

02171700 SANTEE RIVER NEAR JAMESTOWN, SC

LOCATION.--Lat 33°18'17''. long 79°40'42'', Berkeley County, Hydrologic Unit 03050112, at downstream side of bridge on U.S. Highway 17A, 0.7 mi below Wittee Branch, 0.1 mi upstream from Seaboard Coastline Railroad, 1.5 mi northeast of Jamestown, and at mile 36.4.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Discharge records are available for the period October 1986 to current year. Gage height records are available for the periods January 1974 to July 1976, September 1977 to current year. Gage height records July 1976 to September 1977 are in reports of the National Ocean Survey. April 1929 to current year (gage heights only) are in reports of the National Weather Service.

GAGE.--Data collection platform. Datum of gage is sea level (levels by South Carolina Public Service Authority). Prior to Jan. 4, 1974, nonrecording gage at same site and datum. Prior to Nov. 19, 1963, nonrecording gage at Seaboard Railroad trestle, 400 ft downstream and at same datum.

REMARKS.--Records poor. Discharge records for 1987-2000 water years are computed by utilization of the One-Dimensional unsteady flow simulation model (BRANCH). Two auxiliary stations (sta. 02171560 and 02171645) are used in conjunction with this station for computation of discharge. Discharge affected by regulation from Lake Marion (see sta 02171000) and redirection from St. Stephens powerplant (see sta 02171645), and by tide during low-flow periods.

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	969	1770	e4540	969	20100	8010	18800	6000	1320	e880	e900	984
2	994	1410	4930	981	16400	9890	16800	4560	1050	e890	e900	952
3	1020	1920	6230	993	16000	7470	17500	3120	982	e890	e900	936
4	964	5250	2890	1150	9200	9560	16300	3180	937	e890	e900	907
5	921	2010	1450	1210	8360	7590	13900	2450	1010	e900	e900	832
6	893	1200	1150	5360	15300	6400	14400	e2300	1040	e900	e900	833
7	962	995	1930	1940	12800	5850	14500	e2200	878	e900	e900	880
8	935	2020	4290	1090	12000	6870	14000	e2000	898	e900	901	959
9	1060	1590	1580	1050	8950	7430	15900	e1850	930	e900	853	944
10	1050	1120	1140	1320	4600	6390	16300	e1700	908	e900	869	915
11	1010	1050	1000	2250	3320	6020	16200	e1650	907	e880	842	876
12	945	940	1020	1980	4700	5790	11800	e1500	1130	e840	889	879
13	1080	1310	1030	1750	7010	5990	11900	e1350	1130	789	852	916
14	1080	1240	1050	3830	7970	6360	14700	e1200	879	906	936	937
15	947	1110	997	13300	6320	6030	12300	e1000	868	954	947	977
16	962	1290	1300	10600	14700	5720	10100	e950	974	964	1050	e955
17	786	1840	2790	3780	15100	5770	13300	e900	1100	938	951	e960
18	1260	3590	1300	3440	16100	5910	15600	e900	1100	967	912	e965
19	1060	1600	1050	6460	16700	7000	15800	e880	995	1640	926	e960
20	1180	1040	3160	5920	17100	9150	13100	e850	901	1050	894	e960
21	951	960	4500	8890	18200	11300	9250	e840	911	857	923	e970
22	1010	954	4030	13000	17300	15900	7700	e820	965	921	875	e970
23	1080	982	2920	8190	18600	17400	7270	e820	898	e920	926	e970
24	1020	1040	1380	7710	17400	18800	6700	e820	871	e910	898	e980
25	1040	1070	1150	14600	17200	19000	7030	e820	906	e910	867	e980
26	1070	1060	2130	17100	11800	19000	7010	819	1140	e910	802	997
27	1100	1060	1220	18400	12300	19400	6860	912	952	e910	891	875
28	1030	e1020	2270	18900	12200	19500	6940	902	889	e910	909	952
29	1010	e1140	1420	18400	e10000	19600	7010	827	863	e910	882	949
30	995	e1190	1070	18000	---	18000	7080	816	e870	e910	933	986
31	2080	---	1050	17600	---	18200	---	864	---	e910	962	---
TOTAL	32464	44771	67967	230163	367730	335300	366050	49800	29202	28856	27990	28156
MEAN	1047	1492	2192	7425	12680	10820	12200	1606	973	931	903	939
MAX	2080	5250	6230	18900	20100	19600	18800	6000	1320	1640	1050	997
MIN	786	940	997	969	3320	5720	6700	816	863	789	802	832

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2000, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	9239	8519	13260	15510	16990	21150	14530	9187	5488	4558	6952	6579		
MAX	34380	22410	27870	26400	50000	40770	29470	26770	16220	14930	25120	16260		
(WY)	1991	1996	1993	1998	1998	1987	1998	1991	1992	1989	1991	1995		
MIN	868	1492	2192	3082	3238	3566	2067	1067	843	853	903	939		
(WY)	1994	2000	2000	1989	1989	1988	1988	1988	1988	1988	2000	2000		

SANTEE RIVER BASIN

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1987 - 2000	
ANNUAL TOTAL	1607261	1608449	10880	
ANNUAL MEAN	4403	4395	17880	1991
HIGHEST ANNUAL MEAN			4081	1988
LOWEST ANNUAL MEAN			89500	Mar 9 1987
HIGHEST DAILY MEAN	22400	20100	460	Nov 13 1986
LOWEST DAILY MEAN	779	786	515	Sep 22 1989
ANNUAL SEVEN-DAY MINIMUM	956	827	32.00	Apr 15 1936
INSTANTANEOUS PEAK STAGE		11.71		
10 PERCENT EXCEEDS	14200	15400	24800	
50 PERCENT EXCEEDS	1290	1080	7910	
90 PERCENT EXCEEDS	967	881	940	

a Also occurred Feb 7.

e Estimated

