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^2, approximately.

WATER-DISCHARGE RECORDS

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^3).

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^3/s, from rating curve extended above 122,000 ft^3/s, as explained in footnote below.

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	2460	2630	6510	6150	8430	9360	2480	2420	1970	5640	5160	7410
2	e2230	2950	5490	5480	10900	6140	2420	2910	2140	6160	2050	9010
3	3950	2100	7330	5880	9260	5070	2450	4780	1690	3880	2730	6540
4	1870	2900	7580	6160	3610	4820	2500	3160	2240	3830	3500	2010
5	902	3060	8210	4710	5290	6250	2580	3160	1440	3910	5810	2220
6	e1340	3070	6100	7180	4040	3470	2460	2780	1800	e1170	3480	6650
7	2870	2590	4690	7000	9080	3180	2500	2460	e3320	6540	2910	14500
8	2270	2210	5840	5100	10900	2670	2360	2520	2640	8560	2120	17800
9	3200	2420	4880	5920	8920	4500	2430	2920	2810	7070	2100	19100
10	5540	4500	2650	6510	7350	2490	2400	2570	1670	3680	2450	25100
11	2630	3870	5080	3970	3890	2530	2360	2920	1460	3550	3410	36000
12	2040	3730	7450	6270	5210	2390	2650	2550	1820	2930	11700	32300
13	2580	4750	4020	5950	5180	3580	2490	2570	1610	1730	6800	29700
14	3210	4300	7220	4540	1000	2410	4410	2560	1380	1590	2540	26600
15	2840	2150	8870	4110	1260	3990	4340	2550	1840	1710	5470	23900
16	3630	3990	6660	4510	2480	4000	2850	2530	2810	4880	7910	22300
17	3430	5140	5220	4630	3050	4340	2670	3000	3900	3230	6930	21300
18	2420	6980	6630	4850	2870	4780	2420	2560	1680	2130	4470	19200
19	e1510	7880	4540	4140	6070	3630	2660	2560	2490	3250	2320	17600
20	e3360	5120	6380	7520	6580	3110	2970	2680	1410	3940	3290	16900
21	3220	3980	7270	4660	9060	2820	2950	2720	1760	4400	3640	7810
22	3330	7950	6820	4020	6570	2850	3230	1580	2250	3220	1370	5450
23	4070	7230	7670	3790	2770	3280	2570	1240	3550	2980	2460	4730
24	4390	8890	6910	2470	2560	2580	2500	2280	5420	1860	1460	5440
25	3680	9150	7630	2340	4960	2960	2390	2200	5840	1830	2720	10200
26	4250	7030	8380	5230	5760	3160	2490	2060	10300	2310	2180	14400
27	4850	6440	6030	6210	5460	3370	3180	1150	9060	2250	1940	12700
28	4430	4660	4420	3780	6610	3420	2900	1530	6180	3330	3070	12500
29	6330	7240	7830	3120	8390	3110	3230	1440	4320	3790	8140	13000
30	4570	6250	6840	1980	---	4120	2440	1650	3440	4190	4060	13700
31	2630	---	6930	1660	---	3220	---	1590	---	6210	5680	---
TOTAL	100032	145160	198080	149840	167510	117600	82280	75600	94240	115750	123870	456070
MEAN	3227	4839	6390	4834	5776	3794	2743	2439	3141	3734	3996	15200
MAX	6330	9150	8870	7520	10900	9360	4410	4780	10300	8560	11700	36000
MIN	902	2100	2650	1660	1000	2390	2360	1150	1380	1170	1370	2010
CFSM	0.64	0.95	1.26	0.95	1.14	0.75	0.54	0.48	0.62	0.74	0.79	3.00
IN.	0.73	1.07	1.45	1.10	1.23	0.86	0.60	0.55	0.69	0.85	0.91	3.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	4685	4828	5745	8358	8936	9497	8190	5513	4725	4194	4449	4167
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

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	3455107		1826032			
ANNUAL MEAN	9466		4989		6093	
HIGHEST ANNUAL MEAN					9964	1960
LOWEST ANNUAL MEAN					1852	2002
HIGHEST DAILY MEAN	52800	Apr 12	36000	Sep 11	149000	Oct 3 1929
LOWEST DAILY MEAN	902	Oct 5	902	Oct 5	143	Sep 28 1980
ANNUAL SEVEN-DAY MINIMUM	2060	Jan 19	1630	May 26	279	Jul 1 1959
MAXIMUM PEAK FLOW			39500	Sep 11	a 366000	Aug 26 1908
MAXIMUM PEAK STAGE			29.67	Sep 11	39.70	Aug 26 1908
ANNUAL RUNOFF (CFSM)	1.87		0.984		1.20	
ANNUAL RUNOFF (INCHES)	25.35		13.40		16.33	
10 PERCENT EXCEEDS	17800		8400		12900	
50 PERCENT EXCEEDS	7670		3640		4790	
90 PERCENT EXCEEDS	2540		1980		1140	

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

e Estimated