

## Attachment B

USGS Water Resources Data  
(as applicable)  
South Carolina Water Year 1999

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02146000 CATAMBA RIVER NEAR ROCK HILL, SC

LOCATION.--Lat 34°59'05'', long 80°58'27'', York County, Hydrologic Unit 03050103, on right bank, at downstream side of bridge on U.S. Highway 21, 3.5 mi downstream from Lake Wylie Dam, 5.0 mi northeast of Rock Hill, 7.5 mi upstream from Sugar Creek, and at mile 137.6.

DRAINAGE AREA.--3,050 mi<sup>2</sup>, approximately.

DRAINAGE AREA.--3,050 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1895 to September 1902, April 1942 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1303: 1895-1903, WSP 1333: 1942-43(M), 1953(M). WSP 1623: 1942-51 (yearly runoff).

REVISED RECORDS.--WSP 1303: 1895-1903, WSP 1333: 1942-43(M), 1953(M). Not recorded in 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 257

REMARKS.--No estimated daily discharges. Records poor. Flow regulated by Lake Wylie (usable capacity, 2,520,500,000 ft<sup>3</sup>).  
DATE--Data collected from 1963 to 1999

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DAY												
1	976	534	1260	1710	7280	4150	1270	3550	2170	740	1570	1140
2	663	876	2740	1440	3670	2760	1000	2640	1230	1600	2000	1230
3	586	1260	1100	1220	6070	2670	1840	2360	948	1270	1280	1020
4	749	869	1120	2620	8160	4250	1310	3140	1310	598	1630	957
5	600	933	985	7160	5050	4160	2770	1140	902	634	2450	1150
6	1100	939	746	4430	5030	1800	1270	1560	880	2110	1110	1190
7	1700	714	1100	3750	3460	1100	940	1960	2470	1210	1080	879
8	1430	802	1060	4210	6410	3430	1030	957	1960	4290	1130	1220
9	1290	987	703	1390	6470	2660	3040	1310	1170	1060	1040	1190
10	1120	939	1170	1120	7340	3680	2030	1520	1250	1500	1450	921
11	774	746	1500	3280	9000	2150	1380	2130	1170	1030	1020	893
12	610	1940	784	3020	5250	1700	882	2270	1200	924	1280	783
13	943	1190	756	5970	1670	665	2200	1310	1590	1060	1040	1140
14	897	774	1300	6360	3170	891	541	970	2450	1600	1280	1040
15	987	821	2180	6660	2980	1360	1090	1010	959	1860	943	1100
16	883	1710	1670	5150	1680	2850	1060	1130	940	1840	1520	660
17	888	1090	2470	3760	2410	2060	633	2250	636	1580	1110	825
18	564	1970	2350	4430	2620	1160	762	1290	1240	1600	1110	829
19	1320	1150	1010	4510	3450	1130	1610	1360	757	1000	1130	800
20	1170	1210	698	5360	2400	1370	1940	2670	774	2200	1110	964
21	1110	937	931	5050	3110	1460	1440	2510	750	1000	985	883
22	1180	1060	796	5180	5950	2600	1250	840	944	5300	1060	1010
23	1100	2090	1070	3010	4890	1610	537	1300	1250	4820	960	912
24	1150	1010	1790	1730	4050	2600	1050	1830	1180	1420	1320	646
25	796	1530	1980	3670	4800	1610	1490	1790	1270	1250	772	901
26	803	804	1250	8180	6460	2110	1270	1530	1620	4930	1020	923
27	557	1140	3130	6910	2730	1330	1800	1580	1070	2380	1180	929
28	660	1190	1740	6730	1930	1120	635	1910	1860	4080	855	1020
29	989	770	2270	8560	---	1370	1070	781	1980	4880	757	1030
30	1040	1350	2410	5620	---	1030	943	1070	843	2670	1380	1030
31	738	---	3730	3710	---	2290	---	1330	---	1280	1590	---
TOTAL	29433	33335	47799	135900	127490	65126	40083	52998	38773	63716	38162	29215
MEAN	949	1111	1542	4384	4553	2101	1336	1710	1292	2055	1231	974
MAX	1700	2090	3730	8560	9000	4250	3040	3550	2470	5300	2450	1230
MIN	557	534	698	1120	1670	665	537	781	636	598	757	646
CFSM	.31	.36	.51	1.44	1.49	.69	.44	.56	.42	.67	.40	.32
IN.	.36	.41	.58	1.66	1.55	.79	.49	.65	.47	.78	.47	.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1999, BY WATER YEAR (WY)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-1959										
	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
MEAN	3488	3596	4232	5392	6061	6300	5593	4331	3937	3299
MAX	10680	12400	14270	16630	14950	15510	15970	15360	10120	10340
(WY)	1899	1978	1902	1946	1899	1899	1901	1901	1896	1901
MIN	721	858	1042	1415	1371	1526	1211	910	1088	933
(WY)	1955	1955	1956	1956	1977	1988	1985	1986	1988	1986

