

SANTEE RIVER BASIN

0214645022 BRIAR CREEK ABOVE COLONY ROAD AT CHARLOTTE, NC

LOCATION.--Lat 35°10'30", long 80°49'55", 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 mi².

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records 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, present site and datum, from floodmarks; discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	2.2	3.2	4.7	4.1	6.5	14	3.7	84	2.3	1.8	4.8
2	2.9	2.2	3.2	4.3	4.0	6.2	8.3	3.5	8.6	4.9	1.7	1.1
3	2.8	2.4	3.0	4.9	4.0	23	11	3.4	3.7	4.0	1.6	109
4	2.7	2.1	3.0	4.7	4.1	123	7.4	3.1	3.7	183	1.6	101
5	2.6	3.1	3.0	4.8	4.1	18	6.3	3.2	3.1	48	1.6	4.1
6	2.7	2.4	3.2	4.1	3.9	9.2	6.0	3.1	2.8	4.4	1.4	2.5
7	2.3	2.4	3.0	3.4	3.8	7.4	8.0	3.4	2.9	3.0	1.4	1.7
8	2.2	2.3	2.9	21	3.8	6.5	6.1	3.8	6.8	5.2	1.3	1.2
9	2.2	16	2.9	5.1	3.9	6.1	5.5	3.1	3.6	4.0	1.3	8.7
10	2.3	11	3.0	3.7	7.0	5.5	5.2	3.0	3.3	2.9	1.3	1.9
11	2.3	2.3	3.0	3.6	4.1	5.2	4.9	3.0	2.8	2.5	1.5	1.0
12	2.3	2.0	3.1	23	13	20	4.6	2.9	2.6	2.3	1.6	.90
13	2.3	2.6	3.1	9.4	8.7	17	30	2.9	137	3.7	e2.0	.94
14	2.3	25	7.6	4.2	22	5.7	6.0	2.7	35	2.6	e1.8	.89
15	2.3	3.1	3.8	3.8	5.3	98	6.9	3.2	4.3	2.2	1.3	1.0
16	2.2	2.3	22	3.7	4.9	14	5.7	3.6	3.6	2.1	1.1	.87
17	2.4	18	46	3.5	131	8.5	6.7	3.5	3.1	2.0	1.3	1.1
18	2.0	3.2	5.2	6.7	10	6.8	6.1	3.4	2.9	2.1	2.5	.91
19	1.9	37	5.7	57	7.2	6.0	5.2	3.0	3.3	3.6	7.1	.85
20	1.9	10	6.3	41	6.3	159	5.0	3.2	3.4	2.0	1.2	19
21	2.0	4.1	3.7	12	5.6	158	4.7	34	2.5	1.7	.82	1.7
22	2.1	2.8	3.9	6.5	54	15	4.5	29	33	1.6	.83	1.1
23	2.1	2.6	3.2	5.6	10	8.9	4.5	8.1	11	2.5	.77	1.1
24	2.1	2.5	3.3	4.9	6.9	7.1	6.7	12	3.0	40	1.1	297
25	2.1	87	3.4	4.7	30	6.0	68	14	2.5	12	1.1	6.8
26	2.2	9.7	4.4	4.3	9.7	5.4	6.2	69	14	15	.88	2.9
27	2.3	3.8	7.6	4.6	6.8	4.8	4.3	3.8	3.8	2.7	.98	2.5
28	2.3	3.4	4.1	4.3	6.8	4.7	3.8	34	21	2.3	.99	2.0
29	2.1	3.0	3.5	4.1	---	366	3.6	27	9.5	2.4	.94	1.8
30	2.1	2.7	3.7	12	---	56	3.6	4.1	2.8	3.4	.91	1.6
31	2.1	---	3.8	4.9	---	16	---	3.0	---	2.2	10	---
TOTAL	71.1	273.2	180.8	284.5	385.0	1199.5	268.8	302.7	423.6	372.6	55.72	581.96
MEAN	2.29	9.11	5.83	9.18	13.8	38.7	8.96	9.76	14.1	12.0	1.80	19.4
MAX	3.0	.87	.46	.57	.131	.366	.68	.69	.137	.183	.10	.297
MIN	1.9	2.0	2.9	3.4	3.8	4.7	3.6	2.7	2.5	1.6	.77	.85
CFSM	.12	.48	.31	.48	.72	2.04	.47	.51	.74	.63	.09	1.02
IN.	.14	.53	.35	.56	.75	2.35	.53	.59	.83	.73	.11	1.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001
MEAN	15.9	12.1	15.0	33.1	29.9	28.4
MAX	31.0	19.4	31.5	65.2	46.9	38.7
(WY)	2000	1998	1998	1998	2001	1998
MIN	2.29	8.39	5.83	9.18	13.8	11.5
(WY)	2001	1999	2001	2001	2001	1999

SUMMARY STATISTICS

	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	FOR WATER YEARS 1996 - 2001
ANNUAL TOTAL	6570.9	4399.48	
ANNUAL MEAN	18.0	12.1	21.4
HIGHEST ANNUAL MEAN			30.8
LOWEST ANNUAL MEAN			12.1
HIGHEST DAILY MEAN	701	366	2610
LOWEST DAILY MEAN	1.3	.77	.77
ANNUAL SEVEN-DAY MINIMUM	1.5	.93	.93
MAXIMUM PEAK FLOW		1390	5680*
MAXIMUM PEAK STAGE		8.72	15.41*
INSTANTANEOUS LOW FLOW		.55	.55
ANNUAL RUNOFF (CFSM)	.94	.63	1.13
ANNUAL RUNOFF (INCHES)	12.87	8.61	15.30
10 PERCENT EXCEEDS	38	21	40
50 PERCENT EXCEEDS	5.1	3.7	6.8
90 PERCENT EXCEEDS	2.1	1.6	2.6

e Estimated.

* See REMARKS.

0214645022 BRIAR CREEK ABOVE COLONY ROAD AT CHARLOTTE, NC--Continued

