

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 4.0 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 sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, 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	7.4	13	15	12	24	14	17	15	6.5	5.5	7.1	4.4
2	6.3	30	15	11	21	14	26	14	6.2	4.7	6.1	4.0
3	6.0	11	14	13	19	14	41	14	6.0	4.4	6.8	4.2
4	135	9.1	13	17	18	24	26	21	6.0	3.9	18	9.2
5	51	9.3	12	14	16	18	20	15	7.2	3.7	12	6.5
6	14	9.3	39	13	16	16	19	13	7.4	3.4	6.2	4.6
7	11	8.8	18	12	16	15	18	13	6.0	3.3	6.1	4.4
8	9.9	8.4	14	11	15	14	17	13	6.1	3.0	5.5	4.4
9	9.1	8.6	14	14	15	15	17	13	5.8	3.0	5.0	3.8
10	178	8.6	16	167	15	14	16	12	5.2	3.0	7.5	3.6
11	544	8.9	14	41	14	26	16	11	5.0	e2.9	5.1	3.4
12	36	9.9	13	25	25	28	16	11	5.0	4.9	4.3	3.3
13	18	8.5	17	21	19	17	16	11	4.9	16	3.9	3.1
14	15	8.4	55	17	109	15	34	10	4.8	12	3.8	3.9
15	13	8.2	22	16	32	14	55	10	4.6	9.3	3.8	2.9
16	11	8.2	17	16	23	74	29	10	4.3	5.3	3.5	2.5
17	10	7.9	15	15	20	69	21	10	4.6	4.5	3.3	2.5
18	10	11	13	18	20	27	19	10	12	4.1	3.2	2.6
19	11	9.9	13	16	18	22	18	9.8	5.5	3.8	3.0	5.1
20	15	7.7	14	20	16	526	17	9.6	8.9	3.6	2.9	3.4
21	14	7.6	35	15	17	70	16	9.5	9.5	3.1	5.1	21
22	10	7.7	24	15	16	38	15	9.2	6.2	6.0	3.8	8.6
23	9.0	7.9	17	54	16	29	15	8.7	5.3	16	3.3	33
24	8.7	8.0	15	39	15	26	24	9.3	4.8	43	3.1	6.6
25	9.1	16	13	35	15	23	30	8.8	3.9	9.1	2.9	26
26	9.6	307	13	25	14	21	18	8.3	4.1	6.9	4.0	20
27	9.3	37	13	21	17	21	16	8.0	4.1	5.9	2.9	7.2
28	9.0	21	12	19	16	20	18	7.8	4.8	5.6	3.1	6.1
29	9.1	17	12	19	15	19	17	7.6	14	5.2	2.7	5.2
30	9.1	16	12	38	---	19	18	8.0	6.9	4.7	2.6	5.0
31	9.6	---	12	33	---	18	---	7.2	---	25	5.4	---
TOTAL	1217.2	649.9	541	802	612	1280	645	337.8	185.6	234.8	156.0	220.5
MEAN	39.3	21.7	17.5	25.9	21.1	41.3	21.5	10.9	6.19	7.57	5.03	7.35
MAX	544	307	55	167	109	526	55	21	14	43	18	33
MIN	6.0	7.6	12	11	14	14	15	7.2	3.9	2.9	2.6	2.5
CFSM	2.05	1.13	.91	1.35	1.10	2.16	1.12	.57	.32	.40	.26	.38
IN.	2.37	1.26	1.05	1.56	1.19	2.49	1.25	.66	.36	.46	.30	.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	21.8	21.8	24.3	42.6	43.6	40.8	32.9	21.4	16.0	13.3	21.5	12.5
MAX	39.3	34.7	31.6	61.6	64.7	61.7	77.5	38.7	28.7	22.9	72.8	21.9
(WY)	2000	1996	1998	1998	1998	1996	1998	1998	1997	1997	1995	1994
MIN	10.7	14.6	17.5	25.9	21.1	17.0	16.6	10.8	6.19	6.90	5.03	7.23
(WY)	1997	1999	2000	2000	2000	1999	1995	1995	2000	1995	2000	1999

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SUMMARY STATISTICS		021630967 GROVE CREEK NEAR PIEDMONT, SC--Continued		WATER YEARS 1994 - 2000	
		FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL		7069.5	6881.8		
ANNUAL MEAN		19.4	18.8	25.8	
HIGHEST ANNUAL MEAN				36.7	1998
LOWEST ANNUAL MEAN				17.1	1999
HIGHEST DAILY MEAN		544	544	1000	Aug 27 1995
LOWEST DAILY MEAN		2.5	2.5 a	2.5	Sep 18 1999
ANNUAL SEVEN-DAY MINIMUM		2.9	3.0	2.9	Sep 14 1999
INSTANTANEOUS PEAK FLOW			1000	unknown	Aug 27 1995
INSTANTANEOUS PEAK STAGE			11.00	b 15.17	Aug 27 1995
ANNUAL RUNOFF (CFSM)		1.01	.98	1.35	
ANNUAL RUNOFF (INCHES)		13.75	13.39	18.31	
10 PERCENT EXCEEDS		28	26	39	
50 PERCENT EXCEEDS		13	12	15	
90 PERCENT EXCEEDS		4.5	3.9	6.9	

a Also occurred Sep. 17.
 b From floodmarks.

e Estimated

