

SANTEE RIVER BASIN

021473426 TOOLS FORK CREEK NEAR ROCK HILL, SC

LOCATION.--Lat 34°55'49"', long 81°05'09"', York County, Hydrologic Unit 03050103, at upstream side of bridge on State Highway 5, 7.2 mi east of York, and 3.0 mi west of Rock Hill.

DRAINAGE AREA.--9.60 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Data collection platform. Elevation of gage is 558 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, and discharges from July 1-September 30, 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	.38	1.2	1.8	1.6	13	4.3	3.0	3.8	.57	.38	1.6	42
2	.33	4.7	1.8	1.6	10	4.1	3.1	3.3	.52	.33	.80	132
3	.33	2.4	1.7	1.6	7.9	3.5	3.6	3.9	.47	.29	.68	13
4	.61	1.8	1.6	2.1	7.4	23	3.2	3.2	.53	.26	9.6	68
5	.61	1.6	1.6	2.1	5.9	9.2	2.7	2.8	8.4	.26	1.2	44
6	.42	1.6	1.7	1.9	4.9	4.7	2.6	2.5	2.5	.26	.78	5.8
7	.38	1.8	1.7	1.8	4.0	3.5	2.5	2.3	1.2	.24	.64	3.0
8	.38	1.6	1.5	1.5	3.4	3.0	5.3	2.1	.95	.22	.51	2.0
9	.37	1.5	1.6	1.6	3.2	2.7	4.9	2.1	.83	.20	.43	1.5
10	25	1.6	2.5	21	2.9	2.4	3.4	2.0	.71	.20	3.0	1.3
11	21	1.8	2.3	7.5	2.5	2.6	2.8	1.9	.59	.69	.76	1.2
12	2.2	1.9	2.1	4.3	22	2.7	2.7	1.8	.55	1.7	.55	1.1
13	1.2	2.0	2.2	3.3	11	2.5	2.7	1.7	.54	.35	.44	1.0
14	1.1	2.0	5.5	2.4	120	2.5	4.4	1.6	.58	.29	.40	1.0
15	.91	1.9	3.3	2.2	17	2.4	41	1.5	.77	.21	.36	.95
16	.86	1.9	2.8	2.0	9.6	3.6	15	1.5	.67	.16	.33	.98
17	.91	2.0	2.4	2.0	6.8	3.8	9.4	1.5	.49	.14	.30	.80
18	1.0	2.1	2.2	2.1	8.3	2.9	9.3	1.4	.45	.13	.27	2.9
19	.97	2.1	2.3	2.0	6.8	2.7	6.7	1.2	.42	.12	.24	8.5
20	2.1	2.1	2.6	2.5	5.6	89	5.3	1.1	.43	.11	.23	2.5
21	2.4	2.1	4.5	2.0	5.0	15	4.7	1.1	.39	.20	.26	1.9
22	1.4	2.1	5.1	1.9	4.7	8.3	4.2	1.0	.33	.14	.24	25
23	1.2	2.1	3.7	11	4.1	5.0	3.8	.92	.29	3.2	.22	169
24	e1.1	2.1	3.3	11	3.8	4.0	4.4	1.0	.27	4.9	.22	16
25	e1.1	2.1	2.8	17	3.8	3.5	8.5	1.1	.41	.67	.27	73
26	e1.1	6.4	2.7	9.8	3.6	3.7	6.1	1.4	.42	.51	63	35
27	e1.1	4.1	2.2	6.0	4.9	4.1	5.3	.97	.48	.44	2.6	6.8
28	e1.1	2.6	2.2	4.9	6.2	4.8	5.2	.92	.34	.38	1.2	4.4
29	e1.1	2.1	1.9	4.5	4.9	3.3	5.3	1.0	1.6	.35	.81	3.1
30	1.1	2.0	1.8	41	---	3.1	4.9	.74	.66	.32	.75	2.3
31	1.1	---	1.7	e22	---	3.3	---	.62	---	.31	1.1	---
TOTAL	74.86	67.3	77.1	198.2	313.2	233.2	186.0	53.97	27.36	17.96	93.79	670.03
MEAN	2.41	2.24	2.49	6.39	10.8	7.52	6.20	1.74	.91	.58	3.03	22.3
MAX	25	6.4	5.5	41	120	89	41	3.9	8.4	4.9	63	169
MIN	.33	1.2	1.5	1.5	2.5	2.4	2.5	.62	.27	.11	.22	.80
CFSM	.25	.23	.26	.67	1.12	.78	.65	.18	.09	.06	.32	2.33
IN.	.29	.26	.30	.77	1.21	.90	.72	.21	.11	.07	.36	2.60

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

	1999	2000	2000	2000	1999	1999	1999	2000	2000	2000	1999	1999
MEAN	2.48	2.80	4.11	10.7	10.7	6.51	5.48	2.20	1.30	.64	1.62	11.3
MAX	2.55	3.36	5.74	15.0	10.8	7.52	6.20	2.66	1.68	.70	3.03	22.3
(WY)	1999	1999	1999	1999	2000	2000	2000	1999	1999	1999	2000	2000
MIN	2.41	2.24	2.49	6.39	10.7	5.50	4.76	1.74	.91	.58	.21	.34
(WY)	2000	2000	2000	2000	1999	1999	1999	2000	2000	2000	1999	1999

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SUMMARY STATISTICS	021473426 TOOLS FORK CREEK NEAR ROCK HILL, SC--Continued		WATER YEARS 1999 - 2000	
	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL	1469.56	2012.97		
ANNUAL MEAN	4.03	5.50	4.95	
HIGHEST ANNUAL MEAN			5.50	2000
LOWEST ANNUAL MEAN			4.41	1999
HIGHEST DAILY MEAN	105	Jan 24	169	Sep 23 2000
LOWEST DAILY MEAN	.12	Sep 4	.11	Jul 20 2000
ANNUAL SEVEN-DAY MINIMUM	.14	Aug 29	.14	Aug 29 1999
INSTANTANEOUS PEAK FLOW			383	Sep 23 2000
INSTANTANEOUS PEAK STAGE			8.45	Sep 23 2000
ANNUAL RUNOFF (CFSM)	.42		.57	
ANNUAL RUNOFF (INCHES)	5.69		7.80	
10 PERCENT EXCEEDS	6.8		8.7	
50 PERCENT EXCEEDS	2.1		2.0	
90 PERCENT EXCEEDS	.20		.35	

e Estimated

