

## 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>.

## WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 598.02 ft, 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. Minimum discharge for current water year also occurred Oct. 5, 6, 7.

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

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	1.5	e3.6	4.6	16	11	62	12	8.4	24	14	11	23
2	1.3	3.2	e4.6	8.6	8.4	73	10	15	14	193	9.3	7.4
3	1.3	3.2	e4.7	20	7.3	19	9.2	13	99	19	69	7.0
4	1.3	3.1	13	8.2	18	14	8.6	15	43	12	202	22
5	1.2	68	210	7.0	7.4	23	19	9.7	17	10	199	9.7
6	1.2	96	23	6.8	19	394	13	227	27	9.3	30	6.1
7	4.0	7.0	13	6.9	84	29	533	27	980	8.7	16	5.9
8	2.0	4.7	e8.2	6.5	11	16	81	20	1,120	8.4	34	5.8
9	1.6	4.1	e6.5	7.4	8.3	13	291	10	113	34	22	5.8
10	1.4	3.8	6.1	6.2	32	11	979	8.9	25	13	11	5.3
11	271	66	88	5.8	9.5	9.3	118	8.6	18	55	12	6.7
12	5.8	235	12	6.1	7.4	8.9	33	7.6	135	18	13	5.2
13	178	25	272	6.6	6.6	7.8	21	7.9	24	256	15	6.0
14	8.1	8.9	30	6.4	12	7.3	15	6.3	16	31	60	4.9
15	44	6.4	e13	6.0	13	48	12	110	14	13	18	5.7
16	155	140	e9.2	6.7	15	276	11	29	203	11	33	4.5
17	6.9	72	7.8	9.9	32	25	9.9	10	130	110	13	4.3
18	4.0	14	7.4	7.0	43	31	344	35	274	15	11	4.3
19	3.2	8.9	6.8	5.7	19	24	78	18	80	137	8.1	5.0
20	2.9	6.8	84	6.2	13	1,000	25	10	27	21	7.8	4.3
21	17	6.0	11	8.9	10	47	22	414	18	14	7.3	4.2
22	29	5.4	8.1	7.7	192	22	16	1,300	15	17	23	36
23	3.9	5.0	7.1	14	31	16	12	122	13	14	8.3	84
24	3.1	4.8	313	e9.8	14	13	11	55	12	9.0	6.8	6.3
25	3.4	4.9	182	7.7	11	11	28	360	11	8.0	6.3	5.3
26	5.3	5.0	22	8.3	27	10	e60	63	11	24	7.4	5.1
27	3.6	5.1	14	8.0	137	9.7	e25	402	18	11	6.2	6.1
28	63	5.1	11	7.0	33	8.9	e10	37	22	7.9	5.7	15
29	16	4.9	9.4	11	---	10	10	23	11	251	8.8	4.7
30	6.8	4.8	8.6	164	---	165	9.9	17	11	65	149	4.4
31	e4.7	---	8.7	27	---	20	---	97	---	18	43	---
TOTAL	851.5	830.7	1,418.8	433.4	831.9	2,423.9	2,826.6	3,486.4	3,525	1,427.3	1,066.0	320.0
MEAN	27.5	27.7	45.8	14.0	29.7	78.2	94.2	112	118	46.0	34.4	10.7
MAX	271	235	313	164	192	1,000	979	1,300	1,120	256	202	84
MIN	1.2	3.1	4.6	5.7	6.6	7.3	8.6	6.3	11	7.9	5.7	4.2
CFSM	1.45	1.46	2.41	0.74	1.56	4.12	4.96	5.92	6.18	2.42	1.81	0.56
IN.	1.67	1.63	2.78	0.85	1.63	4.75	5.53	6.83	6.90	2.79	2.09	0.63

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	16.0	13.1	18.0	29.9	27.2	33.6	37.9	24.7	25.9	30.2	15.1	16.9
MAX	31.0	27.7	45.8	65.2	46.9	78.2	94.2	112	118	114	34.4	41.1
(WY)	(2000)	(2003)	(2003)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(1997)	(2003)	(2000)
MIN	2.29	3.49	5.83	9.18	8.05	11.5	5.93	8.11	2.99	8.57	1.80	7.49
(WY)	(2001)	(2002)	(2001)	(2001)	(2002)	(1999)	(2002)	(1999)	(2002)	(1996)	(2001)	(2002)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	6,555.51		19,441.5		24.4	
ANNUAL MEAN	18.0		53.3		53.3	
HIGHEST ANNUAL MEAN					10.8	2003
LOWEST ANNUAL MEAN					10.8	2002
HIGHEST DAILY MEAN	325	Aug 31	1,300	May 22	2,610	Jul 23, 1997
LOWEST DAILY MEAN	0.18	Aug 14	1.2	Oct 5	0.18	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	0.29	Aug 8	1.7	Oct 1	0.29	Aug 8, 2002
MAXIMUM PEAK FLOW			5,420	Jun 8	5,680*	Jul 23, 1997
MAXIMUM PEAK STAGE			15.11	Jun 8	15.41*	Jul 23, 1997
INSTANTANEOUS LOW FLOW			1.1*	Oct 4	0.12	Aug 13, 2002
ANNUAL RUNOFF (CFSM)	0.95		2.80		1.29	
ANNUAL RUNOFF (INCHES)	12.83		38.06		17.48	
10 PERCENT EXCEEDS	40		136		44	
50 PERCENT EXCEEDS	4.5		12		6.3	
90 PERCENT EXCEEDS	0.92		4.8		2.1	

e Estimated.  
 \* See REMARKS.

