

02085000 ENO RIVER AT HILLSBOROUGH, NC

LOCATION.--Lat 36°04'16", long 79°05'44", 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 mi<sup>2</sup>.

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.--Records fair except those for estimated daily discharges, which are poor. Diversions upstream from station of 0.80 ft<sup>3</sup>/s by Orange-Alamance Water System, Inc. and 1.8 ft<sup>3</sup>/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.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	14	49	22	77	202	97	69	8.1	7.3	7.4	3.1
2	36	13	44	20	56	109	114	52	15	6.0	5.7	2.4
3	62	14	38	20	78	76	117	36	35	5.2	2.4	1.9
4	34	40	29	20	142	58	84	25	22	5.6	1.2	0.92
5	31	56	25	21	93	51	69	22	15	9.0	5.2	0.84
6	25	34	23	22	67	48	60	28	14	8.3	4.7	0.47
7	19	24	27	21	53	42	55	27	20	7.3	5.0	0.35
8	16	20	26	20	47	147	107	23	36	10	5.5	0.36
9	14	17	24	20	43	120	210	19	24	8.6	20	0.31
10	14	13	830	17	48	79	100	16	118	5.0	12	e0.28
11	12	13	398	17	42	64	75	15	53	3.1	5.5	e0.30
12	12	85	162	16	36	76	63	15	19	1.8	2.8	e0.36
13	37	356	92	21	34	56	71	51	9.7	1.4	3.2	e0.75
14	61	130	61	1,160	39	54	67	21	5.6	3.4	16	e1.0
15	34	69	45	391	57	46	54	16	6.5	8.9	14	e1.7
16	23	44	37	154	49	68	44	17	12	7.7	6.4	e1.8
17	17	33	34	101	41	305	37	13	8.9	5.3	8.7	e1.8
18	14	28	32	72	33	216	35	11	4.9	4.5	5.9	e1.8
19	13	24	31	56	28	123	36	37	5.0	3.9	3.3	e2.0
20	27	21	29	51	28	91	34	87	5.2	3.5	3.7	2.2
21	29	21	23	58	30	72	31	88	4.0	2.8	4.7	3.9
22	24	16	24	53	32	59	30	37	3.4	2.4	2.6	e2.6
23	21	41	35	51	29	95	31	22	3.6	e2.3	3.4	e2.1
24	18	118	57	37	58	139	30	16	3.2	e2.2	8.4	e2.0
25	19	109	40	37	85	96	25	15	2.7	e1.8	3.9	e1.9
26	17	71	33	41	55	77	23	13	2.2	e1.6	2.7	e1.7
27	15	45	27	39	43	66	24	11	13	2.4	4.2	e1.7
28	14	164	23	31	242	412	22	9.9	12	1.4	4.5	e2.1
29	14	102	22	28	---	341	23	9.4	7.2	9.3	3.6	e1.9
30	14	65	23	78	---	162	29	8.7	9.7	9.2	4.0	e1.7
31	15	---	22	115	---	116	---	8.4	---	7.1	4.3	---
TOTAL	728	1,800	2,365	2,810	1,665	3,666	1,797	838.4	497.9	158.3	184.9	46.24
MEAN	23.5	60.0	76.3	90.6	59.5	118	59.9	27.0	16.6	5.11	5.96	1.54
MAX	62	356	830	1,160	242	412	210	88	118	10	20	3.9
MIN	12	13	22	16	28	42	22	8.4	2.2	1.4	1.2	0.28
CFSM	0.36	0.91	1.16	1.37	0.90	1.79	0.91	0.41	0.25	0.08	0.09	0.02
IN.	0.41	1.01	1.33	1.58	0.94	2.07	1.01	0.47	0.28	0.09	0.10	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, @ BY WATER YEAR (WY)

MEAN	29.2	43.8	56.9	89.1	111	120	95.1	50.9	38.4	37.0	32.7	38.1
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005 <sup>@</sup>	
ANNUAL TOTAL	17,608.9		16,556.74		61.6	
ANNUAL MEAN	48.1		45.4		154	
HIGHEST ANNUAL MEAN					9.67	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	830	Dec 10	1,160	Jan 14	4,600	Sep 6, 1996
LOWEST DAILY MEAN	2.2	Jul 15	0.28	Sep 10	0.02	Jul 10, 1986
ANNUAL SEVEN-DAY MINIMUM	2.8	Jul 9	0.35	Sep 6	0.10	Oct 6, 1954
MAXIMUM PEAK FLOW			2,540	Jan 14	10,800	Sep 6, 1996
MAXIMUM PEAK STAGE			13.85	Jan 14	21.13*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.00*	Sep 13, 2002
ANNUAL RUNOFF (CFSM)	0.729		0.687		0.933	
ANNUAL RUNOFF (INCHES)	9.93		9.33		12.67	
10 PERCENT EXCEEDS	92		95		117	
50 PERCENT EXCEEDS	29		23		26	
90 PERCENT EXCEEDS	6.5		2.4		4.0	

<sup>@</sup> See PERIOD OF RECORD.

\* See REMARKS.

e Estimated.

