

02124080 CLARKE CREEK NEAR HARRISBURG, NC

LOCATION.--Lat 35°24'51", long 80°45'07", Cabarrus County, Hydrologic Unit 03040105, on left wingwall on upstream side of bridge on Secondary Road 1449, 3.0 mi upstream from mouth, and 8.5 mi northwest of Harrisburg.

DRAINAGE AREA.--21.9 mi².

PERIOD OF RECORD.--July 2003 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 608.30 ft above North American Vertical Datum of 1988, from levels. Radio telemetry at station.

REMARKS.--Records poor. Minimum discharge for period of record also occurred May 27, Aug. 8, 2004. Minimum discharge for current water year and period of record is affected by withdrawal from golf course upstream.

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	19	4.8	10	7.8	10	59	28	10	3.4	9.4	5.7	e1.8
2	17	4.4	8.4	7.7	9.3	28	27	6.0	44	5.4	2.4	e1.5
3	19	7.5	7.6	7.5	33	21	23	5.5	13	5.1	2.1	1.2
4	16	77	6.9	7.7	25	18	17	4.7	8.9	5.0	2.0	1.1
5	11	21	6.5	7.9	17	14	14	4.4	7.1	3.1	1.8	0.98
6	9.2	12	7.3	7.3	12	13	13	4.2	5.4	4.5	0.99	0.84
7	7.7	9.6	13	7.6	10	12	13	4.4	31	12	0.36	0.80
8	6.8	8.4	9.7	7.3	9.4	45	32	4.0	37	9.4	15	1.2
9	6.9	7.5	27	7.5	8.5	24	27	3.8	93	6.0	11	1.3
10	6.9	7.0	352	7.6	8.5	e20	18	2.8	87	e1.8	5.6	0.83
11	5.9	6.7	96	7.6	7.9	e18	14	3.1	22	e1.6	3.6	0.30
12	5.6	16	35	7.5	8.0	e17	22	2.4	14	e1.4	3.0	0.25
13	5.5	16	24	7.2	7.5	e16	47	2.1	10	1.2	6.7	0.23
14	4.4	9.2	19	70	9.9	e18	139	2.5	6.6	1.6	9.7	0.39
15	4.3	8.0	16	21	9.1	e15	35	2.8	4.9	1.6	4.6	0.41
16	4.0	7.6	15	15	7.5	51	23	3.9	3.8	0.81	3.4	0.57
17	4.1	7.5	14	13	10	62	18	3.7	3.4	0.50	0.63	0.86
18	4.1	7.2	13	11	8.5	32	15	3.3	3.4	0.48	31	0.88
19	5.0	7.1	12	11	7.1	25	12	1.5	3.2	1.1	6.0	0.51
20	6.4	7.2	10	11	7.8	19	10	5.6	4.5	0.28	2.8	0.55
21	5.6	6.7	9.0	11	21	17	8.7	4.9	3.1	0.26	1.8	0.32
22	5.8	6.4	8.7	9.8	18	18	8.5	4.1	1.4	0.26	2.3	0.24
23	5.2	7.4	23	9.5	12	82	9.1	3.8	2.1	0.52	4.3	0.16
24	5.8	12	15	8.6	54	34	8.0	2.5	1.6	0.38	23	0.33
25	5.2	16	11	8.8	26	23	7.4	2.8	2.2	0.52	2.5	0.26
26	4.8	8.2	10	9.0	19	20	7.4	1.6	2.8	0.17	2.2	0.26
27	4.4	10	9.8	8.3	16	21	6.5	1.6	6.6	0.11	2.4	0.36
28	6.2	39	8.5	7.1	201	377	6.6	1.2	13	0.46	3.3	0.35
29	5.8	14	8.6	7.8	---	102	5.8	2.6	6.0	8.8	2.0	0.20
30	4.7	10	8.3	17	---	37	6.5	3.3	4.1	11	1.7	0.11
31	4.6	---	8.2	14	---	32	---	2.5	---	17	2.0	---
TOTAL	226.9	381.4	822.5	361.1	593.0	1,290	621.5	111.6	448.5	111.75	165.88	19.09
MEAN	7.32	12.7	26.5	11.6	21.2	41.6	20.7	3.60	14.9	3.60	5.35	0.64
MAX	19	77	352	70	201	377	139	10	93	17	31	1.8
MIN	4.0	4.4	6.5	7.1	7.1	12	5.8	1.2	1.4	0.11	0.36	0.11
CFSM	0.33	0.58	1.21	0.53	0.97	1.90	0.95	0.16	0.68	0.16	0.24	0.03
IN.	0.39	0.65	1.40	0.61	1.01	2.19	1.06	0.19	0.76	0.19	0.28	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	5.04	7.95	16.9	8.32	19.6	26.2	15.1	3.80	9.85	4.63	5.38	23.0
MAX	7.32	12.7	26.5	11.6	21.2	41.6	20.7	4.00	14.9	5.65	7.98	62.6
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2004)	(2003)	(2004)
MIN	2.76	3.19	7.19	4.98	18.1	10.8	9.39	3.60	4.74	3.60	2.82	0.64
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2004)	(2005)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	5,132.01		5,153.22			
ANNUAL MEAN	14.0		14.1		12.7	
HIGHEST ANNUAL MEAN					14.1	2005
LOWEST ANNUAL MEAN					11.2	2004
HIGHEST DAILY MEAN	1,070	Sep 28	377	Mar 28	1,070	Sep 28, 2004
LOWEST DAILY MEAN	0.03	Aug 10	0.11	Jul 27	0.03	Aug 10, 2004
ANNUAL SEVEN-DAY MINIMUM	0.71	Aug 5	0.27	Sep 24	0.27	Sep 24, 2005
MAXIMUM PEAK FLOW			626	Dec 10	2,290	Sep 28, 2004
MAXIMUM PEAK STAGE			8.23	Dec 10	11.51	Sep 28, 2004
INSTANTANEOUS LOW FLOW			0.07*	Jul 26	0.01*	May 26, 2004
ANNUAL RUNOFF (CFSM)	0.640		0.645		0.578	
ANNUAL RUNOFF (INCHES)	8.72		8.75		7.86	
10 PERCENT EXCEEDS	19		25		21	
50 PERCENT EXCEEDS	6.2		7.5		5.6	
90 PERCENT EXCEEDS	1.6		0.87		1.3	

* See REMARKS.

e Estimated.

