

SANTEE RIVER BASIN

02147500 ROCKY CREEK AT GREAT FALLS, SC

LOCATION.--Lat 34°33'55'', long 80°55'12'', Chester County, Hydrologic Unit 03050103, on left bank, 350 ft downstream from Turkey Branch, 1.0 mi west of Great Falls, and at mile 1.8.

DRAINAGE AREA.--194 mi².

PERIOD OF RECORD.--March 1951 to September 1981, October 1986 to current year.

GAGE.--Data collection platform. Elevation of gage is 299 ft above NGVD of 1929 (by barometer).

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

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	20	19	25	28	511	107	e44	9.1	11	29	71
2	12	20	19	25	28	784	94	e62	7.7	11	18	127
3	11	19	18	25	54	423	74	e59	7.0	73	12	51
4	11	19	19	25	76	237	64	e43	7.3	54	8.7	30
5	12	18	26	26	49	166	56	e27	7.4	28	6.3	22
6	12	19	29	31	53	134	50	26	6.4	27	4.9	17
7	16	19	22	31	521	113	49	24	6.3	24	3.8	221
8	23	20	21	25	210	93	49	22	9.9	21	3.1	4860
9	44	18	20	28	104	85	47	21	35	19	2.9	1660
10	33	17	27	33	78	79	44	20	37	19	2.6	316
11	27	18	97	28	66	71	44	18	17	12	2.6	198
12	29	18	53	26	195	66	44	23	10	29	4.7	114
13	22	18	36	25	367	61	54	26	7.9	11	14	77
14	20	16	92	25	185	57	90	20	9.8	7.0	296	59
15	23	15	147	25	418	57	69	18	22	5.5	203	47
16	19	17	66	24	429	75	57	17	83	4.1	71	42
17	17	17	51	22	209	70	48	16	34	3.5	44	656
18	17	18	51	27	142	60	43	15	15	28	50	336
19	16	24	43	30	114	56	41	15	10	26	35	114
20	15	42	37	26	95	52	39	17	9.6	12	25	68
21	15	31	32	23	82	71	e38	15	8.2	7.6	21	55
22	16	23	29	23	71	71	e38	14	12	5.7	19	47
23	14	21	29	23	63	56	e44	14	12	4.6	17	41
24	14	20	32	23	60	52	e37	13	13	3.9	17	36
25	14	19	30	26	57	50	35	12	20	3.2	13	31
26	15	19	27	31	64	49	e35	10	22	2.8	12	27
27	18	19	25	30	104	48	e42	9.2	17	4.8	10	45
28	19	21	25	32	169	51	e40	8.4	48	5.9	8.9	919
29	38	24	25	33	332	46	e33	8.1	25	16	9.0	321
30	41	20	26	34	---	48	e36	8.4	14	113	15	135
31	24	---	26	32	---	74	---	8.9	---	61	55	---
TOTAL	619	609	1199	842	4423	3866	1541	654.0	542.6	653.6	1033.5	10743
MEAN	20.0	20.3	38.7	27.2	153	125	51.4	21.1	18.1	21.1	33.3	358
MAX	44	42	147	34	521	784	107	62	83	113	296	4860
MIN	11	15	18	22	28	46	33	8.1	6.3	2.8	2.6	17
CFSM	0.10	0.10	0.20	0.14	0.79	0.64	0.26	0.11	0.09	0.11	0.17	1.85
IN.	0.12	0.12	0.23	0.16	0.85	0.74	0.30	0.13	0.10	0.13	0.20	2.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	136	104	153	317	348	397	253	107	85.8	89.4	103	100
MAX	1099	647	544	839	912	1160	791	347	614	679	1387	952
(WY)	1965	1958	1973	1978	1960	1980	1973	1971	1973	1959	1967	1987
MIN	2.11	10.8	22.2	27.2	51.4	49.6	50.7	18.9	7.69	7.00	4.46	0.86
(WY)	1955	1955	2002	2004	2001	1955	1995	2001	2002	2002	1957	1954

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	97794		26725.7		183	
ANNUAL MEAN	268		73.0		315	
HIGHEST ANNUAL MEAN					52.0 1973	
LOWEST ANNUAL MEAN					21100 2002	
HIGHEST DAILY MEAN	6510	Mar 20	4860	Sep 8	21100	Aug 24 1967
LOWEST DAILY MEAN	10	Sep 20	2.6 a	Aug 10	0.00 c	Aug 15 2002
ANNUAL SEVEN-DAY MINIMUM	12	Sep 15	3.5	Aug 6	0.03	Aug 11 2002
MAXIMUM PEAK FLOW			7910	Sep 8	31300	Aug 23 1967
MAXIMUM PEAK STAGE			8.93	Sep 8	18.82	Aug 23 1967
INSTANTANEOUS LOW FLOW			2.5 b	Aug 11	0.00 d	Aug 14 2002
ANNUAL RUNOFF (CFSM)	1.38		0.376		0.943	
ANNUAL RUNOFF (INCHES)	18.75		5.12		12.82	
10 PERCENT EXCEEDS	568		109		344	
50 PERCENT EXCEEDS	68		26		62	
90 PERCENT EXCEEDS	17		9.2		16	

- a Also occurred Aug. 11.
- b Also occurred Aug. 12
- c Also occurred Aug. 16, 2002.
- d Also occurred Aug. 15-17, 2002.
- e Estimated

