

SANTÉE RIVER BASIN

02166501 LAKE GREENWOOD TAILRACE NEAR CHAPPELLS, SC

LOCATION.--Lat 34°10'10'', long 81°54'10'', Newberry County, Hydrologic Unit 03050109, on left wingwall at downstream side of gated spillway, 200 ft below dam, on Saluda River, 0.7 mi upstream from Wilson Creek and 2.4 mi west of Chappells.

DRAINAGE.--1,170 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1996 to current year. Gage-height records only are available for the period of May 1977 to September 1996.

GAGE.--Data collection platform. Datum of gage is 370.00 ft above NGVD of 1929.

REMARKS.--Records good except for July 18 to September 30, which are fair and 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	4140	994	1410	1920	1190	3200	6620	2040	1590	4170	2480	683
2	3490	990	1420	1500	1410	2450	4740	1790	5170	3690	1930	606
3	3810	1090	1370	1340	2360	1560	4480	1310	5450	2950	1260	589
4	3310	1180	1330	1410	2670	1130	4420	1310	4560	2310	1550	593
5	2000	2550	1340	1410	1820	1110	4380	1300	3400	1770	1550	597
6	1250	3920	1350	2170	1450	1100	3630	1300	2100	1710	1260	578
7	1190	2450	1350	2180	1290	1100	2480	1300	1300	3350	1120	558
8	1090	1990	1340	1430	1030	1910	2460	1290	2070	4450	1070	562
9	1050	1930	2180	1430	1080	2110	4000	979	2140	9730	1240	568
10	1050	1320	3550	1520	1440	1540	3490	1160	2630	4590	1270	572
11	1050	1670	4540	1560	1380	1170	2450	1260	2450	4240	1520	570
12	1050	2160	4430	2240	1200	1030	1500	1280	1780	4180	1530	564
13	1050	2620	4390	2000	1100	1020	3430	1200	1380	2700	1260	564
14	1070	1770	4370	2700	1060	1010	4430	1400	1970	2460	1260	558
15	1080	1320	4370	3140	1090	1280	3650	1230	3240	e2420	1540	560
16	1080	2010	4300	3030	1070	2060	2570	1260	2190	2220	1580	557
17	964	1680	3800	3000	1050	3420	1900	1310	1350	2010	1410	557
18	803	1320	2640	2290	1020	2970	1390	1330	1350	1570	1170	552
19	759	1620	1850	2200	1020	2390	1400	1330	2000	1250	1250	552
20	743	1350	1370	1970	1030	1310	2340	2980	1850	1250	1250	564
21	750	1340	1370	1840	1850	946	1860	3970	1350	1290	1160	566
22	800	1350	1370	1560	3800	996	1390	3700	1310	1610	1150	558
23	e830	2500	1360	1560	3900	2100	1510	2860	1250	1240	1200	552
24	e941	2650	1940	1560	4770	2620	2270	1660	1230	1240	1120	559
25	1020	2610	2810	1480	4870	1970	2090	1150	1230	1850	1110	556
26	1080	2400	2790	1480	3770	1450	1340	928	1230	1820	1110	559
27	1100	1720	3140	1530	2420	2130	1340	915	1250	1660	1110	554
28	1100	1410	3440	1770	3080	4630	1660	908	1910	1060	2900	560
29	1060	2160	3200	2010	---	7610	1630	911	3550	1050	4080	578
30	1010	2130	2300	1920	---	7630	1320	1240	4170	1230	1880	584
31	999	---	1970	1560	---	4780	---	1390	---	1270	793	---
TOTAL	42719	56204	78390	58710	55220	71732	82170	47991	68450	78340	46113	17130
MEAN	1378	1873	2529	1894	1972	2314	2739	1548	2282	2527	1488	571
MAX	4140	3920	4540	3140	4870	7630	6620	3970	5450	9730	4080	683
MIN	743	990	1330	1340	1020	946	1320	908	1230	1050	793	552
CFSM	1.18	1.60	2.16	1.62	1.69	1.98	2.34	1.32	1.95	2.16	1.27	0.49
IN.	1.36	1.79	2.49	1.87	1.76	2.28	2.61	1.53	2.18	2.49	1.47	0.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

	878	1017	1494	2006	1980	2170	2014	1544	1204	1179	833	1196
MEAN	878	1017	1494	2006	1980	2170	2014	1544	1204	1179	833	1196
MAX	1378	1873	2529	3948	5071	4283	4972	3316	2476	2837	1995	4047
(WY)	2005	2005	2005	1998	1998	2003	1998	2003	2003	2003	2003	2004
MIN	350	339	527	1146	527	776	800	660	378	257	264	314
(WY)	2001	2002	2002	2001	2001	2004	2004	2001	2002	2002	2002	1999

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	565470		703169		1457	
ANNUAL MEAN	1545		1926		2468	
HIGHEST ANNUAL MEAN					688	
LOWEST ANNUAL MEAN					17000	
HIGHEST DAILY MEAN	13600	Sep 29	9730	Jul 9	17000	Mar 21 2003
LOWEST DAILY MEAN	430	Mar 28	552	a Sep 18	216	Dec 4 2001
ANNUAL SEVEN-DAY MINIMUM	527	Mar 24	557	Sep 22	248	Sep 8 2002
MAXIMUM PEAK FLOW			11000	Jul 9	Unknown	Aug 28 1995
MAXIMUM PEAK STAGE			20.69	Jul 9	32.89	Aug 28 1995
ANNUAL RUNOFF (CFSM)	1.32		1.65		1.25	
ANNUAL RUNOFF (INCHES)	17.98		22.36		16.92	
10 PERCENT EXCEEDS	3060		3800		3190	
50 PERCENT EXCEEDS	1100		1450		981	
90 PERCENT EXCEEDS	577		819		426	

a Also occurred Sep. 19, 23.

e Estimated

