

## SANTEE RIVER BASIN

021473428 WILDCAT CREEK BELOW ROCK HILL, SC

LOCATION.--Lat 34°53'22"', long 81°04'10"', York County, Hydrologic Unit 03050103, at downstream side of bridge on SSR 998, and 2.5 mi southwest of Rock Hill.

DRAINAGE AREA.--29.7 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1998 to September 2000 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 512 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	3.5	4.4	4.7	65	9.1	8.8	10	4.3	4.0	21	32
2	2.0	30	4.4	4.5	45	8.4	13	8.6	3.7	3.3	8.9	482
3	1.8	11	4.3	4.8	30	7.7	12	12	3.4	2.0	5.3	186
4	3.8	5.6	4.2	7.2	27	98	9.7	8.9	3.1	1.6	31	362
5	3.4	4.6	4.7	6.1	20	72	8.2	7.7	30	1.4	7.2	159
6	2.4	4.3	e4.5	5.5	15	25	7.8	7.1	17	1.9	4.5	32
7	2.1	4.5	4.4	5.6	12	16	7.4	6.7	6.2	1.2	3.6	14
8	1.9	5.3	e4.2	5.3	11	13	17	6.2	4.7	1.9	2.9	e8.5
9	1.8	5.0	4.2	6.8	11	11	14	6.1	4.3	1.6	2.2	e6.5
10	78	4.6	10	94	9.9	9.9	8.8	5.9	4.0	1.4	27	e5.7
11	130	4.3	6.1	39	9.0	10	7.6	5.5	3.5	1.1	5.8	4.8
12	19	4.8	4.8	13	143	13	7.1	5.5	3.2	27	3.4	4.6
13	10	3.7	7.7	8.5	90	8.5	10	5.2	3.0	9.1	2.5	4.1
14	6.1	4.1	23	6.9	439	7.7	15	5.1	3.9	4.0	2.0	3.6
15	4.8	5.0	e8.6	5.9	108	7.5	129	4.8	4.4	2.8	1.8	3.0
16	3.9	4.4	6.0	5.6	39	18	59	4.8	5.5	2.1	1.6	3.5
17	3.8	4.1	5.2	5.5	24	14	24	4.7	3.4	1.8	1.2	2.9
18	3.5	3.9	4.9	6.7	28	8.8	22	4.5	2.9	1.3	1.3	9.0
19	3.2	3.9	5.7	e5.8	20	7.7	15	4.6	2.8	1.9	1.6	33
20	14	4.2	6.9	e5.3	15	319	12	4.3	4.3	1.7	1.1	7.2
21	15	e4.1	13	3.3	12	124	9.6	4.4	2.7	4.9	1.0	5.6
22	6.1	e4.0	e12	2.7	11	38	8.1	4.4	2.4	11	.75	81
23	4.7	e4.0	e7.1	74	9.8	21	7.7	4.3	2.1	9.8	.63	527
24	3.6	4.2	e6.1	49	9.7	15	15	4.5	1.9	100	3.0	70
25	3.6	4.7	e5.2	98	9.4	13	68	4.6	1.9	7.9	5.1	63
26	3.6	e61	e5.0	43	8.5	18	27	6.3	4.6	5.1	71	117
27	3.5	e48	e5.4	15	13	16	16	4.8	6.2	3.8	17	24
28	3.6	e13	5.1	8.8	17	16	16	4.4	4.8	3.2	5.8	12
29	3.5	e8.5	5.0	7.2	11	11	14	6.0	11	2.9	3.7	9.3
30	3.7	e6.0	4.9	151	---	9.6	14	4.4	5.5	2.5	2.7	7.6
31	3.4	---	4.9	e135	---	9.5	---	4.4	---	2.7	13	---
TOTAL	352.5	278.3	201.9	833.7	1262.3	975.4	602.8	180.7	160.7	226.9	259.58	2279.9
MEAN	11.4	9.28	6.51	26.9	43.5	31.5	20.1	5.83	5.36	7.32	8.37	76.0
MAX	130	61	23	151	439	319	129	12	30	100	71	527
MIN	1.8	3.5	4.2	2.7	8.5	7.5	7.1	4.3	1.9	1.1	.63	2.9
CFSM	.38	.31	.22	.91	1.47	1.06	.68	.20	.18	.25	.28	2.56
IN.	.44	.35	.25	1.04	1.58	1.22	.76	.23	.20	.28	.33	2.86

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

	1999	2000	2000	2000	1999	1999	1999	2000	2000	1999	1999	1999
MEAN	10.7	9.48	15.5	44.1	42.8	25.7	18.6	8.07	5.74	5.86	5.74	40.8
MAX	11.4	9.69	24.6	61.4	43.5	31.5	20.1	10.3	6.12	7.32	8.37	76.0
(WY)	2000	1999	1999	1999	2000	2000	2000	1999	1999	2000	2000	2000
MIN	10.1	9.28	6.51	26.9	42.1	20.0	17.2	5.83	5.36	4.41	3.10	5.50
(WY)	1999	2000	2000	2000	1999	1999	1999	2000	2000	1999	1999	1999

SUMMARY STATISTICS		021473428 WILDCAT CREEK BELOW ROCK HILL, SC--Continued		WATER YEARS 1999 - 2000	
		FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL		5949.82	7614.68		
ANNUAL MEAN		16.3	20.8	19.3	
HIGHEST ANNUAL MEAN				20.8	2000
LOWEST ANNUAL MEAN				17.8	1999
HIGHEST DAILY MEAN		455	527	527	Sep 23 2000
LOWEST DAILY MEAN		.50	.63	.50	Aug 8 1999
ANNUAL SEVEN-DAY MINIMUM		.62	1.1	.62	Aug 6 1999
INSTANTANEOUS PEAK FLOW			917	917	Sep 4 2000
INSTANTANEOUS PEAK STAGE			9.79	9.79	Sep 4 2000
ANNUAL RUNOFF (CFSM)		.55	.70	.65	
ANNUAL RUNOFF (INCHES)		7.45	9.54	8.82	
10 PERCENT EXCEEDS		28	39	32	
50 PERCENT EXCEEDS		6.3	6.0	7.2	
90 PERCENT EXCEEDS		1.6	2.5	2.0	

e Estimated

