

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 370.00 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records fair.

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	585	837	904	1120	849	1500	957	1060	498	2690	2360	563
2	588	785	1180	1160	783	1340	932	1310	527	1860	1950	569
3	597	773	1370	1280	822	972	915	2160	513	1300	1570	796
4	602	723	1160	1340	782	853	893	1430	747	1430	1540	1010
5	589	689	1260	1780	1100	888	726	728	540	1620	1210	1120
6	1030	699	1190	1860	3020	887	487	716	494	1250	957	1160
7	1250	940	1130	1890	4750	883	585	849	485	1250	578	3030
8	1170	799	1130	1320	4680	876	482	610	523	1240	591	4650
9	780	854	1140	2000	4420	883	609	598	814	1080	595	13100
10	659	1080	1130	2120	2430	880	456	815	787	836	593	13000
11	661	1010	1260	1510	1330	887	439	674	778	830	580	7650
12	657	864	2520	1180	3340	879	800	742	832	833	928	4220
13	1040	854	2390	1140	2670	732	966	874	1030	833	1270	4180
14	1130	870	3360	1120	1480	613	989	1010	805	903	1200	4180
15	1140	882	2410	1110	2930	797	1510	1000	675	919	1110	6480
16	815	876	1760	1120	4480	899	1270	716	1080	923	895	4450
17	690	849	2550	1120	3370	888	1260	592	1280	835	746	3230
18	679	650	1890	1320	1630	738	1070	804	1290	664	716	2400
19	683	1020	1310	1910	1170	695	898	846	1180	907	539	2360
20	612	2070	1300	1560	919	610	849	1190	1100	1240	528	2530
21	586	3350	1300	1410	909	612	803	1200	813	1210	530	2580
22	573	2280	1300	1230	1290	716	694	979	1100	947	535	1910
23	770	1280	1300	1230	1480	520	690	715	1350	656	549	1340
24	837	1280	1290	1230	1410	629	620	524	1300	628	575	1360
25	833	1190	1290	1320	1050	481	614	510	1100	628	577	1380
26	829	1050	1290	2180	906	624	845	776	985	626	577	1380
27	826	1040	1290	1840	1250	449	797	513	1260	607	573	3310
28	1050	1030	1180	1460	1600	430	585	608	2170	800	564	6030
29	1170	1060	1000	1350	1570	603	525	506	1240	825	562	13600
30	1170	1060	729	1720	---	476	737	495	1840	1080	559	7840
31	1030	---	978	1100	---	819	---	634	---	1850	560	---
TOTAL	25631	32744	45291	45030	58420	24059	24003	26184	29136	33300	26617	121408
MEAN	827	1091	1461	1453	2014	776	800	845	971	1074	859	4047
MAX	1250	3350	3360	2180	4750	1500	1510	2160	2170	2690	2360	13600
MIN	573	650	729	1100	782	430	439	495	485	607	528	563
CFSM	0.71	0.93	1.25	1.24	1.72	0.66	0.68	0.72	0.83	0.92	0.73	3.46
IN.	0.81	1.04	1.44	1.43	1.86	0.76	0.76	0.83	0.93	1.06	0.85	3.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	815	910	1365	2020	1981	2152	1923	1544
MAX	1175	1544	2237	3948	5071	4283	4972	3316
(WY)	1998	1998	2003	1998	1998	2003	1998	2003
MIN	350	339	527	1146	527	776	800	660
(WY)	2001	2002	2002	2001	2001	2004	2004	2001

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	818691		491823		1398	
ANNUAL MEAN	2243		1344		2468	
HIGHEST ANNUAL MEAN					688	
LOWEST ANNUAL MEAN					17000	
HIGHEST DAILY MEAN	17000	Mar 21	13600	Sep 29	17000	Mar 21 2003
LOWEST DAILY MEAN	573	Oct 22	430	Mar 28	216	Dec 4 2001
ANNUAL SEVEN-DAY MINIMUM	646	Sep 29	527	Mar 24	248	Sep 8 2002
MAXIMUM PEAK FLOW			15800		Unknown	
MAXIMUM PEAK STAGE			25.84		32.89	
ANNUAL RUNOFF (CFSM)	1.92		1.15		1.19	
ANNUAL RUNOFF (INCHES)	26.03		15.64		16.24	
10 PERCENT EXCEEDS	3590		2360		3060	
50 PERCENT EXCEEDS	1820		982		876	
90 PERCENT EXCEEDS	837		576		387	

