

SANTÉE RIVER BASIN

02166501 LAKE GREENWOOD TAILRACE NEAR CHAPPELLES, 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 ft above NGVD of 1929.

REMARKS.--Records good except for October 1 to December 25, 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	797	1000	864	3040	1890	2790	2620	2330	1190	1820	2260	1850
2	569	971	595	3060	1520	2790	2600	1620	1190	6950	2810	2300
3	566	534	561	3040	969	2740	2590	1250	1920	9060	3350	1970
4	546	514	866	3030	699	2710	2590	1250	2580	8310	3810	2060
5	546	801	1210	3020	713	2700	2590	2020	2560	4440	3870	1810
6	551	1220	2000	3000	1230	4550	2600	2410	2840	3860	3300	1760
7	553	1230	2390	3000	1570	10200	2860	2540	4230	3710	2640	1760
8	560	1800	2380	1960	1560	6010	3070	4690	4660	2840	1860	1240
9	556	1650	1910	2120	1520	2880	3320	4360	4130	1530	1300	1010
10	518	781	1200	2210	1600	2750	6880	2770	3760	2380	1310	1060
11	515	1150	1200	1280	1590	2720	6760	2370	3630	3270	1320	1010
12	510	2000	2000	1280	1530	2700	5220	2380	3150	2730	2050	1020
13	514	2720	2740	2070	1400	2690	3780	2380	2630	2710	2480	995
14	526	2740	3070	1050	1350	2680	2810	2370	2760	3040	2100	922
15	523	2350	2870	1300	1330	2720	2660	2380	2740	2670	1660	1110
16	988	2240	2790	1300	1390	2780	2650	2380	2270	1110	1630	1670
17	2060	2850	2760	2000	1610	2710	2640	2380	2170	1660	2530	1160
18	2310	2810	2750	2290	1470	2820	7600	2400	2500	2390	2470	840
19	2160	2750	1900	1180	1300	2830	6990	2420	2570	2390	2460	842
20	1490	2720	1450	689	1780	10100	2990	2430	3140	2390	3060	919
21	751	1880	2010	1240	2610	17000	2740	1650	2840	1170	2780	1070
22	555	1420	2610	1280	2930	12400	3810	3890	2480	1540	1560	1110
23	513	800	1870	1290	3660	5790	2880	14500	2000	2630	1160	1300
24	529	876	2630	1300	3010	4200	2670	10800	1410	2650	1160	1380
25	539	1230	4210	1290	2700	3160	2650	4880	1410	1720	1160	2200
26	508	861	3570	1290	2650	2580	2650	2980	1330	1440	1160	2550
27	510	544	3000	1280	2680	2570	2630	3060	1310	1430	1160	2530
28	515	572	2920	1290	2780	2580	2610	3720	1370	1660	1410	1660
29	1360	584	2940	1280	---	2420	2600	3570	1700	1370	670	920
30	1020	953	3030	1990	---	2560	2430	2970	1800	1750	676	640
31	582	---	3040	2740	---	2640	---	1650	---	1330	681	---
TOTAL	24740	44551	69336	58189	51041	132770	103490	102800	74270	87950	61847	42668
MEAN	798	1485	2237	1877	1823	4283	3450	3316	2476	2837	1995	1422
MAX	2310	2850	4210	3060	3660	17000	7600	14500	4660	9060	3870	2550
MIN	508	514	561	689	699	2420	2430	1250	1190	1110	670	640
CFSM	0.68	1.27	1.91	1.60	1.56	3.66	2.95	2.83	2.12	2.42	1.71	1.22
IN.	0.79	1.42	2.20	1.85	1.62	4.22	3.29	3.27	2.36	2.80	1.97	1.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
MEAN	814	884	1351	2101	1976	2348	2084	1644	1084	1001	735	879
MAX	1175	1544	2237	3948	5071	4283	4972	3316	2476	2837	1995	1422
(WY)	1998	1998	2003	1998	1998	2003	1998	2003	2003	2003	2003	2003
MIN	350	339	527	1146	527	892	889	660	378	257	264	314
(WY)	2001	2002	2002	2001	2001	1999	2002	2001	2002	2002	2002	

02166501 LAKE GREENWOOD TAILRACE NEAR CHAPPELLE, SC--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	350712		853652		1406	
ANNUAL MEAN	961		2339		2468	
HIGHEST ANNUAL MEAN					688	
LOWEST ANNUAL MEAN					17000	
HIGHEST DAILY MEAN	4210	Dec 25	17000	Mar 21	17000	Mar 21 2003
LOWEST DAILY MEAN	240	Sep 10	508	Oct 26	216	Dec 4 2001
ANNUAL SEVEN-DAY MINIMUM	248	Sep 8	523	Oct 9	248	Sep 8 2002
MAXIMUM PEAK FLOW			17900	a Mar 20	Unknown	Aug 28 1995
MAXIMUM PEAK STAGE			27.92	a Mar 20	32.89	Aug 28 1995
ANNUAL RUNOFF (CFSM)	0.82		2.00		1.20	
ANNUAL RUNOFF (INCHES)	11.15		27.14		16.33	
10 PERCENT EXCEEDS	2490		3640		3170	
50 PERCENT EXCEEDS	579		2200		834	
90 PERCENT EXCEEDS	259		736		354	

a Also occurred Mar. 21.

