

SANTEE RIVER BASIN

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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 mi<sup>2</sup>.

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 good except for estimated daily discharges, which are poor.

Discharge, cubic feet per second  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	23	37	28	54	642	507	51	74	27	105	16
2	71	22	38	28	45	247	274	44	2180	42	62	13
3	61	21	36	28	88	159	176	40	3330	29	33	12
4	56	24	31	28	186	118	123	37	416	28	23	11
5	48	46	30	28	105	98	102	35	225	e23	19	9.4
6	41	37	31	28	75	81	87	41	151	19	17	8.1
7	37	28	34	28	63	72	81	35	142	18	16	8.1
8	34	24	36	28	56	164	98	32	255	19	21	8.1
9	31	22	33	28	53	216	432	30	120	19	23	7.3
10	31	20	135	26	56	119	188	30	87	16	24	6.7
11	27	21	176	26	47	94	120	34	65	16	59	6.4
12	26	25	83	26	43	78	116	31	56	26	25	5.7
13	27	64	61	26	41	67	574	27	53	24	19	5.3
14	32	44	50	300	44	66	392	26	48	34	50	5.2
15	29	31	42	218	73	67	230	26	41	23	73	5.1
16	25	27	38	102	66	312	149	24	34	18	38	5.1
17	21	26	37	75	72	1210	118	23	29	15	23	5.4
18	20	25	36	59	64	460	105	22	27	23	190	5.3
19	20	25	35	49	47	238	94	21	25	35	282	4.9
20	21	24	33	47	44	160	83	41	24	69	91	4.6
21	21	24	30	45	225	122	74	81	24	58	45	4.5
22	21	24	30	41	468	103	69	39	25	37	32	4.6
23	22	36	35	38	190	180	80	29	23	34	27	4.6
24	22	48	40	33	241	197	66	24	17	23	24	4.4
25	25	50	34	35	325	130	57	21	16	17	23	4.2
26	24	49	31	35	163	105	53	19	16	15	21	4.6
27	22	37	29	34	119	103	52	18	17	13	17	5.5
28	22	39	28	30	907	796	49	17	46	12	17	5.6
29	24	45	28	30	---	556	45	16	57	47	16	5.3
30	27	38	29	53	---	221	46	65	47	122	15	5.1
31	25	---	28	71	---	198	---	102	---	208	19	---
TOTAL	1003	969	1374	1651	3960	7379	4640	1081	7670	1109	1449	201.1
MEAN	32.4	32.3	44.3	53.3	141	238	155	34.9	256	35.8	46.7	6.70
MAX	90	64	176	300	907	1210	574	102	3330	208	282	16
MIN	20	20	28	26	41	66	45	16	16	12	15	4.2
CFSM	0.17	0.17	0.23	0.27	0.73	1.23	0.80	0.18	1.32	0.18	0.24	0.03
IN.	0.19	0.19	0.26	0.32	0.76	1.41	0.89	0.21	1.47	0.21	0.28	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

MEAN	134	102	151	312	344	394	251	106	89.2	88.3	101	98.5
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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02147500 ROCKY CREEK AT GREAT FALLS, SC--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1951 - 2005	
ANNUAL TOTAL	27644.7		32486.1		181	
ANNUAL MEAN	75.5		89.0		315	
HIGHEST ANNUAL MEAN					1973	
LOWEST ANNUAL MEAN					52.0	
HIGHEST DAILY MEAN	4860	Sep 8	3330	Jun 3	21100	Aug 24 1967
LOWEST DAILY MEAN	2.6	Aug 10	4.2 a	Sep 25	0.00 b	Aug 15 2002
ANNUAL SEVEN-DAY MINIMUM	3.5	Aug 6	4.5	Sep 20	0.03	Aug 11 2002
MAXIMUM PEAK FLOW			6630	Jun 3	31300	Aug 23 1967
MAXIMUM PEAK STAGE			8.26	Jun 3	18.82	Aug 23 1967
INSTANTANEOUS LOW FLOW			4.1	Sep 24	0.00 c	Aug 14 2002
ANNUAL RUNOFF (CFSM)	0.389		0.459		0.933	
ANNUAL RUNOFF (INCHES)	5.30		6.23		12.68	
10 PERCENT EXCEEDS	113		182		339	
50 PERCENT EXCEEDS	31		35		62	
90 PERCENT EXCEEDS	9.2		16		16	

a Also occurred Sep. 25.  
 b Also occurred Aug. 16, 2002  
 c Also occurred Aug. 15-17, 2002.

e Estimated

