

0214645022 BRIAR CREEK ABOVE COLONY ROAD AT CHARLOTTE, NC

LOCATION.--Lat 35°10'31", long 80°49'51", Mecklenburg County, Hydrologic Unit 03050103, on left bank on upstream side of third footbridge 900 feet upstream of Colony Road at Charlotte. Located within Myers Park Country Club.

DRAINAGE AREA.--19.0 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 598.02 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum gage height for period of record 15.41 ft, from floodmarks. Maximum discharge for period of record from slope-area measurement of peak flow.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 27, 1995 reached a stage of 15.6 ft, at present site and datum, from floodmarks; discharge not determined.

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	9.8	5.2	10	6.0	6.1	22	23	32	59	267	13	2.7
2	9.7	4.7	6.9	6.0	6.0	14	24	8.6	195	31	7.7	2.6
3	15	7.5	6.4	6.1	92	12	14	7.9	16	7.9	6.3	2.5
4	9.2	99	7.0	6.3	14	10	12	7.6	9.6	6.0	5.7	2.3
5	7.4	11	6.0	6.4	8.5	9.8	11	7.7	7.7	5.6	5.3	2.3
6	6.1	6.4	29	6.5	7.3	9.1	11	8.7	7.6	5.2	5.1	2.3
7	5.9	5.7	16	6.3	6.9	9.0	16	7.6	69	297	4.8	2.3
8	5.8	5.3	7.9	6.3	6.8	112	14	7.5	10	25	42	2.3
9	5.7	5.1	14	6.4	6.7	15	11	7.4	8.6	9.2	161	e2.3
10	5.5	5.2	156	6.6	6.7	11	9.8	174	9.0	7.3	38	e2.1
11	4.8	5.7	15	6.7	5.8	11	9.7	45	9.2	31	9.2	1.9
12	5.4	51	9.8	6.4	5.7	10	156	92	11	12	6.4	e2.0
13	129	10	8.5	6.5	5.8	9.5	156	27	6.0	21	5.7	e2.1
14	8.6	5.5	7.4	228	41	18	115	11	5.8	8.7	13	2.0
15	7.0	5.2	6.9	12	9.9	8.8	21	8.9	6.1	6.0	8.0	2.1
16	5.7	5.7	6.9	8.2	6.9	99	15	8.6	4.9	5.5	5.8	9.3
17	5.5	5.7	6.8	6.9	7.1	72	14	8.4	4.7	5.2	19	4.2
18	6.3	5.6	6.8	6.4	5.8	19	12	7.8	4.6	16	7.2	1.9
19	6.3	6.2	6.9	6.2	5.5	14	11	7.3	5.9	7.5	5.3	1.9
20	5.7	7.2	6.5	6.5	8.7	12	10	64	5.9	44	4.8	1.9
21	5.6	6.6	6.7	6.3	41	11	9.6	8.9	4.5	9.3	4.4	1.8
22	6.0	6.5	6.8	5.9	10	61	26	7.2	4.3	43	4.4	1.8
23	5.5	21	49	5.6	7.1	95	14	7.0	3.9	11	131	1.8
24	7.5	49	9.5	5.3	62	19	8.6	6.3	3.8	5.0	8.8	1.8
25	5.6	18	7.1	5.6	11	14	8.4	6.0	3.7	4.8	4.7	1.8
26	5.1	6.6	6.7	5.9	7.9	12	8.4	5.9	14	4.8	4.0	2.1
27	5.2	36	6.4	5.4	12	17	8.7	5.7	6.8	4.2	3.7	2.5
28	5.9	47	6.1	4.7	213	304	8.6	5.5	90	31	3.6	1.9
29	5.6	7.9	6.2	8.2	---	27	8.1	5.5	7.8	194	3.2	7.1
30	5.3	7.3	6.2	37	---	16	34	15	13	221	3.3	3.7
31	5.0	---	6.1	8.5	---	81	---	6.3	---	45	3.8	---
TOTAL	326.7	468.8	457.5	455.1	627.2	1,154.2	799.9	628.3	607.4	1,391.2	548.2	79.3
MEAN	10.5	15.6	14.8	14.7	22.4	37.2	26.7	20.3	20.2	44.9	17.7	2.64
MAX	129	99	156	228	213	304	156	174	195	297	161	9.3
MIN	4.8	4.7	6.0	4.7	5.5	8.8	8.1	5.5	3.7	4.2	3.2	1.8
CFSM	0.55	0.82	0.78	0.77	1.18	1.96	1.40	1.07	1.07	2.36	0.93	0.14
IN.	0.64	0.92	0.90	0.89	1.23	2.26	1.57	1.23	1.19	2.72	1.07	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

MEAN	14.7	12.7	17.4	26.1	26.8	32.0	34.0	22.6	24.6	32.1	16.3	22.1
MAX	31.0	27.7	45.8	65.2	46.9	78.2	94.2	112	118	114	34.4	83.7
(WY)	(2000)	(2003)	(2003)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(1997)	(2003)	(2004)
MIN	2.29	3.49	5.83	7.15	8.05	11.5	5.93	7.80	2.99	8.57	1.80	2.64
(WY)	(2001)	(2002)	(2001)	(2004)	(2002)	(1999)	(2002)	(2004)	(2002)	(1996)	(2001)	(2005)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	8,188.5		7,543.8		23.7	
ANNUAL MEAN	22.4		20.7		53.3	
HIGHEST ANNUAL MEAN					10.8	2003
LOWEST ANNUAL MEAN					2,610	2002
HIGHEST DAILY MEAN	836	Sep 28	304	Mar 28	2,610	Jul 23, 1997
LOWEST DAILY MEAN	2.0	Jun 20	1.8	Sep 21	0.18	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	2.7	Jun 1	1.8	Sep 19	0.29	Aug 8, 2002
MAXIMUM PEAK FLOW			1,600	Jul 7	5,680*	Jul 23, 1997
MAXIMUM PEAK STAGE			9.22	Jul 7	15.41*	Jul 23, 1997
INSTANTANEOUS LOW FLOW			1.6	Sep 25	0.12	Aug 13, 2002
ANNUAL RUNOFF (CFSM)	1.18		1.09		1.25	
ANNUAL RUNOFF (INCHES)	16.03		14.77		16.95	
10 PERCENT EXCEEDS	44		44		44	
50 PERCENT EXCEEDS	6.4		7.3		6.4	
90 PERCENT EXCEEDS	3.5		4.1		2.2	

\* See REMARKS.

e Estimated.

