

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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	8.5	10	34	21	46	33	25	21	60	104	12
2	7.6	7.7	10	25	19	36	32	38	21	500	168	11
3	7.1	7.3	10	28	17	28	31	34	56	57	59	11
4	6.9	7.5	12	21	23	25	31	27	43	29	31	11
5	6.6	28	163	20	18	24	38	39	25	24	23	11
6	6.4	76	47	20	17	154	36	159	32	22	19	10
7	6.2	19	26	19	47	51	291	119	102	37	18	10
8	6.1	14	21	18	24	35	90	52	69	21	18	10
9	6.1	11	18	18	20	29	74	38	33	19	16	9.7
10	6.4	11	18	17	27	26	121	33	26	19	16	9.1
11	6.3	73	94	16	21	24	80	32	33	20	17	8.7
12	6.0	163	31	16	18	23	49	30	36	28	16	8.4
13	9.5	46	133	16	18	23	40	27	55	24	16	8.3
14	6.6	24	58	16	18	22	35	26	27	22	15	8.7
15	42	18	30	15	19	25	33	26	24	17	18	9.0
16	107	104	25	15	41	37	33	25	22	16	22	8.2
17	19	71	21	16	36	27	34	77	21	15	22	7.9
18	12	30	19	15	25	92	65	36	21	14	26	7.7
19	9.6	24	18	14	22	136	38	34	99	19	78	7.5
20	8.4	19	75	15	21	e700	34	28	56	17	22	7.5
21	9.0	17	28	15	20	137	42	29	28	14	21	7.3
22	8.0	15	22	18	124	63	39	387	23	27	20	15
23	7.4	13	19	16	63	50	31	180	21	22	16	41
24	7.1	12	238	14	33	45	30	49	19	16	14	12
25	7.6	12	95	15	27	41	32	37	18	14	14	10
26	8.5	12	36	15	27	38	36	32	17	18	13	10
27	7.2	11	26	15	234	36	29	29	16	18	12	11
28	14	11	23	14	104	35	28	26	17	14	11	12
29	20	11	20	15	---	33	27	24	17	14	11	10
30	14	11	19	55	---	49	25	22	17	15	10	9.6
31	9.9	---	19	28	---	35	---	22	---	57	11	---
TOTAL	406.6	887.0	1384	594	1104	2125	1537	1742	1015	1209	877	324.6
MEAN	13.1	29.6	44.6	19.2	39.4	68.5	51.2	56.2	33.8	39.0	28.3	10.8
MAX	107	163	238	55	234	700	291	387	102	500	168	41
MIN	6.0	7.3	10	14	17	22	25	22	16	14	10	7.3
CFSM	0.69	1.55	2.33	1.00	2.06	3.59	2.68	2.94	1.77	2.04	1.48	0.57
IN.	0.79	1.73	2.69	1.16	2.15	4.13	2.99	3.39	1.97	2.35	1.71	0.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003		
MEAN	17.3	20.0	23.8	35.9	36.8	41.4	30.7	23.1	16.2	17.1	18.9	14.0
MAX	39.3	34.7	44.6	61.6	64.7	68.5	77.5	56.2	33.8	39.0	72.8	26.5
(WY)	2000	1996	2003	1998	1998	2003	1998	2003	2003	2003	1995	2002
MIN	4.52	9.01	11.5	17.1	12.7	17.0	12.9	8.51	5.02	4.36	3.37	7.23
(WY)	2001	2002	2002	2001	2001	1999	2002	2001	2002	2002	2002	1999

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021630967 GROVE CREEK NEAR PIEDMONT, SC--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	6832.07		13205.2		24.4	
ANNUAL MEAN	18.7		36.2		36.7	
HIGHEST ANNUAL MEAN					1998	
LOWEST ANNUAL MEAN					13.7	
HIGHEST DAILY MEAN	300	Sep 16	e 700	Mar 20	e 1000	Aug 27 1995
LOWEST DAILY MEAN	0.74	Aug 14	6.0	Oct 12	0.74	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	0.83	Aug 8	6.2	Oct 6	0.83	Aug 8 2002
MAXIMUM PEAK FLOW			Unknown	Mar 20	Unknown	Aug 27 1995
MAXIMUM PEAK STAGE			11.11	Mar 20	a 15.17	Aug 27 1995
ANNUAL RUNOFF (CFSM)	0.98		1.89		1.28	
ANNUAL RUNOFF (INCHES)	13.29		25.69		17.34	
10 PERCENT EXCEEDS	34		70		39	
50 PERCENT EXCEEDS	11		22		14	
90 PERCENT EXCEEDS	2.2		9.1		5.8	

a From floodmarks

e Estimated

