

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC

LOCATION.--Lat 36°08'58", long 78°53'49", 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.--Records good except those for estimated daily discharges, which are fair. 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 year.

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	0.10	0.06	0.10	0.11	1.2	e0.40	5.6	0.22	0.07	0.33	0.02	77
2	0.08	0.06	0.10	0.11	0.94	e0.60	3.4	0.25	0.09	0.18	0.01	13
3	0.07	0.06	0.09	0.26	0.79	e11	2.4	e0.26	0.07	0.13	0.01	5.7
4	0.06	0.07	0.10	0.25	0.86	7.5	1.7	e0.30	0.06	0.10	0.00	2.4
5	0.07	0.09	0.11	0.19	0.65	3.3	1.2	e0.40	0.06	0.09	0.00	1.3
6	0.07	0.09	0.09	2.2	0.67	2.0	1.0	e0.30	0.06	0.08	0.00	0.80
7	0.07	0.08	0.09	4.0	8.2	1.5	0.97	e0.20	0.06	0.07	0.00	0.60
8	0.06	0.08	0.09	2.5	8.6	1.3	0.86	e0.20	0.06	0.06	0.00	0.44
9	0.06	0.07	0.09	1.3	4.2	1.1	0.85	e0.20	0.04	0.05	0.00	0.43
10	0.06	0.08	0.10	1.5	2.4	1.00	1.3	e0.10	0.03	0.05	0.00	0.39
11	0.06	0.08	3.7	1.8	e2.6	0.86	1.3	e0.20	0.02	0.10	0.00	0.36
12	0.06	0.07	0.40	1.0	e2.1	0.86	1.1	e0.20	0.01	0.08	0.00	0.24
13	0.06	0.07	0.19	1.4	e1.6	1.1	1.1	e0.20	0.00	0.06	0.00	0.22
14	0.36	0.07	0.15	0.87	e0.95	0.99	1.1	e0.42	0.00	0.06	0.00	4.8
15	0.46	0.08	0.15	0.73	e0.86	0.92	0.94	0.33	0.00	0.06	0.00	3.3
16	0.14	0.08	0.15	0.55	e0.75	0.87	0.79	0.26	0.00	0.04	0.00	3.9
17	0.08	0.08	0.16	0.57	e0.70	2.4	1.5	0.21	0.00	0.04	0.00	1.7
18	0.06	0.09	0.41	0.63	e0.67	4.4	1.1	0.26	0.00	0.02	8.3	0.91
19	0.06	0.08	0.23	12	0.59	4.2	0.84	0.20	0.00	0.02	2.2	0.83
20	0.06	0.09	0.18	30	0.52	2.9	0.85	0.15	0.00	0.04	0.13	0.64
21	0.05	0.08	0.14	8.7	0.58	3.9	0.71	0.16	0.00	0.04	0.06	0.52
22	0.06	0.08	0.12	5.6	e0.55	3.7	0.59	0.15	0.00	0.03	0.03	0.38
23	0.06	0.07	0.14	16	e0.40	2.3	0.52	0.12	0.00	0.64	0.02	0.32
24	0.06	0.11	0.21	14	e0.40	1.8	0.47	0.11	0.00	0.23	0.02	0.26
25	0.06	0.13	0.17	9.8	e0.40	1.4	0.47	0.11	0.00	0.07	0.64	0.22
26	0.06	0.12	0.14	5.8	e0.50	1.5	0.41	0.10	19	0.07	11	0.27
27	0.05	0.10	0.12	3.3	e0.40	10	0.34	0.09	14	0.07	0.82	0.32
28	0.06	0.09	0.12	2.6	e0.40	4.5	0.30	0.08	5.7	0.07	1.1	0.33
29	0.06	0.09	0.11	1.8	---	2.6	0.34	0.08	4.7	0.05	0.30	0.26
30	0.06	0.10	0.14	1.4	---	2.1	0.25	0.08	0.77	0.05	9.2	0.20
31	0.06	---	0.11	1.2	---	2.0	---	0.07	---	0.04	93	---
TOTAL	2.74	2.50	8.20	132.17	43.48	85.00	34.30	6.01	44.80	3.02	126.86	122.04
MEAN	0.088	0.083	0.265	4.264	1.553	2.742	1.143	0.194	1.493	0.097	4.092	4.068
MAX	0.46	0.13	3.7	30	8.6	11	5.6	0.42	19	0.64	93	77
MIN	0.05	0.06	0.09	0.11	0.40	0.40	0.25	0.07	0.00	0.02	0.00	0.20
CFSM	0.01	0.01	0.03	0.53	0.19	0.34	0.14	0.02	0.19	0.01	0.51	0.51
IN.	0.01	0.01	0.04	0.61	0.20	0.40	0.16	0.03	0.21	0.01	0.59	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	2.424	2.995	3.847	11.25	12.34	15.95	9.287	3.837	5.774	2.632	1.538	15.52				
MAX	7.88	9.41	12.9	27.3	36.2	49.9	19.4	9.34	29.7	7.40	4.33	74.0				
(WY)	2000	1996	1997	1998	1998	1998	2000	1996	1995	1995	1996	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				

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1995 - 2002

ANNUAL TOTAL	1280.87	611.12		
ANNUAL MEAN	3.509	1.674		
HIGHEST ANNUAL MEAN			13.1	1996
LOWEST ANNUAL MEAN			1.67	2002
HIGHEST DAILY MEAN	167	Mar 30	93	Aug 31
LOWEST DAILY MEAN	0.05	Oct 21	0.00	Jun 13
ANNUAL SEVEN-DAY MINIMUM	0.06	Oct 21	0.00	Jun 13
MAXIMUM PEAK FLOW			283	Aug 31
MAXIMUM PEAK STAGE			6.62	Aug 31
INSTANTANEOUS LOW FLOW			0.00*	Jun 12
ANNUAL RUNOFF (CFSM)	0.44		0.21	
ANNUAL RUNOFF (INCHES)	5.96		2.84	12.28
10 PERCENT EXCEEDS	4.6		3.3	12
50 PERCENT EXCEEDS	0.53		0.20	1.7
90 PERCENT EXCEEDS	0.07		0.03	0.08

e Estimated.

* See REMARKS.

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