## Santee River Basin

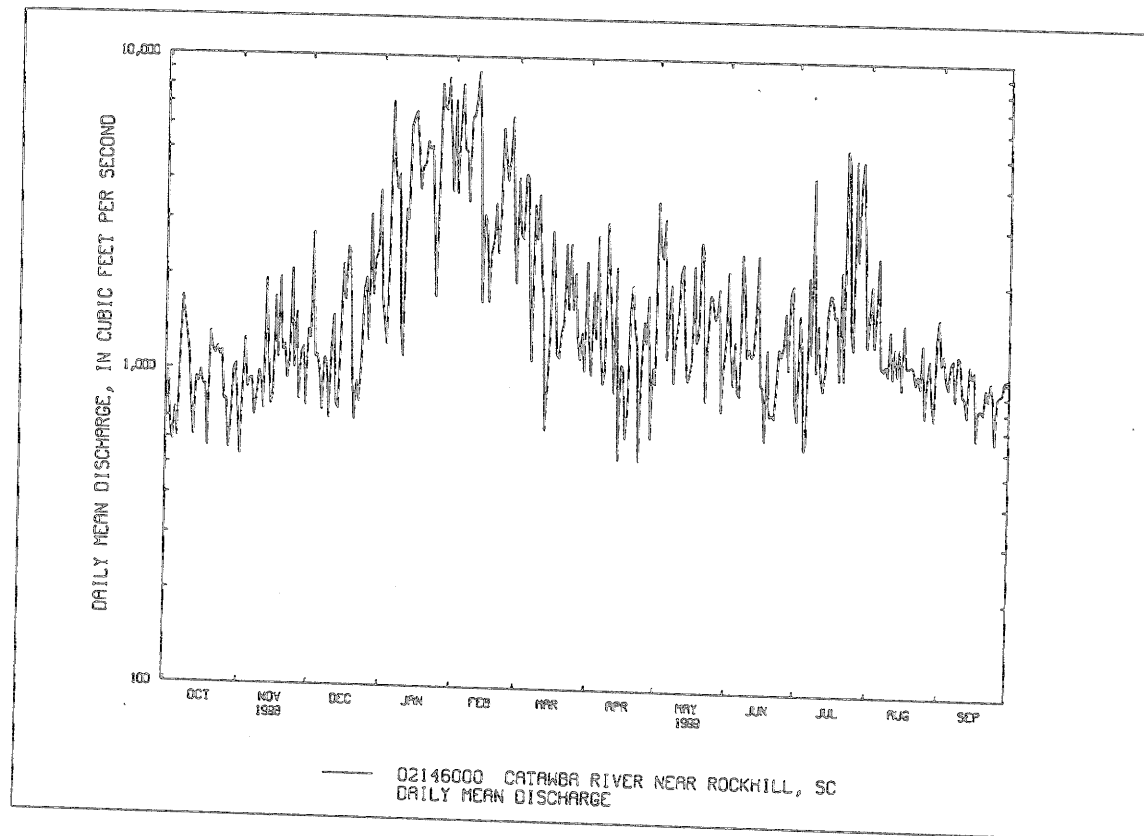
## SUMMARY STATISTICS

02146000 CATAMBA RIVER NEAR ROCK HILL, SC--Continued  
FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR

WATER YEARS 1896 - 1999

ANNUAL TOTAL	1563510		702030		
ANNUAL MEAN	4284		1923		
HIGHEST ANNUAL MEAN					4390
LOWEST ANNUAL MEAN					9635
HIGHEST DAILY MEAN	15400	Apr 22	9000	Feb 11	127000
LOWEST DAILY MEAN	534	Nov 1	534	Nov 1	227
ANNUAL SEVEN-DAY MINIMUM	760	Oct 26	760	Oct 26	541
INSTANTANEOUS PEAK FLOW			13500	Feb 11	* 151000
INSTANTANEOUS PEAK STAGE			7.51	Feb 11	* 24.15
ANNUAL RUNOFF (CFSM)	1.40		.63		1.44
ANNUAL RUNOFF (INCHES)	19.07		8.56		19.56
10 PERCENT EXCEEDS	10300		4230		8650
50 PERCENT EXCEEDS	2690		1270		3590
90 PERCENT EXCEEDS	803		778		919

\* Site and datum then in use.



## 02148000 WATEREE RIVER NEAR CAMDEN, SC

LOCATION.--Lat 34°14'40", long 80°39'15", Kershaw County, Hydrologic Unit 03050104, in 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.

