

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 mi².

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.--No estimated daily discharges. Records good. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	3.3	2.8	5.0	7.3	5.2	22	1.5	0.39	0.21	1.5	8.0
2	2.3	3.0	2.5	4.9	6.8	6.1	10	4.0	0.25	0.18	28	4.6
3	2.1	2.7	2.2	5.1	39	6.7	6.3	9.4	0.21	0.14	28	3.1
4	2.1	2.6	2.4	5.1	21	5.7	4.7	4.8	0.28	0.13	3.8	2.6
5	1.9	2.6	7.9	5.6	12	5.3	3.8	3.0	0.38	0.11	1.7	2.2
6	1.9	2.9	5.3	7.5	21	5.7	3.3	2.2	0.30	0.12	3.0	2.1
7	1.8	3.2	3.9	5.5	34	4.8	3.0	1.9	0.27	0.12	1.1	4.1
8	1.8	2.9	3.2	5.0	14	4.1	3.0	1.6	0.25	0.09	0.71	9.9
9	2.8	2.4	3.0	5.4	9.7	3.9	2.7	1.4	0.33	0.08	0.69	5.2
10	2.8	2.2	31	5.3	8.5	4.0	2.5	1.2	0.25	0.07	0.69	3.0
11	3.4	2.1	53	4.7	7.5	3.7	2.4	1.0	0.29	0.08	0.59	2.1
12	2.9	2.2	14	5.1	9.7	3.6	5.2	0.97	0.25	0.09	2.3	1.8
13	2.3	2.2	9.6	5.5	10	3.8	8.7	0.91	0.21	0.09	4.8	1.6
14	2.2	1.9	56	5.1	8.1	3.2	11	0.84	0.18	0.08	39	1.5
15	5.7	1.8	23	5.0	7.2	3.7	7.6	0.76	0.19	0.06	15	1.7
16	2.9	1.8	14	4.5	8.4	6.5	5.9	0.72	0.26	0.05	7.7	1.7
17	2.2	2.0	17	4.3	8.0	8.1	4.3	0.69	0.48	0.05	3.8	4.6
18	2.1	2.0	15	6.2	7.5	5.9	3.4	0.63	0.28	0.14	2.4	13
19	1.9	11	11	6.0	7.5	5.4	2.7	0.61	0.19	0.10	1.8	5.8
20	1.8	11	9.0	4.9	6.8	4.4	2.5	0.64	0.14	1.9	1.3	3.0
21	1.8	5.3	7.7	4.6	6.2	4.5	2.3	0.51	0.12	0.42	3.6	2.2
22	1.7	3.6	7.3	4.6	5.5	3.7	2.0	0.51	0.13	0.24	3.3	1.8
23	1.5	3.1	6.8	4.4	5.2	3.3	1.7	0.46	0.18	0.86	1.2	1.6
24	1.5	2.9	7.6	4.3	5.0	3.5	1.6	0.55	0.29	0.39	1.00	1.4
25	1.5	2.6	7.1	4.3	4.9	3.1	1.5	0.40	0.28	0.26	0.83	1.3
26	1.7	2.4	6.3	5.1	4.5	3.4	1.5	0.31	1.1	0.21	0.74	1.3
27	2.7	2.3	6.0	4.8	6.1	3.1	1.8	0.30	0.58	0.19	0.73	1.3
28	4.1	3.5	5.7	4.8	6.8	3.1	1.4	0.27	0.35	0.24	0.60	3.1
29	19	5.0	5.6	5.2	5.7	2.9	1.2	0.24	0.36	4.8	0.50	2.6
30	7.3	3.1	5.6	9.0	---	2.9	1.1	0.75	0.24	6.7	144	1.8
31	4.5	---	5.1	11	---	3.5	---	0.66	---	1.6	23	---
TOTAL	96.5	99.6	356.6	167.8	303.9	136.8	131.1	43.73	9.01	19.80	327.38	100.0
MEAN	3.11	3.32	11.5	5.41	10.5	4.41	4.37	1.41	0.30	0.64	10.6	3.33
MAX	19	11	56	11	39	8.1	22	9.4	1.1	6.7	144	13
MIN	1.5	1.8	2.2	4.3	4.5	2.9	1.1	0.24	0.12	0.05	0.50	1.3
CFSM	0.39	0.41	1.44	0.68	1.31	0.55	0.55	0.18	0.04	0.08	1.32	0.42
IN.	0.45	0.46	1.66	0.78	1.41	0.64	0.61	0.20	0.04	0.09	1.52	0.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	5.54	3.89	6.30	10.4	12.9	16.7	10.9	4.72	5.77	2.96	3.06	13.4
MAX	32.9	11.7	20.7	27.3	36.2	49.9	30.0	15.1	29.7	7.95	10.6	74.0
(WY)	(2003)	(2003)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(1995)	(2003)	(2004)	(1996)
MIN	0.03	0.06	0.26	1.51	1.55	2.74	1.14	0.19	0.29	0.10	0.01	0.18
(WY)	(1999)	(1999)	(2002)	(2001)	(2002)	(2002)	(2002)	(2002)	(1999)	(2002)	(1999)	(1995)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	4,866.05		1,792.22		8.01	
ANNUAL MEAN	13.3		4.90		17.3	
HIGHEST ANNUAL MEAN					1.67	2003
LOWEST ANNUAL MEAN					1.00	2002
HIGHEST DAILY MEAN	400	Mar 20	144	Aug 30	1,000	Sep 6, 1996
LOWEST DAILY MEAN	0.95	Aug 30	0.05	Jul 16	0.00	Aug 3, 1999
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 24	0.07	Jul 11	0.00	Aug 3, 1999
MAXIMUM PEAK FLOW			594	Aug 30	NOT DETERMINED*	
MAXIMUM PEAK STAGE			7.92	Aug 30	12.56	Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.04	Jul 16	0.00*	Aug 3, 1999
ANNUAL RUNOFF (CFSM)	1.67		0.612		1.00	
ANNUAL RUNOFF (INCHES)	22.63		8.33		13.60	
10 PERCENT EXCEEDS	27		9.0		14	
50 PERCENT EXCEEDS	5.6		2.9		2.4	
90 PERCENT EXCEEDS	1.9		0.25		0.10	

* See REMARKS.

