

02148000 WATEREE RIVER NEAR CAMDEN, SC

LOCATION.--Lat 34°14'40'', long 80°39'15'', Kershaw County, Hydrologic Unit 03050104, on downstream side of pier of downstream bridge on U.S. Highway 1, 1,500 ft downstream from Five and Twenty Creek, 4,000 ft upstream from Seaboard Coast Line Railroad bridge, 2.2 mi west of Camden, 7.4 mi downstream from Wateree Dam, and at mile 68.8.

DRAINAGE AREA.--5,070 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--January to December 1903 (gage heights only), October 1904 to September 1910, October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site 1.5 mi downstream 1891-1934, at site 830 ft upstream January 1935 to September 1942, and at present site since October 1942, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 802: 1930. WSP 952: Drainage area. WSP 1082: 1934 (M). WSP 1433: 1905-10. WSP 1623: 1930-51 (monthly and yearly runoff).

GAGE.--Data collection platform. Datum of gage is 115.36 ft above NGVD of 1929. January 1903 to September 1910, nonrecording gage at site 1.5 mi downstream at datum 117.71 ft above NGVD of 1929. October 1, 1929 to September 1, 1942, recording gage at site 830 ft upstream at datum 119.36 ft above NGVD of 1929. October 1942 to September 30, 1997, recording gage at present site at datum 119.36 ft above NGVD of 1929. October 1, 1997 to September 30, 2003, recording gage at present site at datum 118.36 ft above NGVD of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by powerplants at Wateree Reservoir (usable capacity, 2,794,000,000 ft<sup>3</sup>).

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--The flood of July 18, 1916 reached a stage of 40.4 ft, datum 117.71 ft above mean sea level, at site 1.5 mi downstream, from records of National Weather Service, discharge, 400,000 ft<sup>3</sup>/s, from rating curve extended above 122,000 ft<sup>3</sup>/s, as explained in footnote below.

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	14400	6940	5380	11300	5050	7720	13400	3690	4680	6600	7950	2740
2	14000	3680	6850	8220	3860	9950	13800	4520	5910	6490	6230	3510
3	10200	2460	8150	7310	2190	9910	13100	4370	12500	6760	6160	3390
4	6950	2240	9240	5670	5660	8830	11100	3500	12200	8170	5160	2400
5	3080	5100	3760	5630	6100	6280	6010	3700	8550	10500	4270	1710
6	5330	3600	3620	5860	3970	4930	6080	3150	4250	9770	3610	2350
7	4390	3460	6600	7550	4610	5660	10200	3130	4340	11600	2840	2430
8	4290	3150	4920	5740	2360	5700	9240	3100	5440	8140	3400	1650
9	3470	2920	7000	2420	4360	7550	8240	2860	6570	10500	2420	1450
10	5590	4030	8460	6710	3540	8740	7320	4050	7540	9690	4860	1740
11	7120	2840	10700	5090	4090	6100	6880	5300	5830	10800	5600	1350
12	4350	4560	11200	6250	3450	5320	9120	5310	6360	10600	4730	1440
13	7020	3010	9410	5830	1600	2980	14100	3570	4860	9510	4220	2280
14	4500	3430	7100	7850	3050	3270	12400	3540	8090	e8900	2990	1350
15	9100	4750	6940	12200	3010	5320	13200	4240	6440	e10100	3890	1610
16	3830	4820	7210	9960	2740	7000	10600	3670	7940	8520	5180	2750
17	5760	2950	9500	6020	2370	11000	8430	5400	6100	5470	4880	959
18	e2040	3640	9550	6510	2750	10700	6370	3420	3710	9920	6400	1180
19	e2460	4060	9400	6400	2230	8500	8440	2930	3750	7300	7400	1310
20	3020	5250	8510	11500	2020	5260	9040	3050	3360	6250	8640	1010
21	4620	3960	7990	10800	1890	4810	5400	3080	2260	5690	6680	e1270
22	4680	3900	7530	6450	4160	7730	5190	3040	3920	3530	6030	e1260
23	3650	3650	4690	5620	5000	8400	6470	3250	5790	4100	5150	e1250
24	3260	6160	8050	4990	3930	7930	3880	4130	3500	4210	5170	e1520
25	5270	6560	10800	4900	6280	6600	4130	2960	2930	4460	9090	e1130
26	4070	5760	10200	2500	5840	6420	5040	3020	3660	4170	8860	e1030
27	2580	6970	9000	3320	4030	6930	4540	2140	3040	6360	8250	e1370
28	2800	4660	7950	5070	4750	10500	5260	1830	5010	4950	6830	e1780
29	1940	5750	7170	3820	---	14300	5860	1940	5740	2660	7890	1350
30	2430	4840	8870	4480	---	16500	6810	2010	6120	4620	3790	1070
31	2640	---	10900	3850	---	15600	---	2060	---	6100	3750	---
TOTAL	158840	129100	246650	199820	104890	246440	249650	105960	170390	226440	172320	51639
MEAN	5124	4303	7956	6446	3746	7950	8322	3418	5680	7305	5559	1721
MAX	14400	6970	11200	12200	6280	16500	14100	5400	12500	11600	9090	3510
MIN	1940	2240	3620	2420	1600	2980	3880	1830	2260	2660	2420	959
CFSM	1.01	0.85	1.57	1.27	0.74	1.57	1.64	0.67	1.12	1.44	1.10	0.34
IN.	1.17	0.95	1.81	1.47	0.77	1.81	1.83	0.78	1.25	1.66	1.26	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	4691	4821	5774	8333	8868	9476	8191	5485	4737	4235	4464	4135
MAX	19080	15370	14000	18530	23270	21700	28750	13280	13040	14980	12720	20430
(WY)	1965	1978	1984	1937	1960	1952	1936	2003	2003	1941	1967	1945
MIN	1095	992	1056	1803	2120	2941	1701	1022	997	656	1456	1033
(WY)	1955	1932	2002	1942	2001	1988	1986	1986	1988	1956	2002	1954

SANTEE RIVER BASIN

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	1917350		2062139		6087	
ANNUAL MEAN	5239		5650		9964	
HIGHEST ANNUAL MEAN					1852	
LOWEST ANNUAL MEAN					149000	
HIGHEST DAILY MEAN	36000	Sep 11	16500	a Mar 30	149000	Oct 3 1929
LOWEST DAILY MEAN	1000	Feb 14	959	Sep 17	143	Sep 28 1980
ANNUAL SEVEN-DAY MINIMUM	1630	May 26	1180	Sep 17	279	Jul 1 1959
MAXIMUM PEAK FLOW			16800	Mar 30	b 366000	Aug 26 1908
MAXIMUM PEAK STAGE			19.34	Mar 30	39.70	Aug 26 1908
ANNUAL RUNOFF (CFSM)	1.03		1.11		1.20	
ANNUAL RUNOFF (INCHES)	14.07		15.13		16.31	
10 PERCENT EXCEEDS	9370		9950		12900	
50 PERCENT EXCEEDS	3810		5150		4790	
90 PERCENT EXCEEDS	2050		2270		1150	

a Also occurred on Mar. 31.

b Site and datum then in use, from records of National Weather Service, from rating curve extended above 122,000 ft<sup>3</sup>/s on basis of computations, by Duke Energy Corporation, of peak flow of 382,000 ft<sup>3</sup>/s over dam at Rocky Creek Reservoir.

e Estimated

