

## 0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC

LOCATION.--Lat 36°08'59", long 78°53'48", Durham County, Hydrologic Unit 03020201, on right bank at bridge on Secondary Road 1617 and 1.6 mi southwest of Bahama.

DRAINAGE AREA.--8.0 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 370 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum gage height for period of record from floodmarks. Maximum gage height for period of record occurred Sept. 6, 1996, discharge not determined. No flow occurred on many days during the period.

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	0.17	8.7	3.9	23	13	30	17	5.1	e6.0	12	1.8	12
2	0.17	6.8	3.8	22	9.2	48	13	5.3	4.9	107	6.0	4.0
3	0.16	5.1	3.8	19	7.4	23	11	4.2	4.7	29	3.2	2.5
4	0.16	5.6	3.7	15	8.6	16	9.2	3.9	38	12	2.0	9.3
5	0.16	6.2	77	12	7.6	16	10	4.2	22	7.2	2.2	14
6	0.14	33	36	11	6.7	41	8.9	5.6	9.2	5.4	1.9	5.0
7	0.13	13	25	9.3	46	22	139	4.5	25	4.9	9.9	3.5
8	0.11	8.2	17	9.0	22	16	43	3.7	50	4.2	6.4	3.2
9	0.13	6.6	14	8.6	13	14	297	3.2	54	3.7	35	3.0
10	0.39	5.8	12	8.1	13	15	128	2.9	15	3.7	48	2.5
11	740	7.1	22	7.2	11	11	50	2.8	9.2	3.1	41	2.0
12	31	36	18	6.6	9.1	9.3	25	2.5	7.5	3.0	9.1	1.6
13	9.7	27	77	6.4	7.4	9.1	17	1.9	7.2	2.9	5.6	1.7
14	6.6	13	40	6.2	7.2	10	13	1.8	6.3	3.9	4.3	1.9
15	5.1	9.1	18	5.6	7.9	9.3	12	3.0	5.6	3.1	4.1	1.7
16	45	10	12	4.6	9.6	36	10	5.2	7.3	2.6	4.0	1.5
17	15	43	9.8	4.8	9.1	22	9.3	3.4	8.1	2.9	3.7	1.3
18	7.8	25	8.7	4.3	18	15	8.7	5.9	6.5	2.1	3.0	12
19	5.0	13	8.8	4.0	21	13	9.1	15	9.6	1.9	2.6	22
20	4.1	10	17	4.3	17	e400	8.4	6.8	6.6	1.8	2.4	6.5
21	4.3	8.5	12	4.3	13	e90	7.7	5.5	5.1	1.6	2.2	3.5
22	6.7	7.6	10	3.7	66	e30	7.3	57	4.2	3.5	2.0	3.0
23	5.3	6.9	12	4.1	40	e19	6.6	60	3.7	9.6	1.8	56
24	3.6	5.7	27	5.4	18	e14	5.5	24	3.3	3.8	1.5	12
25	3.3	5.5	70	3.6	13	e12	5.8	28	3.0	2.4	1.4	6.3
26	3.4	5.1	24	4.0	12	9.7	7.4	144	2.7	1.7	1.3	4.3
27	2.9	4.8	15	4.0	64	9.0	6.9	21	2.6	1.6	1.2	3.8
28	37	4.7	13	3.3	55	8.3	5.5	13	2.4	1.4	1.1	3.3
29	37	4.6	11	4.1	---	12	5.1	9.2	2.4	1.2	1.0	2.8
30	32	4.4	10	24	---	79	5.1	7.7	4.8	1.7	0.95	2.4
31	14	---	9.4	26	---	31	---	6.8	---	1.7	30	---
TOTAL	1,020.52	350.0	640.9	277.5	544.8	1,089.7	901.5	467.1	336.9	246.6	240.65	208.6
MEAN	32.9	11.7	20.7	8.95	19.5	35.2	30.1	15.1	11.2	7.95	7.76	6.95
MAX	740	43	77	26	66	400	297	144	54	107	48	56
MIN	0.11	4.4	3.7	3.3	6.7	8.3	5.1	1.8	2.4	1.2	0.95	1.3
CFSM	4.12	1.46	2.58	1.12	2.43	4.39	3.76	1.88	1.40	0.99	0.97	0.87
IN.	4.75	1.63	2.98	1.29	2.53	5.07	4.19	2.17	1.57	1.15	1.12	0.97

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	5.81	3.96	5.72	11.0	13.1	18.1	11.6	5.09	6.38	3.22	2.23	14.6
MAX	32.9	11.7	20.7	27.3	36.2	49.9	30.0	15.1	29.7	7.95	7.76	74.0
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(1995)	(2003)	(2003)	(1996)
MIN	0.035	0.061	0.26	1.51	1.55	2.74	1.14	0.19	0.29	0.097	0.015	0.18
(WY)	(1999)	(1999)	(2002)	(2001)	(2002)	(2002)	(2002)	(2002)	(1999)	(2002)	(1999)	(1995)

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	2,609.10		6,324.77		8.35	
ANNUAL MEAN	7.15		17.3		17.3	
HIGHEST ANNUAL MEAN					1.67	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	740	Oct 11	740	Oct 11	1,000	Sep 6, 1996
LOWEST DAILY MEAN	0.00	Jun 13	0.11	Oct 8	0.00	Aug 3, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 13	0.14	Oct 3	0.00	Aug 3, 1999
MAXIMUM PEAK FLOW			2,680	Oct 11	NOT DETERMINED*	
MAXIMUM PEAK STAGE			12.07	Oct 11	12.56	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.10	Oct 8	0.00	Aug 3, 1999
ANNUAL RUNOFF (CFSM)	0.89		2.17		1.04	
ANNUAL RUNOFF (INCHES)	12.13		29.41		14.19	
10 PERCENT EXCEEDS	13		36		14	
50 PERCENT EXCEEDS	0.85		7.3		2.3	
90 PERCENT EXCEEDS	0.03		1.9		0.09	

e Estimated.  
 \* See REMARKS.

