

02084909 SEVENMILE CREEK NEAR EFLAND, NC

LOCATION.--Lat 36°03'56", long 79°08'39", 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 September 2004 (discontinued).

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	1.7	1.2	2.4	14	16	47	4.4	0.76	1.6	42	22
2	3.3	1.5	1.2	2.0	11	14	22	24	0.60	0.86	32	8.9
3	3.3	1.0	0.98	2.1	88	19	14	58	0.56	3.2	84	2.8
4	3.3	1.2	1.1	2.0	49	12	9.9	37	5.0	58	27	0.75
5	3.3	1.5	5.2	2.6	26	7.3	6.9	29	6.6	15	13	0.28
6	3.3	2.7	5.0	4.8	22	8.7	4.5	25	1.5	4.2	8.4	14
7	3.1	2.7	3.4	2.5	75	11	4.1	19	0.83	1.4	3.2	39
8	3.1	2.6	2.4	1.9	29	7.9	3.4	15	0.72	0.63	1.4	177
9	3.6	2.3	1.8	2.9	18	6.4	2.8	12	0.62	0.45	0.98	37
10	3.9	2.0	39	4.0	13	5.9	2.1	10	0.58	0.40	0.74	6.9
11	4.5	1.7	124	3.3	11	4.5	2.2	7.7	0.80	1.7	0.53	2.1
12	4.5	1.6	24	3.2	14	3.7	11	6.0	4.7	3.5	0.74	0.87
13	4.1	2.6	13	3.7	20	3.3	28	5.5	2.2	0.43	1.7	0.48
14	5.5	2.6	105	3.4	12	2.8	33	5.8	0.91	0.34	63	0.35
15	26	2.4	50	3.4	9.9	4.8	18	5.6	0.69	0.29	30	1.2
16	6.0	2.2	19	3.0	17	12	9.8	4.0	0.70	0.28	16	0.57
17	2.4	1.9	23	1.9	16	30	6.5	3.2	0.61	0.27	23	43
18	2.4	1.6	23	4.8	11	16	4.7	1.9	0.62	0.42	82	58
19	2.6	9.3	11	7.1	12	16	3.2	1.9	0.56	0.31	19	13
20	2.6	8.2	6.3	4.9	9.1	9.6	2.7	2.3	0.55	26	7.9	2.7
21	3.2	0.99	3.8	3.9	9.1	7.6	2.2	2.0	0.47	2.8	4.4	0.93
22	3.3	0.47	2.9	4.1	6.0	5.9	2.4	1.6	0.41	0.60	9.0	0.42
23	3.3	0.68	2.3	4.1	4.7	4.2	1.3	1.3	0.66	0.53	4.5	0.27
24	3.0	0.82	3.4	4.5	5.2	3.4	1.1	1.2	5.3	0.49	2.2	0.41
25	2.7	1.1	4.0	5.3	5.3	3.0	1.5	0.88	1.9	1.1	1.7	0.60
26	3.2	1.0	3.7	5.4	6.5	2.8	2.7	0.76	9.3	0.56	1.3	0.61
27	3.6	0.98	3.3	5.1	9.8	2.7	5.1	0.74	8.1	2.0	1.2	0.99
28	4.6	1.4	3.1	4.9	14	3.0	4.1	0.69	2.0	22	1.2	11
29	25	7.1	2.8	5.6	25	2.9	3.2	0.66	34	62	1.2	6.0
30	6.4	2.0	3.4	12	---	3.1	2.9	0.74	7.8	62	230	2.0
31	2.6	---	2.8	22	---	5.3	---	0.79	---	21	70	---
TOTAL	155.0	69.84	495.08	142.8	562.6	254.8	262.3	288.66	100.05	294.36	783.29	454.13
MEAN	5.00	2.33	16.0	4.61	19.4	8.22	8.74	9.31	3.33	9.50	25.3	15.1
MAX	26	9.3	124	22	88	30	47	58	34	62	230	177
MIN	2.4	0.47	0.98	1.9	4.7	2.7	1.1	0.66	0.41	0.27	0.53	0.27
CFSM	0.35	0.17	1.13	0.33	1.38	0.58	0.62	0.66	0.24	0.67	1.79	1.07
IN.	0.41	0.18	1.31	0.38	1.48	0.67	0.69	0.76	0.26	0.78	2.07	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004,[@] BY WATER YEAR (WY)

MEAN	7.48	7.86	10.8	21.7	24.4	30.6	20.9	11.2	8.57	4.80	4.83	9.78
MAX	28.1	28.9	34.3	58.2	62.9	76.6	71.3	43.3	30.6	15.0	25.3	54.4
(WY)	(2003)	(1996)	(2003)	(1991)	(1998)	(1998)	(2003)	(2003)	(1995)	(2003)	(2004)	(1996)
MIN	0.06	0.06	1.65	4.61	4.20	2.88	0.99	0.79	0.04	0.01	0.02	0.03
(WY)	(1999)	(1999)	(2002)	(2004)	(2002)	(2002)	(1995)	(2002)	(2002)	(2002)	(2002)	(1990)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004 [@]	
ANNUAL TOTAL	9,768.12		3,862.91		13.5	
ANNUAL MEAN	26.8		10.6		2.14	
HIGHEST ANNUAL MEAN					31.5	2003
LOWEST ANNUAL MEAN					2.14	2002
HIGHEST DAILY MEAN	620	Mar 20	230	Aug 30	1,080	Sep 6, 1996
LOWEST DAILY MEAN	0.47	Nov 22	0.27	Jul 17	0.00	Aug 3, 1988
ANNUAL SEVEN-DAY MINIMUM	0.86	Nov 21	0.33	Jul 13	0.00	Aug 13, 1988
MAXIMUM PEAK FLOW			568	Aug 30	3440*	Sep 6, 1996
MAXIMUM PEAK STAGE			8.67	Aug 30	15.47*	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.12	Sep 5	0.00*	Aug 6, 1987
ANNUAL RUNOFF (CFSM)	1.90		0.749		0.958	
ANNUAL RUNOFF (INCHES)	25.77		10.19		13.02	
10 PERCENT EXCEEDS	65		25		26	
50 PERCENT EXCEEDS	8.9		3.4		4.4	
90 PERCENT EXCEEDS	2.0		0.66		0.24	

[@] See PERIOD OF RECORD.

* See REMARKS.

