

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 mi².

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 sea level. 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 ft³/s, Sept. 27, 1945; gage height: 26.72 ft at site and datum then in use; minimum discharge: 76 ft³/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 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	6710	585	1530	958	955	1440	6280	1220	945	890	3900	1030
2	4490	576	1330	943	1020	1320	6860	1020	1490	726	2880	1370
3	2840	574	1190	1010	976	1220	7300	906	2710	691	2290	1250
4	2080	573	1150	1020	912	1380	7530	824	3560	646	1670	1150
5	1660	581	1130	1070	942	1970	7680	752	3590	769	1220	1040
6	1420	587	1150	1040	1010	3330	7800	704	2950	1090	916	948
7	1270	584	1150	993	1220	3540	7740	671	1970	2350	856	883
8	1140	615	1080	938	1210	3210	7070	643	1340	2660	773	814
9	1040	624	1060	923	1160	2650	5900	610	960	3020	658	844
10	955	621	1000	944	1080	2180	5110	593	809	2730	622	844
11	899	599	966	966	1020	1910	4840	583	699	1500	611	1090
12	852	616	973	946	983	1710	4810	585	672	1500	875	1150
13	824	611	934	937	1000	1580	4870	586	667	1930	1510	1320
14	806	640	935	949	1060	1320	4910	591	866	2340	3070	1200
15	773	664	953	968	1240	1290	4910	576	1070	1660	4050	1030
16	745	781	965	981	1320	1340	4870	631	2160	973	4740	908
17	724	935	1010	963	1420	1670	4830	645	2960	735	4980	781
18	707	861	1420	956	1590	1800	4800	913	4050	624	5180	739
19	696	848	2430	921	2390	1640	4740	872	4750	590	5480	727
20	685	920	2480	927	2400	1490	4670	819	5220	546	3680	668
21	684	1000	1980	984	1970	3850	4600	831	4530	522	3180	619
22	657	1210	1720	1440	1720	5180	3810	825	2770	500	2590	599
23	653	1180	1560	1600	1650	5990	2170	854	1630	498	2150	591
24	627	1070	1390	1370	1710	6760	2300	852	1280	522	1800	608
25	627	1040	1250	1220	1740	7260	2870	840	1290	512	1450	828
26	621	1300	1140	1140	1630	7430	3170	904	1390	481	1190	1130
27	628	1940	1060	1080	1600	7170	3450	939	1310	720	1070	1360
28	610	2510	1020	993	1540	6300	3600	932	1110	1210	983	1070
29	602	2250	1010	952	---	5550	2850	938	1010	2870	996	830
30	592	1830	1020	923	---	5660	1640	938	952	4160	973	768
31	579	---	978	911	---	5830	---	946	---	4180	953	---
TOTAL	38196	28725	38964	31966	38468	104970	147980	24543	60710	44145	67296	28189
MEAN	1232	958	1257	1031	1374	3386	4933	792	2024	1424	2171	940
MAX	6710	2510	2480	1600	2400	7430	7800	1220	5220	4180	5480	1370
MIN	579	573	934	911	912	1220	1640	576	667	481	611	591

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

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
MEAN	1991	1466	2002	3437	4308	5224	3937	1989	1498	1397	1487	2343
MAX	11750	5287	4546	6644	12080	11400	7850	7276	5530	4668	3601	14650
(WY)	2000	1996	1997	1993	1998	1998	1989	1989	1995	1989	1989	1999
MIN	310	326	622	884	1374	1575	631	433	342	394	264	246
(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	871605	654152	
ANNUAL MEAN	2381	1792	2686
HIGHEST ANNUAL MEAN			3869
LOWEST ANNUAL MEAN			1042
HIGHEST DAILY MEAN	7630	Feb 18	38200
LOWEST DAILY MEAN	568	Jun 14	162
ANNUAL SEVEN-DAY MINIMUM	579	Oct 31	172
MAXIMUM PEAK FLOW		7830	Apr 6
MAXIMUM PEAK STAGE		16.55	Apr 6
INSTANTANEOUS LOW FLOW		460	Jul 23
10 PERCENT EXCEEDS	6040	4700	6790
50 PERCENT EXCEEDS	1410	1070	1320
90 PERCENT EXCEEDS	685	621	408

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

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