

NEUSE RIVER BASIN

02085000 ENO RIVER AT HILLSBOROUGH, NC

LOCATION.--Lat 36°04'18", long 79°05'49", Orange County, Hydrologic Unit 03020201, on left bank 900 ft downstream of bridge on State Highway 86 at Hillsborough, and 2 mi downstream of Sevenmile Creek.

DRAINAGE AREA.--66.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to September 1971, October 1985 to current year.

REVISED RECORD.--WDR NC-96-1: 1945(M).

GAGE.--Water-stage recorder. Datum of gage is 487.44 ft above sea level. Telephone and satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Diversions upstream from station of 1.3 ft³/s by Orange-Alamance Water System, Inc. and 1.9 ft³/s by town of Hillsborough for municipal supply, part of which is returned downstream of station as treated effluent. Maximum gage height for period of record, 21.13 ft, from high-water mark in gage shelter.

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	13	6.3	e7.0	11	19	25	917	16	185	2.9	16	7.8
2	10	5.4	e6.9	9.9	17	23	604	16	159	2.6	9.7	11
3	8.8	5.1	e6.8	14	13	23	183	15	45	2.7	7.6	7.5
4	8.0	e5.2	e6.7	27	11	97	124	14	24	4.6	5.9	5.6
5	7.5	e5.3	e6.5	12	14	110	92	13	17	9.7	6.7	6.1
6	6.7	e5.4	e6.2	12	13	79	77	13	17	7.0	4.1	4.5
7	5.8	e5.4	e6.1	10	14	51	66	12	24	3.3	4.5	4.0
8	5.5	e5.5	e6.0	11	14	38	58	9.1	18	14	3.1	3.8
9	4.7	e5.5	e5.9	12	14	34	52	9.8	13	32	2.9	3.5
10	4.6	e5.6	e5.8	10	15	30	47	11	11	23	2.3	3.1
11	4.7	e5.7	e5.7	9.9	17	27	42	11	9.3	7.4	11	2.9
12	4.9	e5.7	e5.5	9.5	16	25	38	10	7.7	4.4	68	2.7
13	6.3	e6.0	e5.4	11	24	27	37	10	11	3.4	15	2.8
14	6.4	e10	e5.3	10	29	24	36	8.1	42	3.5	9.4	2.6
15	6.3	e16	e5.2	9.0	26	31	32	8.6	27	3.0	7.9	3.2
16	5.4	e12	e7.0	8.5	27	57	31	55	16	2.3	5.9	3.1
17	5.7	e8.0	407	6.9	623	40	28	33	11	1.5	5.1	2.7
18	5.7	e6.0	61	9.4	167	32	31	22	7.8	4.2	5.5	2.4
19	5.4	e6.2	31	14	78	25	27	17	5.6	11	12	2.5
20	5.4	e6.4	25	125	52	39	26	14	5.0	5.3	8.0	3.9
21	5.6	e6.5	20	75	39	731	25	12	4.2	4.2	5.8	28
22	5.8	e7.5	17	39	34	210	24	13	5.8	3.6	4.5	10
23	4.7	e12	15	32	35	105	23	15	11	2.3	3.2	7.5
24	4.7	e20	14	27	40	72	21	11	9.5	7.7	2.6	24
25	9.7	e30	13	23	35	55	43	9.9	6.6	6.7	4.8	11
26	8.9	e38	12	19	37	45	38	22	6.0	18	4.9	7.3
27	10	e19	11	19	31	38	25	21	7.0	195	3.3	5.9
28	10	e10	12	17	27	32	22	16	4.7	36	4.9	5.6
29	10	e8.4	11	15	---	266	19	16	3.6	30	4.9	4.8
30	13	e7.0	13	21	---	1190	18	13	3.5	48	5.0	4.4
31	8.2	---	12	22	---	300	---	9.4	---	26	5.3	---
TOTAL	221.4	295.1	772.0	651.1	1481	3881	2806	475.9	717.3	525.3	259.8	194.2
MEAN	7.14	9.84	24.9	21.0	52.9	125	93.5	15.4	23.9	16.9	8.38	6.47
MAX	13	38	407	125	623	1190	917	55	185	195	68	28
MIN	4.6	5.1	5.2	6.9	11	23	18	8.1	3.5	1.5	2.3	2.4
CFSM	.11	.15	.38	.32	.80	1.90	1.42	.23	.36	.26	.13	.10
IN.	.12	.17	.44	.37	.83	2.19	1.58	.27	.40	.30	.15	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001,® BY WATER YEAR (WY)

	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	28.7	43.7	54.8	91.5	112	120	94.3	50.5	38.0	37.4	32.1	37.4																																																														
MAX	181	213	166	326	311	354	264	165	210	359	256	342																																																														
(WY)	1930	1986	1946	1936	1998	1998	1936	1931	1995	1938	1939	1945																																																														
MIN	.63	.82	3.64	5.16	21.7	29.9	14.8	9.67	1.75	1.28	.85	.28																																																														
(WY)	1987	1942	1942	1942	1931	1988	1995	1986	1986	1986	1987	1954																																																														

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1928 - 2001®

ANNUAL TOTAL	21463.6	12280.1				
ANNUAL MEAN	58.6	33.6				
HIGHEST ANNUAL MEAN		61.4				
LOWEST ANNUAL MEAN		108				
HIGHEST DAILY MEAN	1430	Mar 17	1190	Mar 30	4600	Sep 6 1996
LOWEST DAILY MEAN	3.8	Aug 22	1.5	Jul 17	.02	Jul 10 1986
ANNUAL SEVEN-DAY MINIMUM	4.8	Aug 20	2.8	Sep 13	.10	Oct 6 1954
MAXIMUM PEAK FLOW			2200	Mar 30	10800	Sep 6 1996
MAXIMUM PEAK STAGE			12.95	Mar 30	21.13*	Sep 6 1996
INSTANTANEOUS LOW FLOW			1.1	Jul 17	.01	Jul 10 1986
ANNUAL RUNOFF (CFSM)	.89	.51	.93			
ANNUAL RUNOFF (INCHES)	12.10	6.92	12.64			
10 PERCENT EXCEEDS	139	47	116			
50 PERCENT EXCEEDS	22	11	26			
90 PERCENT EXCEEDS	5.6	4.2	4.2			

e Estimated.
® See PERIOD OF RECORD.
* See REMARKS.

02085000 ENO RIVER AT HILLSBOROUGH, NC--Continued

