

SANTEE RIVER BASIN

02146000 CATAWBA 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 mi², 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).

GAGE.--Data collection platform. Datum of gage is 485.82 ft above sea level. Sept. 23, 1895, to July 31, 1903, nonrecording gage at Southern Railway bridge, 2.0 mi downstream, at different datum.

REMARKS.--Records poor. Flow regulated by Lake Wylie (usable capacity, 2,520,500,000 ft³).

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	942	1140	1850	1080	2450	2010	2290	4070	2510	976	975	e1160
2	930	1300	2200	968	5070	2860	3080	3960	1690	906	1200	e1450
3	706	1290	1980	1490	2020	1890	4650	2770	1140	1050	910	e1810
4	1180	1550	1200	1120	1470	1120	4950	2320	1070	1450	984	e2380
5	986	1470	1080	1310	2220	1120	3850	1540	1020	882	1200	e1470
6	943	1210	1140	1850	1920	2860	5380	1450	976	951	896	1090
7	654	970	1250	1400	1530	1170	4140	1170	1040	962	1340	1010
8	1290	1340	2310	1100	849	1300	1980	5290	1450	1050	1060	1110
9	795	1140	1800	999	1080	2320	3070	3490	1180	1040	1210	1100
10	1060	1100	1100	3350	1750	2340	4270	2420	835	1210	1150	1010
11	850	1270	959	2940	1320	1140	3760	2010	970	1200	1010	1590
12	416	1210	1250	1460	2950	1660	1130	2910	1020	1070	1010	1070
13	1260	1300	1010	824	1900	2590	4950	1830	841	788	1030	1050
14	1520	999	2100	1330	1630	1830	2530	1000	1110	1140	987	957
15	2310	1010	2030	2280	5330	1630	2680	2650	1120	1110	962	1090
16	2840	1340	1850	961	5310	2220	4560	2440	960	836	1090	1010
17	2340	1600	1900	1570	5520	3510	5400	2420	882	934	1080	830
18	1190	1330	840	4240	4790	3650	6380	1970	890	1050	1350	876
19	1350	1730	872	2680	2240	2980	6840	1750	1030	1250	1140	1490
20	1430	1240	1010	1360	2130	917	2640	1240	913	1160	871	1110
21	1480	1170	1760	2990	2510	6030	2810	1780	1080	985	994	947
22	1490	995	1960	2090	e1820	6750	3520	2230	971	960	1040	1090
23	1180	976	1080	1140	e1720	7710	1840	1730	1280	906	e980	1030
24	1080	873	1130	1420	e4370	6710	4010	2240	1030	1180	e1060	725
25	1280	1020	1120	1110	e3360	5480	4800	1830	825	821	e850	3510
26	1200	959	1020	5030	e1590	7240	3550	3740	1040	1240	1300	2840
27	1340	1020	1340	2270	e1300	6230	2950	1800	1060	1040	1100	939
28	1390	786	1510	3800	e2890	6640	4740	1010	1030	1200	709	1120
29	1420	1340	1350	907	4920	6560	1070	792	1310	877	e625	1450
30	954	2030	1530	878	---	5410	1480	2850	1050	865	e775	986
31	1070	---	1280	4820	---	5810	---	1940	---	817	e1070	---
TOTAL	38876	36708	44811	60767	77959	111687	109300	70642	33323	31906	31958	39300
MEAN	1254	1224	1446	1960	2688	3603	3643	2279	1111	1029	1031	1310
MAX	2840	2030	2310	5030	5520	7710	6840	5290	2510	1450	1350	3510
MIN	416	786	840	824	849	917	1070	792	825	788	625	725
CFSM	.41	.40	.47	.64	.88	1.18	1.19	.75	.36	.34	.34	.43
IN.	.47	.45	.55	.74	.95	1.36	1.33	.86	.41	.39	.39	.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2000, BY WATER YEAR (WY)

	1896	1897	1898	1899	1900	1901	1902	1903	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
MEAN	3453	3559	4189	5339	6007	6258	5563	4300	3894	3265	3446	3028																																																																																													
MAX	10680	12400	14270	10630	14950	19510	15970	15360	10120	10340	22230	9768																																																																																													
(WY)	1899	1978	1902	1946	1899	1899	1901	1901	1901	1896	1901	1945																																																																																													
MIN	721	858	1042	1415	1371	1526	1211	910	1088	933	1010	974																																																																																													
(WY)	1955	1955	1956	1956	1977	1988	1985	1986	1988	1986	1988	1999																																																																																													

SUMMARY STATISTICS	02146000 CATAWBA RIVER NEAR ROCK HILL, SC--Continued		WATER YEARS 1896 - 2000	
	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL	711858	687237		
ANNUAL MEAN	1950	1878	4351	
HIGHEST ANNUAL MEAN			9635	1901
LOWEST ANNUAL MEAN			1878	2000
HIGHEST DAILY MEAN	9000	Feb 11	7710	Mar 23
LOWEST DAILY MEAN	416	Oct 12	416	Oct 12
ANNUAL SEVEN-DAY MINIMUM	853	Sep 16	858	Oct 6
INSTANTANEOUS PEAK FLOW			12800	Sep 25
INSTANTANEOUS PEAK STAGE			7.35	Sep 25
ANNUAL RUNOFF (CFSM)	.64		.62	
ANNUAL RUNOFF (INCHES)	8.68		8.38	
10 PERCENT EXCEEDS	4230		3980	8620
50 PERCENT EXCEEDS	1310		1280	3530
90 PERCENT EXCEEDS	881		907	918

a Site and datum then in use.

e Estimated

