

02085000 ENO RIVER AT HILLSBOROUGH, NC

LOCATION.--Lat 36°04'19", long 79°05'48", 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 NGVD of 1929. Telephone and satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Diversions upstream from station of 1.4 ft³/s by Orange-Alamance Water System, Inc. and 1.7 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. No flow for part of Sept. 13, 2002. Minimum discharge for current water year also occurred Oct. 4.

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	0.84	48	13	82	137	505	164	54	73	52	31	155
2	0.65	29	12	148	85	723	111	46	54	539	37	59
3	0.79	20	11	109	64	399	91	40	50	323	31	35
4	0.84	16	12	98	60	175	81	36	87	120	50	139
5	1.6	16	575	76	65	136	80	35	174	76	60	306
6	2.3	170	298	63	52	397	87	47	73	54	109	92
7	1.8	90	233	54	376	318	1,090	46	315	49	44	54
8	1.4	46	134	49	336	146	666	37	663	44	38	44
9	0.99	29	106	46	131	108	1,700	32	445	36	77	36
10	9.3	22	90	41	99	90	2,070	30	171	35	970	31
11	1,560	23	220	35	91	76	1,100	28	103	36	193	25
12	189	245	245	33	72	69	354	25	85	32	99	23
13	53	382	567	31	55	66	205	19	197	33	70	24
14	46	138	720	31	49	84	149	17	96	579	169	24
15	24	68	207	30	56	73	121	58	77	99	93	24
16	224	53	112	28	65	579	105	179	266	57	66	24
17	85	532	82	30	74	482	89	56	601	58	72	19
18	31	422	66	28	76	196	81	70	208	42	51	69
19	18	145	56	27	170	119	86	190	137	33	40	246
20	12	81	81	26	132	2,590	79	99	114	28	34	94
21	9.1	57	91	26	95	995	73	88	84	24	31	51
22	9.5	42	68	27	427	437	71	894	62	60	31	35
23	9.5	30	54	29	653	194	60	755	53	337	35	535
24	7.9	26	143	26	234	131	51	365	43	139	39	229
25	7.7	23	757	23	124	102	51	373	37	70	28	96
26	11	20	307	24	94	90	67	1,100	33	42	23	65
27	7.3	19	124	25	343	83	91	265	31	32	20	47
28	123	17	88	22	785	72	59	150	29	25	19	38
29	246	15	73	25	---	69	50	115	30	22	16	31
30	192	14	61	140	---	455	45	99	35	37	14	26
31	94	---	53	382	---	418	---	81	---	32	142	---
TOTAL	2,979.51	2,838	5,659	1,814	5,000	10,377	9,127	5,429	4,426	3,145	2,732	2,676
MEAN	96.1	94.6	183	58.5	179	335	304	175	148	101	88.1	89.2
MAX	1,560	532	757	382	785	2,590	2,070	1,100	663	579	970	535
MIN	0.65	14	11	22	49	66	45	17	29	22	14	19
CFSM	1.46	1.43	2.77	0.89	2.71	5.07	4.61	2.65	2.24	1.54	1.34	1.35
IN.	1.68	1.60	3.19	1.02	2.82	5.85	5.14	3.06	2.49	1.77	1.54	1.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003,® BY WATER YEAR (WY)

MEAN	29.4	43.8	56.1	90.0	112	122	96.4	51.7	39.2	37.8	32.6	37.8
MAX	181	213	183	326	311	354	304	175	210	359	256	342
(WY)	(1930)	(1986)	(2003)	(1936)	(1998)	(1998)	(2003)	(2003)	(1995)	(1938)	(1939)	(1945)
MIN	0.63	0.82	3.64	5.16	17.2	22.4	12.4	4.17	1.75	1.28	0.85	0.28
(WY)	(1987)	(1942)	(1942)	(1942)	(2002)	(2002)	(2002)	(2002)	(1986)	(1986)	(1987)	(1954)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003 [@]	
ANNUAL TOTAL	14,662.80		56,202.51		62.1	
ANNUAL MEAN	40.2		154		154	
HIGHEST ANNUAL MEAN					154	2003
LOWEST ANNUAL MEAN					9.67	2002
HIGHEST DAILY MEAN	1,560	Oct 11	2,590	Mar 20	4,600	Sep 6, 1996
LOWEST DAILY MEAN	0.03	Sep 13	0.65	Oct 2	0.02	Jul 10, 1986
ANNUAL SEVEN-DAY MINIMUM	0.26	Sep 8	1.3	Oct 1	0.10	Oct 6, 1954
MAXIMUM PEAK FLOW			4,580	Mar 20	10,800	Sep 6, 1996
MAXIMUM PEAK STAGE			16.61	Mar 20	21.13*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.49*	Oct 2	0.00*	Sep 13, 2002
ANNUAL RUNOFF (CFSM)	0.61		2.33		0.94	
ANNUAL RUNOFF (INCHES)	8.26		31.68		12.78	
10 PERCENT EXCEEDS	89		388		118	
50 PERCENT EXCEEDS	8.0		68		26	
90 PERCENT EXCEEDS	1.2		20		4.0	

[@] See PERIOD OF RECORD.

* See REMARKS.

