

SANTEE RIVER BASIN

02146562 CAMPBELL CREEK NEAR CHARLOTTE, NC

LOCATION.--Lat 35°11'12", long 80°44'12", North American Datum of 1983, Mecklenburg County, Hydrologic Unit 03050103, on right bank upstream side culvert on Secondary Road 3150, 2.3 mi upstream from mouth, and 6.0 mi east of Charlotte.

DRAINAGE AREA.--5.6 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 663.92 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No flow also occurred Aug. 10-14, 2002.

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	0.07	0.15	0.23	0.72	2.9	0.89	15	1.7	0.63	0.41	0.01	6.5
2	0.06	15	0.21	0.68	1.3	59	3.4	0.74	0.51	0.43	2.6	1.0
3	0.07	1.0	0.24	e1.6	1.1	24	2.6	2.5	0.36	0.21	0.61	0.43
4	0.07	0.23	0.20	e1.7	0.99	4.3	1.8	16	0.32	0.16	0.09	0.28
5	0.07	0.22	0.22	1.3	1.00	2.1	1.6	1.9	0.30	0.15	0.04	0.20
6	5.4	0.20	0.20	27	7.0	1.6	1.5	0.99	9.1	0.12	0.05	0.16
7	0.25	0.20	0.21	3.9	24	1.3	1.5	0.87	2.5	0.14	0.01	0.15
8	0.13	0.23	0.22	1.5	8.9	1.2	1.4	0.74	0.47	0.14	0.00	0.12
9	0.08	0.20	0.23	1.1	2.7	1.2	1.8	0.65	0.34	0.14	0.01	0.11
10	0.11	0.22	38	0.94	4.7	1.1	3.4	1.3	0.30	0.15	0.00	0.11
11	0.11	0.21	11	0.80	2.2	0.99	1.4	2.0	0.25	0.16	0.00	0.10
12	0.13	0.21	1.4	1.5	1.5	11	1.9	0.72	0.22	0.11	0.00	0.08
13	0.11	0.21	1.4	2.2	1.3	10	1.5	15	0.23	2.3	0.00	0.13
14	3.3	0.21	0.90	0.89	1.2	2.8	1.3	2.1	0.24	18	0.00	4.0
15	0.27	0.19	0.62	0.77	1.1	1.7	1.5	0.72	0.20	1.2	1.3	30
16	0.13	0.22	0.56	0.72	1.1	2.5	1.3	0.58	0.16	0.33	14	8.6
17	0.17	0.21	6.1	0.77	0.99	18	1.1	0.55	0.16	0.20	32	0.80
18	0.17	0.19	5.7	0.73	0.95	4.2	1.0	5.0	1.0	0.17	2.2	0.40
19	0.18	0.20	0.95	80	0.95	2.2	0.99	0.73	0.50	0.13	1.6	0.30
20	0.18	0.21	0.72	14	1.3	3.6	0.97	0.53	0.22	0.21	0.21	0.22
21	0.18	0.23	0.58	12	1.2	19	0.92	0.48	0.24	0.13	0.04	0.19
22	0.18	0.20	0.55	3.2	1.1	3.5	0.88	0.43	0.17	0.09	0.01	0.32
23	0.19	0.40	0.56	87	1.1	2.0	0.83	0.41	0.19	0.09	0.01	0.18
24	0.19	3.1	1.9	10	1.0	1.6	0.82	0.44	0.19	6.7	0.31	0.16
25	21	0.15	0.61	21	0.97	1.5	2.0	0.44	1.8	1.3	3.0	0.16
26	0.43	0.21	0.55	3.7	0.98	5.1	0.83	0.36	8.3	0.28	0.60	9.2
27	0.29	0.23	0.58	2.2	0.92	2.3	0.79	0.32	1.3	0.12	2.9	3.8
28	0.28	0.21	0.61	1.6	0.89	1.4	0.83	0.30	0.68	0.07	7.1	0.75
29	0.24	0.20	0.69	1.4	---	1.3	0.79	0.29	0.34	0.06	0.53	0.29
30	0.25	0.18	0.77	1.2	---	4.4	0.74	37	0.23	0.04	0.18	0.22
31	0.31	---	0.77	3.4	---	21	---	2.5	---	0.01	159	---
TOTAL	34.60	24.82	77.48	289.52	75.34	216.78	56.39	98.29	31.45	33.75	228.41	68.96
MEAN	1.116	0.827	2.499	9.339	2.691	6.993	1.880	3.171	1.048	1.089	7.368	2.299
MAX	21	15	38	87	24	59	15	37	9.1	18	159	30
MIN	0.06	0.15	0.20	0.68	0.89	0.89	0.74	0.29	0.16	0.01	0.00	0.08
CFSM	0.20	0.15	0.45	1.67	0.48	1.25	0.34	0.57	0.19	0.19	1.32	0.41
IN.	0.23	0.16	0.51	1.92	0.50	1.44	0.37	0.65	0.21	0.22	1.52	0.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

	1999	2000	2001	2002	1999	2000	2001	2002	1999	2000	2001	2002
MEAN	4.043	2.446	2.287	6.847	5.168	7.751	4.234	3.149	2.191	3.564	3.872	6.884
MAX	10.5	3.44	2.50	9.34	8.77	10.9	8.31	3.34	3.69	6.14	7.37	14.1
(WY)	2000	2001	2002	2002	2000	2001	2000	2000	2001	2000	2002	2000
MIN	0.54	0.83	1.90	2.88	2.69	5.35	1.88	2.94	1.05	1.09	0.98	2.30
(WY)	2001	2002	2001	2001	2002	2000	2002	2001	2002	2002	2001	2002

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1999 - 2002

ANNUAL TOTAL	1240.02	1235.79
ANNUAL MEAN	3.397	3.386
HIGHEST ANNUAL MEAN		4.463
LOWEST ANNUAL MEAN		6.49
HIGHEST DAILY MEAN		3.39
LOWEST DAILY MEAN	87 Mar 29	159 Aug 31
ANNUAL SEVEN-DAY MINIMUM	0.05 Aug 26	0.00 Aug 8
MAXIMUM PEAK FLOW	0.07 Sep 29	0.00 Aug 8
MAXIMUM PEAK STAGE		564 Aug 31
INSTANTANEOUS LOW FLOW		4.88 Aug 31
ANNUAL RUNOFF (CFSM)	0.61	0.00* Aug 8
ANNUAL RUNOFF (INCHES)	8.24	0.60
10 PERCENT EXCEEDS	6.3	8.21
50 PERCENT EXCEEDS	0.89	6.6
90 PERCENT EXCEEDS	0.16	0.72
		0.12

e Estimated.  
\* See REMARKS.

02146562 CAMPBELL CREEK NEAR CHARLOTTE, NC--Continued

