

## NEUSE RIVER BASIN

02089000 NEUSE RIVER NEAR GOLDSBORO, NC

LOCATION.--Lat 35°20'14", long 77°59'51", Wayne County, Hydrologic Unit 03020202, on left bank at downstream side of bridge on Secondary Road 1915, 0.2 mi upstream from Stony Creek, 1.5 mi downstream of Seaboard Coast Line Railroad bridge, 3.2 mi south of Wayne County courthouse in Goldsboro, 4.3 mi downstream of Little River, and 135 mi upstream from mouth.

DRAINAGE AREA.--2,399 mi<sup>2</sup>.

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

REVISED RECORDS.--WSP 1333: 1931, 1935. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 42.95 ft above NGVD of 1929. Prior to July 24, 1931, nonrecording gage at railroad bridge 1.5 mi upstream at 44.95 ft. July 24, 1931, to Aug. 31, 1948, water-stage recorder at site 2.3 mi upstream at 44.66 ft. National Weather Service telephone telemetry at station. Satellite telemetry at station.

REMARKS.--No estimated discharges. Records good. Flow regulated by Falls Lake (station 02087182). Prior to regulation, maximum discharge: 30,700 ft<sup>3</sup>/s, Sept. 27, 1945; gage height: 26.72 ft at site and datum then in use; minimum discharge: 76 ft<sup>3</sup>/s, Sept. 26, 1968. Minimum discharge during regulation also occurred Oct. 3, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of June 1866 and July 1919, reached stages of about 29 and 28 ft, respectively, at site 2.3 mi upstream at present datum, from flood profiles of U.S. Army Corps of Engineers. Flood of Oct. 5, 1929, reached a stage of 27.3 ft at railroad bridge at present datum; discharge, 38,600 ft<sup>3</sup>/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	770	454	659	440	2440	848	2570	656	461	706	645	1310
2	755	513	612	455	2040	872	4420	625	433	617	505	2170
3	719	526	579	697	1820	1180	5390	595	397	471	430	2640
4	621	528	535	779	1610	1710	6000	610	406	370	404	2250
5	556	517	523	752	1400	2240	5980	650	411	351	361	1580
6	570	512	502	951	1290	2010	4170	682	359	337	342	1150
7	618	508	485	1340	1560	1660	2490	783	405	316	315	884
8	687	499	461	2480	2420	1420	1870	742	357	341	304	698
9	792	470	441	3050	3930	1260	1600	684	373	345	289	586
10	706	438	437	2770	4220	1170	1750	634	369	353	277	507
11	673	426	476	2250	3880	1080	1910	596	336	406	280	458
12	646	400	510	1870	3110	1020	1890	578	325	398	268	421
13	630	385	1330	1940	2390	1080	1800	537	358	752	265	403
14	599	388	1320	1790	2010	1160	1620	594	341	787	262	389
15	580	396	979	1820	1920	1250	1510	516	337	561	324	384
16	648	396	812	1680	1750	1300	1420	533	327	435	285	454
17	1160	398	714	1480	1550	1270	1300	525	328	446	272	565
18	941	385	667	1290	1340	1170	1210	534	320	432	464	1170
19	763	381	622	1170	1200	1140	1130	561	312	385	517	1250
20	632	399	650	1390	1110	1180	1110	503	307	346	409	968
21	575	392	660	2800	1080	1180	1150	504	304	359	564	807
22	546	382	608	4080	1060	1180	1130	488	306	381	507	724
23	519	369	563	4840	1050	1310	1040	461	313	406	395	627
24	540	518	519	5500	1020	1320	947	425	307	411	331	542
25	527	576	504	5900	967	1180	869	410	300	537	324	482
26	497	863	490	6410	925	1060	811	396	306	974	376	455
27	475	1020	510	6840	898	1080	767	396	342	1200	383	435
28	455	980	500	7100	871	1130	744	394	393	1570	1130	418
29	444	843	478	6980	---	1570	722	449	481	1250	1120	416
30	428	724	464	5000	---	1480	707	509	567	1010	841	411
31	438	---	459	3180	---	1350	---	523	---	835	789	---
TOTAL	19510	15586	19069	89024	50861	39860	60027	17093	10881	18088	13978	25554
MEAN	629.4	519.5	615.1	2872	1816	1286	2001	551.4	362.7	583.5	450.9	851.8
MAX	1160	1020	1330	7100	4220	2240	6000	783	567	1570	1130	2640
MIN	428	369	437	440	871	848	707	394	300	316	262	384

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

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	1915	1419	1933	3409	4184	5027	3840	1913	1441	1356	1435	2268								
MAX	11750	5287	4546	6644	12080	11400	7850	7276	5530	4668	3601	14650								
(WY)	2000	1996	1997	1993	1998	1998	1989	1995	1989	1989	1989	1999								
MIN	310	326	615	884	1374	1286	631	433	342	394	264	246								
(WY)	1984	1988	2002	1986	2001	2002	1986	1986	1986	1987	1983	1985								

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1983 - 2002*
ANNUAL TOTAL	602432	379531	
ANNUAL MEAN	1650	1040	2589
HIGHEST ANNUAL MEAN			3869
LOWEST ANNUAL MEAN			1040
HIGHEST DAILY MEAN	7800	Apr 6	38200
LOWEST DAILY MEAN	369	Nov 23	162
ANNUAL SEVEN-DAY MINIMUM	387	Nov 17	278
MAXIMUM PEAK FLOW			7140
MAXIMUM PEAK STAGE			15.69
INSTANTANEOUS LOW FLOW			257
10 PERCENT EXCEEDS	4630	1970	6830
50 PERCENT EXCEEDS	966	622	1320
90 PERCENT EXCEEDS	501	352	401

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

02089000 NEUSE RIVER NEAR GOLDSBORO, NC--Continued

