

02084909 SEVENMILE CREEK NEAR EFLAND, NC

LOCATION.--Lat 36°03'57", long 79°08'38", Orange County, Hydrologic Unit 03020201, at upstream side of culvert on I-85, 1 mi upstream from mouth, and 1.5 mi southeast of Efland.

DRAINAGE AREA.--14.1 mi².

PERIOD OF RECORD.--July 1981 to July 1982, June 1987 to current year.

REVISED RECORDS.--WRD NC-96-1: 1988-95(M).

GAGE.--Water-stage recorder. Elevation of gage is 560 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Maximum discharge for period of record from rating curve extended above 1,000 ft³/s, on the basis of computation of peak flow through culvert; maximum gage height 15.47 ft, from floodmark. No flow occurs periodically most years.

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	2.3	4.3	e4.6	21	25	94	33	16	23	7.8	4.8	6.2
2	2.3	2.3	e4.4	32	14	142	23	14	16	121	5.9	3.9
3	2.2	1.6	e4.2	21	9.6	56	16	12	14	49	5.6	3.1
4	1.9	2.9	e4.0	17	9.2	26	12	12	29	19	16	9.8
5	2.1	4.3	129	10	8.9	22	11	14	38	11	9.5	28
6	2.3	44	31	8.0	6.8	107	8.7	20	16	7.9	34	5.0
7	2.4	12	21	6.7	112	52	268	18	109	7.5	9.4	3.5
8	2.5	4.4	11	6.4	69	23	117	16	138	6.9	7.5	3.4
9	2.5	4.0	10	5.9	28	16	365	14	86	5.9	16	3.5
10	4.7	13	10	4.3	24	11	602	13	39	6.1	157	3.2
11	475	24	57	2.8	22	7.4	207	12	24	7.0	24	2.9
12	54	70	34	2.6	14	6.6	97	11	28	7.2	11	2.7
13	14	42	163	2.6	12	6.7	63	11	78	6.1	8.0	2.8
14	13	12	106	2.5	10	11	40	10	27	51	23	2.9
15	4.6	4.7	28	2.1	12	6.5	32	30	20	10	12	2.9
16	72	7.7	14	1.8	14	163	27	53	42	6.5	7.9	3.0
17	16	115	9.8	1.9	15	65	23	9.9	34	5.2	5.9	2.7
18	4.4	50	7.2	1.8	27	23	20	18	22	4.7	5.1	20
19	e3.0	14	7.0	1.8	55	12	22	61	26	4.3	5.0	59
20	e2.8	6.9	19	1.8	38	620	19	19	21	4.1	4.6	12
21	e2.8	7.6	17	1.7	25	142	17	23	15	4.1	4.5	5.0
22	2.9	8.5	10	1.7	139	66	16	290	12	6.9	4.2	3.7
23	e2.8	13	7.3	1.6	122	36	12	168	8.9	60	4.1	79
24	e2.6	6.3	51	1.6	38	23	10	69	7.4	11	9.7	26
25	e2.4	5.1	188	1.6	19	17	11	105	6.3	6.0	5.2	9.8
26	e3.0	4.8	54	1.6	13	13	17	158	5.9	4.5	4.3	11
27	e2.6	5.8	23	1.7	e80	11	21	39	5.7	4.0	3.7	4.9
28	e80	4.3	14	1.7	174	8.7	12	28	5.4	3.9	3.3	4.2
29	e50	5.2	11	2.1	---	9.0	9.5	25	5.4	3.5	2.9	3.5
30	28	4.9	7.7	58	---	126	9.3	28	5.4	6.2	2.7	3.4
31	10	---	6.4	82	---	75	---	24	---	5.2	6.4	---
TOTAL	871.1	504.6	1,063.6	309.3	1,135.5	1,996.9	2,140.5	1,340.9	907.4	463.5	423.2	331.0
MEAN	28.1	16.8	34.3	9.98	40.6	64.4	71.3	43.3	30.2	15.0	13.7	11.0
MAX	475	115	188	82	174	620	602	290	138	121	157	79
MIN	1.9	1.6	4.0	1.6	6.8	6.5	8.7	9.9	5.4	3.5	2.7	2.7
CFSM	1.99	1.19	2.43	0.71	2.88	4.57	5.06	3.07	2.15	1.06	0.97	0.78
IN.	2.30	1.33	2.81	0.82	3.00	5.27	5.65	3.54	2.39	1.22	1.12	0.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, @ BY WATER YEAR (WY)

MEAN	7.64	8.20	10.5	22.7	24.8	32.0	21.7	11.3	8.90	4.51	3.55	9.44
MAX	28.1	28.9	34.3	58.2	62.9	76.6	71.3	43.3	30.6	15.0	13.7	54.4
(WY)	(2003)	(1996)	(2003)	(1991)	(1998)	(1998)	(2003)	(2003)	(1995)	(2003)	(2003)	(1996)
MIN	0.065	0.064	1.65	5.06	4.20	2.88	0.99	0.79	0.038	0.009	0.016	0.027
(WY)	(1999)	(1999)	(2002)	(2001)	(2002)	(2002)	(1995)	(2002)	(2002)	(2002)	(2002)	(1990)

02084909 SEVENMILE CREEK NEAR EFLAND, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003 [®]	
ANNUAL TOTAL	3,129.93		11,487.5		13.7	
ANNUAL MEAN	8.58		31.5		2.14	
HIGHEST ANNUAL MEAN					31.5	2003
LOWEST ANNUAL MEAN					2.14	2002
HIGHEST DAILY MEAN	475	Oct 11	620	Mar 20	1,080	Sep 6, 1996
LOWEST DAILY MEAN	0.00	Jun 25	1.6	Nov 3	0.00	Aug 3, 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 13	1.6	Jan 21	0.00	Aug 13, 1988
MAXIMUM PEAK FLOW			1,440	Apr 10	3,440*	Sep 6, 1996
MAXIMUM PEAK STAGE			10.80	Apr 10	15.47*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.00*	Aug 6, 1987
ANNUAL RUNOFF (CFSM)	0.61		2.23		0.97	
ANNUAL RUNOFF (INCHES)	8.26		30.31		13.20	
10 PERCENT EXCEEDS	15		78		26	
50 PERCENT EXCEEDS	1.6		11		4.5	
90 PERCENT EXCEEDS	0.00		2.8		0.22	

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

