

02153780 CLARKS FORK CREEK NEAR SMYRNA, SC

LOCATION.--Lat 35°04'45'', long 81°23'17'', York County, Hydrologic Unit 03050105, near right bank, at downstream side of bridge on State Highway 55, 3.0 mi northeast of Smyrna and 10.1 mi northwest of York.

DRAINAGE AREA.--24.1 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Data collection platform. Elevation of gage is 565 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.5	0.87	e3.6	6.3	6.4	5.0	60	5.5	2.6	0.41	0.00	0.34
2	e1.5	0.89	4.5	5.7	6.2	17	22	6.1	2.3	0.38	0.00	0.21
3	e1.6	0.90	4.9	6.3	5.6	46	14	5.6	2.0	0.50	0.00	0.18
4	e1.7	0.88	e3.9	7.5	5.5	20	11	17	1.8	0.40	0.00	0.16
5	e1.7	0.87	e3.8	8.0	5.4	10	9.0	11	1.7	0.33	0.00	0.12
6	e1.8	0.84	5.2	15	5.2	8.4	8.5	6.5	1.8	0.22	0.00	0.11
7	e1.8	0.86	5.4	21	20	7.8	7.9	5.4	3.2	0.23	0.00	0.08
8	e1.7	0.88	5.7	14	39	7.2	7.7	4.9	2.0	0.20	0.00	0.06
9	e1.7	0.89	6.4	10	15	7.0	7.6	4.6	1.6	0.11	0.00	0.04
10	e1.7	0.90	7.7	8.9	10	7.4	8.6	4.2	1.4	0.17	0.00	0.01
11	e1.8	0.91	17	e8.3	9.3	6.4	7.7	4.2	1.3	0.10	0.00	0.00
12	e1.9	0.91	14	e8.0	7.9	13	7.2	4.1	1.2	0.03	0.00	0.00
13	e2.0	0.90	10	7.6	7.2	39	8.2	4.5	1.1	0.10	0.00	0.00
14	e1.7	0.90	8.8	8.1	6.9	21	7.5	13	0.99	0.20	0.00	1.2
15	e2.3	0.91	8.0	7.6	6.5	12	7.1	5.6	0.96	0.23	0.01	5.5
16	e1.9	e1.7	7.1	7.2	6.3	9.7	6.9	4.3	0.78	0.21	3.9	4.8
17	e1.8	e1.8	7.1	7.0	6.2	15	6.5	3.9	0.76	0.16	4.8	0.92
18	e1.9	e1.8	13	7.1	5.8	17	6.2	4.4	0.67	0.14	0.92	0.50
19	e1.9	e2.0	12	21	5.5	11	5.9	4.7	0.63	0.04	0.35	0.35
20	e1.9	e2.0	9.2	49	5.8	10	5.7	3.7	0.58	0.00	0.20	0.30
21	e1.7	e2.0	8.0	16	6.4	17	5.5	3.5	0.54	0.00	0.09	0.31
22	e1.6	e2.0	7.4	11	5.9	16	5.2	3.4	0.54	0.00	0.05	0.44
23	e1.5	e2.2	7.0	74	5.8	10	4.7	3.2	0.62	0.00	0.04	0.55
24	e1.6	e5.8	7.5	32	5.4	9.1	4.5	3.1	0.73	0.00	0.02	0.43
25	e3.4	3.9	7.4	39	5.3	8.5	4.7	3.1	0.74	0.00	0.04	0.38
26	e1.7	2.9	7.0	17	5.4	8.6	4.9	3.0	0.71	0.00	0.17	0.75
27	e1.2	2.8	6.9	9.9	5.4	10	4.6	2.8	0.86	0.00	0.18	1.6
28	0.78	3.1	7.0	8.2	5.1	8.2	4.7	2.7	0.75	0.00	0.22	1.6
29	0.78	3.5	7.1	7.3	---	7.5	4.8	2.6	0.52	0.21	0.16	0.95
30	0.80	4.0	6.9	6.9	---	8.8	4.4	2.4	0.44	0.09	0.15	0.56
31	0.85	---	6.5	6.5	---	30	---	2.8	---	0.00	0.34	---
TOTAL	51.71	54.81	236.0	461.4	230.4	423.6	273.2	155.8	35.82	4.46	11.64	22.45
MEAN	1.67	1.83	7.61	14.9	8.23	13.7	9.11	5.03	1.19	0.14	0.38	0.75
MAX	3.4	5.8	17	74	39	46	60	17	3.2	0.50	4.8	5.5
MIN	0.78	0.84	3.6	5.7	5.1	5.0	4.4	2.4	0.44	0.00	0.00	0.00
CFSM	0.07	0.08	0.32	0.62	0.34	0.57	0.38	0.21	0.05	0.01	0.02	0.03
IN.	0.08	0.08	0.36	0.71	0.36	0.65	0.42	0.24	0.06	0.01	0.02	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2002, BY WATER YEAR (WY)

MEAN	14.2	16.0	19.4	32.7	36.2	39.5	26.9	17.4	12.9	8.19	10.4	6.58
MAX	91.8	60.1	54.9	82.5	66.8	94.5	58.7	37.1	36.8	30.7	47.8	17.5
(WY)	1991	1986	1984	1993	1984	1993	1998	1984	1992	1984	1985	1995
MIN	1.65	1.83	4.27	6.84	7.05	13.6	9.11	5.03	1.19	0.14	0.38	0.75
(WY)	2001	2002	2001	2001	2001	1988	2002	2002	2002	2002	2002	2002

## 02153780 CLARKS FORK CREEK NEAR SMYRNA, SC--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1981 - 2002
ANNUAL TOTAL	2690.82	1961.29	
ANNUAL MEAN	7.37	5.37	
HIGHEST ANNUAL MEAN			20.0
LOWEST ANNUAL MEAN			37.5
HIGHEST DAILY MEAN	183	Mar 29	1993
LOWEST DAILY MEAN	0.78	Oct 28	5.37
ANNUAL SEVEN-DAY MINIMUM	0.84	Oct 28	2002
MAXIMUM PEAK FLOW			1000
MAXIMUM PEAK STAGE			Aug 17 1985
ANNUAL RUNOFF (CFSM)	0.31		0.00 a Jul 20 2002
ANNUAL RUNOFF (INCHES)	4.15		0.00 Jul 20 2002
10 PERCENT EXCEEDS	13		2100 Aug 27 1995
50 PERCENT EXCEEDS	4.5		13.77 Aug 27 1995
90 PERCENT EXCEEDS	1.2		0.83
			11.25
			34
			11
			2.8

a Also occurred many days in July and September, 2002.

e Estimated

