

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.--19.12 mi<sup>2</sup>.

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 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	15	21	18	19	34	53	23	68	14	14	7.4
2	21	17	17	17	18	27	40	20	105	13	12	7.0
3	22	20	16	17	62	24	30	19	36	13	11	6.9
4	18	55	15	16	30	23	27	18	28	14	10	6.5
5	17	25	15	16	23	21	26	18	23	13	10	6.2
6	16	17	30	17	20	20	24	18	27	13	12	6.1
7	16	16	37	17	19	20	26	17	32	368	16	6.1
8	16	15	22	17	19	38	82	16	26	61	16	6.0
9	15	14	132	17	19	23	45	16	31	29	13	5.9
10	15	14	e617	17	18	21	31	18	30	20	12	5.6
11	15	15	67	16	17	20	28	19	24	19	12	5.5
12	16	30	36	16	17	19	38	16	21	21	13	5.6
13	17	21	28	18	17	19	51	16	23	23	11	5.6
14	15	17	23	73	20	23	33	45	19	22	12	5.5
15	15	16	e22	23	19	20	27	30	17	21	12	5.4
16	15	16	e22	20	18	40	24	20	16	19	10	5.4
17	15	15	e21	19	17	32	23	17	15	15	11	5.2
18	15	14	e20	18	16	26	23	16	15	14	14	5.1
19	19	14	e19	17	16	23	22	16	18	13	12	5.2
20	17	15	e18	18	17	22	21	472	16	12	9.9	5.3
21	16	15	18	17	82	20	20	80	17	12	33	5.2
22	16	16	18	17	59	29	33	38	16	12	24	5.1
23	16	18	95	17	30	69	30	28	14	12	11	5.3
24	20	34	35	16	47	32	21	24	13	11	11	5.0
25	17	30	25	17	30	26	20	22	13	11	9.3	5.0
26	16	19	22	17	25	23	23	21	16	11	8.5	5.3
27	16	17	21	16	23	56	25	20	23	10	8.1	5.6
28	16	20	20	16	72	484	21	19	31	11	8.0	5.5
29	16	16	19	17	---	69	20	18	17	19	7.7	6.6
30	16	16	19	30	---	40	28	20	15	16	8.0	5.8
31	15	---	18	23	---	89	---	19	---	16	9.0	---
TOTAL	519	582	1508	610	789	1432	915	1159	765	878	380.5	171.9
MEAN	16.7	19.4	48.6	19.7	28.2	46.2	30.5	37.4	25.5	28.3	12.3	5.73
MAX	24	55	617	73	82	484	82	472	105	368	33	7.4
MIN	15	14	15	16	16	19	20	16	13	10	7.7	5.0
CFSM	0.88	1.01	2.54	1.03	1.47	2.42	1.60	1.96	1.33	1.48	0.64	0.30
IN.	1.01	1.13	2.93	1.19	1.54	2.79	1.78	2.25	1.49	1.71	0.74	0.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	16.8	20.0	25.8	32.4	35.7	39.6	29.2	23.3	16.9	18.6	18.6	18.0
MAX	39.3	34.7	48.6	61.6	64.7	68.5	77.5	56.2	33.8	39.0	72.8	70.4
(WY)	2000	1996	2005	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	5.73
(WY)	2001	2002	2002	2004	2001	2004	2002	2001	2002	2002	2002	2005

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1994 - 2005	
ANNUAL TOTAL	9169.1		9709.4		24.4	
ANNUAL MEAN	25.1		26.6		36.7	
HIGHEST ANNUAL MEAN					1998	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	e 680	Sep 28	e 617	Dec 10	e 1000	Aug 27 1995
LOWEST DAILY MEAN	6.6	May 29	5.0 a	Sep 24	0.74	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	7.4	May 23	5.2	Sep 19	0.83	Aug 8 2002
MAXIMUM PEAK FLOW			Unknown	Dec 10	Unknown	Aug 27 1995
MAXIMUM PEAK STAGE			11.41	Dec 10	b 15.17	Aug 27 1995
ANNUAL RUNOFF (CFSM)	1.31		1.39		1.28	
ANNUAL RUNOFF (INCHES)	17.84		18.89		17.36	
10 PERCENT EXCEEDS	34		35		38	
50 PERCENT EXCEEDS	15		18		15	
90 PERCENT EXCEEDS	9.1		9.2		6.1	

a Also occurred on Sep. 25.  
 b From floodmarks.  
 e Estimated

