

## SANTEE RIVER BASIN

02166501 LAKE GREENWOOD TAILRACE NEAR CHAPPELLE, 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 mi<sup>2</sup>.

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 sea level.

REMARKS.--Records fair.

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	1640	545	572	574	1530	869	572	1390	491	393	318	338
2	856	554	571	905	1890	524	571	1070	462	395	467	331
3	509	606	1350	1180	964	684	902	1250	491	391	521	325
4	499	589	985	1660	851	525	2470	1070	488	390	514	334
5	1140	858	584	1490	558	574	1630	1080	486	389	1090	325
6	2050	537	587	1230	551	649	1730	1260	488	368	976	375
7	1310	539	979	1220	545	536	1080	981	490	319	463	396
8	504	543	950	1220	541	531	613	622	488	316	380	401
9	505	543	587	1220	993	632	969	591	487	315	494	399
10	509	548	662	3180	536	521	1230	718	486	315	513	392
11	2260	749	596	3350	534	526	989	576	488	359	520	383
12	3610	554	599	2640	943	636	742	710	488	361	521	729
13	3660	544	1010	2230	549	534	961	575	488	290	522	954
14	3650	542	1230	1090	3180	910	1230	573	487	330	327	631
15	2670	549	1240	635	3730	1100	1260	893	460	310	339	357
16	525	552	1870	1390	2230	948	1950	511	387	295	286	839
17	523	553	1450	1910	1200	811	1560	550	386	288	308	717
18	525	555	764	1350	976	1430	1250	641	385	285	313	430
19	954	557	1090	1600	1220	1750	1250	517	367	284	313	423
20	813	554	1110	1760	768	2790	1250	504	310	284	313	430
21	528	553	1220	878	534	3430	1250	626	409	284	311	921
22	532	557	1300	551	531	4200	975	502	374	285	815	1920
23	532	560	1310	2730	529	3970	578	503	306	285	327	3190
24	532	561	1050	4370	779	3920	576	503	301	285	314	3520
25	533	564	595	3230	904	3900	2080	503	296	378	349	2650
26	532	574	585	2210	527	3880	1260	502	295	441	e378	2230
27	537	1610	583	1700	526	3310	1260	503	315	370	376	836
28	539	1550	580	1190	532	1800	844	501	313	381	237	450
29	538	1420	580	1280	953	789	600	497	308	368	336	916
30	543	805	924	2520	---	577	613	495	360	364	263	826
31	543	---	891	2330	---	676	---	492	---	330	335	---
TOTAL	34601	20325	28404	54823	30104	47932	34245	21709	12380	10448	13539	26968
MEAN	1116	678	916	1768	1038	1546	1142	700	413	337	437	899
MAX	3660	1610	1870	4370	3730	4200	2470	1390	491	441	1090	3520
MIN	499	537	571	551	526	521	571	492	295	284	237	325
CFSM	.95	.58	.78	1.51	.89	1.32	.98	.60	.35	.29	.37	.77
IN.	1.10	.65	.90	1.74	.96	1.52	1.09	.69	.39	.33	.43	.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
MEAN	1035	983	1504	2534	2639	2393	2279	1654	1006	778	603	776		
MAX	1175	1544	2139	3948	5071	3898	4972	3070	1512	1410	799	1055		
(WY)	1998	1998	1998	1998	1998	1998	1998	1998	1997	1997	1997	1998		
MIN	751	678	916	1768	1038	892	1142	700	413	337	414	314		
(WY)	1999	2000	2000	2000	2000	1999	2000	2000	2000	2000	1999	1999		

SUMMARY STATISTICS		02166501 LAKE GREENWOOD TAILRACE NEAR CHAPPELLS, SC--Continued		WATER YEARS 1997 - 2000	
		FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL	340996	335478			
ANNUAL MEAN	934	917		1510	
HIGHEST ANNUAL MEAN				2468	1998
LOWEST ANNUAL MEAN				915	1999
HIGHEST DAILY MEAN	4660	Feb 2	4370	Jan 24	15700
LOWEST DAILY MEAN	261	Aug 31	237	Aug 28	237
ANNUAL SEVEN-DAY MINIMUM	271	Sep 20	285	Jul 18	271
INSTANTANEOUS PEAK FLOW			7530	Nov 5	Unknown
INSTANTANEOUS PEAK STAGE			17.66	Nov 5	32.89
ANNUAL RUNOFF (CFSM)	.80		.78		1.29
ANNUAL RUNOFF (INCHES)	10.84		10.67		17.53
10 PERCENT EXCEEDS	1850		1900		3990
50 PERCENT EXCEEDS	610		572		948
90 PERCENT EXCEEDS	285		327		455

e Estimated

