610	e3,670	5,370	11,000	1,130
19	3,070	5,300	5,210	1,560	5,520	6,460	11,600	1,760	3,450	4,950	11,500	1,450
20	2,120	5,510	5,510	1,560	5,000	6,590	10,700	1,870	3,540	4,810	10,700	1,880
21	1,570	5,540	5,720	1,540	4,690	7,370	9,630	1,850	3,680	4,850	9,690	2,030
22	1,200	5,470	5,790	1,510	4,680	7,980	8,620	2,110	3,830	4,760	8,630	2,400
23	1,030	5,350	5,740	1,480	4,910	8,430	7,810	3,170	4,030	4,520	7,720	2,480
24	1,420	5,200	5,680	1,460	5,060	8,850	7,340	4,190	4,220	4,290	7,020	2,270
25	2,000	4,990	5,660	1,430	5,160	9,380	7,240	4,610	4,200	3,900	6,560	2,000
26	2,320	4,620	5,610	1,370	5,260	9,910	7,470	5,330	3,520	3,390	6,070	2,170
27	2,270	4,020	5,620	1,330	5,510	10,400	7,750	6,040	2,750	2,950	4,830	2,460
28	1,650	3,300	5,690	1,320	5,940	10,500	7,810	6,980	2,140	2,560	3,360	2,920
29	1,260	2,440	5,770	1,320	---	10,300	7,910	7,670	1,840	2,240	2,310	3,090
30	1,090	2,080	5,810	1,310	---	9,450	8,010	7,910	1,600	2,080	1,860	2,970
31	1,100	---	5,830	1,310	---	8,300	---	7,890	---	2,190	1,580	---
TOTAL	41,093	108,920	125,820	90,410	120,940	256,650	252,180	153,630	156,590	140,250	172,530	53,750
MEAN	1,326	3,631	4,059	2,916	4,319	8,279	8,406	4,956	5,220	4,524	5,565	1,792
MAX	3,550	5,540	5,830	5,810	6,030	10,500	12,000	7,990	8,010	6,470	11,500	3,090
MIN	315	1,660	1,260	1,310	1,380	6,290	6,430	1,610	1,600	1,450	1,580	1,030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2003,* BY WATER YEAR (WY)

MEAN	1,997	1,707	2,323	3,608	4,589	5,685	4,665	2,318	1,880	1,671	1,895	2,535
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)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1983 - 2003*	
ANNUAL TOTAL	661,093		1,672,763			
ANNUAL MEAN	1,811		4,583		2,846	
HIGHEST ANNUAL MEAN					4,583	2003
LOWEST ANNUAL MEAN					1,204	1988
HIGHEST DAILY MEAN	6,970	Jan 31	12,000	Apr 18	35,800	Sep 23, 1999
LOWEST DAILY MEAN	260	Aug 14	315	Oct 10	200	Sep 20, 1985
ANNUAL SEVEN-DAY MINIMUM	279	Aug 10	346	Oct 6	214	Sep 16, 1985
MAXIMUM PEAK FLOW			12,000	Apr 17	36,300	Sep 22, 1999
MAXIMUM PEAK STAGE			17.77	Apr 18	27.71	Sep 22, 1999
INSTANTANEOUS LOW FLOW			301	Oct 11	196	Sep 20, 1985
10 PERCENT EXCEEDS	4,620		8,150		7,300	
50 PERCENT EXCEEDS	1,280		4,470		1,550	
90 PERCENT EXCEEDS	369		1,380		497	

e Estimated.

* Regulated period only (1983-2003). See REMARKS.