## 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 118.36 ft above sea level. January 1903 to September 1910, nonrecording gage at site 1.5 mi downstream at datum 117.71 ft above mean sea level. October 1, 1929 to September 1, 1942, recording gage at site 830 ft upstream at datum 119.36 ft above sea level. October 1942 to September 30, 1997, recording gage at present site at datum 119.36 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. 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 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2330	1170	1550	3970	9750	4910	4280	8770	1660	2280	1250	1300
2	1730	1730	2040	3240	14200	5120	3200	9310	1270	1890	2410	1460
3	1480	1230	4280	3720	14000	3290	2840	6860	1820	2050	1090	1230
4	1310	1360	2780	8840	10600	4950	2980	4360	1280	1700	2210	1320
5	1680	741	1780	9980	8070	4570	3320	4770	1760	1970	2640	971
6	1880	1590	1740	6830	7580	3370	3050	3280	1630	3090	1490	1660
7	1670	1120	1660	6120	5830	2700	2650	4660	1820	2270	1780	1370
8	4640	1360	2060	5730	9060	4510	2900	3640	1910	3410	1570	1310
9	6790	1430	1790	4120	9240	4660	2920	2870	1710	2330	1230	1440
10	3640	1270	2360	1600	8300	3580	3240	2780	1510	1870	1720	1530
11	2490	1080	2520	6730	9520	4800	3100	2720	1750	1860	1240	1570
12	1970	1340	1590	7140	9130	4980	2770	2700	1440	1480	1280	1290
13	2120	1010	1420	5750	3800	2590	2770	2700	1650	2120	1850	1090
14	1740	698	1480	6750	2020	3280	2610	2970	1540	2280	1410	1580
15	1340	877	3060	8250	5130	3970	2870	2930	1520	4430	1600	1220
16	1230	2010	2980	9020	4240	3640	2680	3110	1750	2860	1890	950
17	1140	2480	4040	6050	3590	3240	2480	2790	1750	1540	1830	1090
18	1080	1990	4760	9900	1690	3580	2340	2680	1520	1940	1930	1580
19	1650	2670	1730	10300	3570	2870	2320	2670	1460	1930	1650	1240
20	1170	2520	1190	8620	6700	3220	2350	2660	1440	1810	1420	1520
21	1850	1970	1520	7620	6050	3110	2330	2670	1620	2430	1480	1460
22	955	1460	1500	7720	7090	4460	2330	2660	1460	3730	1120	1410
23	1060	1850	1520	7660	8850	4530	2310	2660	1440	4770	1690	1660
24	1020	3790	2840	14700	7900	3300	2330	2630	1410	2490	1310	738
25	1410	2020	5240	16900	7760	3560	2360	2610	1430	2020	1290	640
26	1050	1630	9140	16100	6420	3960	2090	2670	7420	3820	1350	1440
27	1290	2400	4580	14200	4520	3640	2040	2260	2750	3580	1800	1770
28	1370	1080	6100	10400	4070	2850	2180	2050	3000	3970	1590	1800
29	704	1510	3320	12300	---	2890	2230	2050	3130	4330	1140	1870
30	1130	1750	2630	8630	---	3800	4520	2030	3390	5190	1250	1750
31	1330	---	3320	9050	---	3080	---	2020	---	2260	1480	---
TOTAL	56249	49136	88520	257940	198680	117010	82390	105540	59240	83700	48990	41259
MEAN	1814	1638	2855	8321	7096	3775	2746	3405	1975	2700	1580	1375
MAX	6790	3790	9140	16900	14200	5120	4520	9310	7420	5190	2640	1870
MIN	704	698	1190	1600	1690	2590	2040	2020	1270	1480	1090	640
CFSM	.36	.32	.56	1.64	1.40	.74	.54	.67	.39	.53	.31	.27
IN.	.41	.36	.65	1.89	1.46	.86	.60	.77	.43	.61	.36	.30

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1999, BY WATER YEAR (WY)

	MEAN	4878	4979	5872	8699	9239	9649	8280	5592	4759	4236	4508	4114
MAX	19080	15370	14000	18530	23270	21700	28750	13200	12380	14980	12720	20430	
(WY)	1965	1978	1984	1937	1960	1952	1936	1958	1973	1941	1967	1945	
MIN	1095	992	1647	1803	2484	2941	1701	1022	997	656	1460	1033	
(WY)	1955	1932	1956	1942	1977	1988	1986	1986	1988	1956	1954	1954	

## SANTEE RIVER BASIN

## SUMMARY STATISTICS

02148000 WATEREE RIVER NEAR CAMDEN, SC--Continued  
FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR

WATER YEARS 1930 - 1999

ANNUAL TOTAL	2714630		1188654			
ANNUAL MEAN	7437		3257			
HIGHEST ANNUAL MEAN					6219	
LOWEST ANNUAL MEAN					9964	1960
HIGHEST DAILY MEAN					3241	1988
LOWEST DAILY MEAN	35300	Feb 5	16900	Jan 25	149000	Oct 3 1929
ANNUAL SEVEN-DAY MINIMUM	698	Nov 14	640	Sep 25	143	Sep 28 1980
INSTANTANEOUS PEAK FLOW	1100	Nov 9	1100	Nov 9	279	Jul 1 1959
INSTANTANEOUS PEAK STAGE			17000	** Jan 25	* 366000	Aug 26 1908
ANNUAL RUNOFF (CFSM)	1.47		16.51	** Jan 25	* 39.70	Aug 26 1908
ANNUAL RUNOFF (INCHES)	19.92		.64		1.23	
10 PERCENT EXCEEDS	17200		8.72		16.67	
50 PERCENT EXCEEDS	4470		7250		13000	
90 PERCENT EXCEEDS	1380		2330		4960	
			1260		1100	

\* 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 362,000 ft<sup>3</sup>/s over dam at Rocky Creek Reservoir.

\*\* Also occurred Jan. 26.

