

SANTEE RIVER BASIN

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021630967 GROVE CREEK NEAR PIEDMONT, SC

LOCATION.--Lat 34°40'51'', long 82°25'41'', Greenville County, Hydrologic Unit 03050109, on left downstream bank behind Grove Creek Wastewater Treatment Plant, 10.0 mi south of Greenville and 2.2 mi southeast of Piedmont.

DRAINAGE AREA.--19.1 mi².

PERIOD OF RECORD.--July 1994 to current year.

GAGE.--Data collection platform. Elevation of gage is 738 ft above NGVD of 1929 (from topographic map).

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	9.6	14	15	12	12	19	16	16	8.5	15	12	11
2	9.2	14	14	12	13	18	14	26	7.8	12	13	11
3	8.8	14	13	12	61	20	14	17	7.5	11	47	11
4	9.0	13	17	12	26	18	13	14	7.7	9.7	14	10
5	8.8	14	20	16	22	17	14	11	8.7	11	46	9.8
6	9.0	28	15	17	123	18	14	10	7.3	54	36	9.8
7	9.3	17	14	13	77	17	13	9.3	7.3	17	14	206
8	18	14	14	12	38	16	13	9.0	13	24	12	493
9	18	13	13	14	31	16	13	8.7	20	49	12	60
10	12	13	80	13	27	16	13	9.0	8.9	14	11	25
11	16	12	50	12	24	16	13	8.9	8.0	35	11	18
12	12	12	27	12	46	16	14	8.8	7.6	27	158	15
13	11	11	22	12	33	16	45	8.9	8.1	16	50	14
14	11	11	83	11	31	15	23	9.0	15	12	21	13
15	10	10	35	11	48	16	17	8.9	24	9.3	17	11
16	10	10	25	11	40	17	15	8.5	25	8.1	15	16
17	10	13	23	11	29	15	14	8.3	12	23	17	115
18	10	12	19	14	27	15	14	22	8.3	86	16	35
19	11	140	17	12	25	15	13	15	7.9	29	15	18
20	10	39	15	11	24	14	12	9.5	9.1	13	15	15
21	11	24	15	11	22	17	13	8.7	18	10	16	13
22	11	19	15	11	20	14	12	7.9	11	8.6	15	12
23	11	17	15	11	20	14	11	9.1	9.5	8.4	14	11
24	11	20	15	11	20	14	11	8.2	14	7.8	14	11
25	12	17	13	15	19	14	11	7.6	31	7.8	14	9.9
26	13	15	13	16	20	14	11	6.9	68	10	13	9.5
27	49	15	12	16	23	14	12	6.9	19	32	13	151
28	23	26	12	18	21	14	11	6.7	16	9.8	12	e680
29	18	20	12	16	19	13	10	6.6	13	91	12	64
30	15	16	13	15	---	23	10	11	17	32	12	35
31	14	---	12	14	---	19	---	11	---	16	11	---
TOTAL	410.7	613	678	404	941	500	429	328.4	438.2	708.5	698	2113.0
MEAN	13.2	20.4	21.9	13.0	32.4	16.1	14.3	10.6	14.6	22.9	22.5	70.4
MAX	49	140	83	18	123	23	45	26	68	91	158	680
MIN	8.8	10	12	11	12	13	10	6.6	7.3	7.8	11	9.5
CFSM	0.69	1.07	1.14	0.68	1.70	0.84	0.75	0.55	0.76	1.20	1.18	3.68
IN.	0.80	1.19	1.32	0.79	1.83	0.97	0.83	0.64	0.85	1.38	1.36	4.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	16.8	20.1	23.6	33.6	36.4	38.9	29.1	21.9	16.0	17.6	19.2	19.1
MAX	39.3	34.7	44.6	61.6	64.7	68.5	77.5	56.2	33.8	39.0	72.8	70.4
(WY)	2000	1996	2003	1998	1998	2003	1998	2003	2003	2003	1995	2004
MIN	4.52	9.01	11.5	13.0	12.7	16.1	12.9	8.51	5.02	4.36	3.37	7.23
(WY)	2001	2002	2002	2004	2001	2004	2002	2001	2002	2002	2002	1999

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021630967 GROVE CREEK NEAR PIEDMONT, SC--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	12229.3		8261.8		24.2	
ANNUAL MEAN	33.5		22.6		36.7	
HIGHEST ANNUAL MEAN					1998	
LOWEST ANNUAL MEAN					13.7	
HIGHEST DAILY MEAN	e 700	Mar 20	e 680	Sep 28	e 1000	Aug 27 1995
LOWEST DAILY MEAN	7.3	Sep 21	6.6	May 29	0.74	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	7.9	Sep 15	7.4	May 23	0.83	Aug 8 2002
MAXIMUM PEAK FLOW			Unknown	Sep 28	Unknown	Aug 27 1995
MAXIMUM PEAK STAGE			11.33	Sep 28	a 15.17	Aug 27 1995
ANNUAL RUNOFF (CFSM)	1.75		1.18		1.27	
ANNUAL RUNOFF (INCHES)	23.79		16.07		17.21	
10 PERCENT EXCEEDS	56		32		38	
50 PERCENT EXCEEDS	20		14		14	
90 PERCENT EXCEEDS	11		9.0		6.1	

a From floodmarks.
e Estimated

