

SANTEE RIVER BASIN

02147020 CATAWBA RIVER BELOW CATAWBA, SC

LOCATION.--Lat 34°50'10'', long 80°52'47'', York County, Hydrologic Unit 03050103, on right bank, 1.5 mi downstream from Twelvemile Creek, 2.2 mi southeast of Catawba, and at mile 121.3.

DRAINAGE AREA.--3,540 mi², approximately.

PERIOD OF RECORD.--January 1992 to current year.

GAGE.--Data collection platform. Datum of gage is 442.0 ft above sea level (by Global Positioning Survey). June 1906 to Dec. 21, 1948, nonrecording gage at site 0.6 mi downstream at different datum. October 1967 to January 1992, recording gage at site 1.5 mi upstream at different datum and published as station 02147000.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Lake Wylie (usable capacity, 2,520,500,000 ft³).

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Maximum stage known since June 1906, 40.4 ft July 16, 1916, at site and datum then in use, from records furnished by the National Weather Service.

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	1300	1110	2330	1280	4790	4220	2790	4010	3490	1170	1370	1520
2	1060	1640	2810	1330	6870	3030	3680	4450	1930	1180	2510	1910
3	997	2130	2360	1480	4250	2560	4700	4210	1590	1290	1760	2350
4	1120	1840	1780	2090	2350	2510	5870	3820	1520	1460	1840	2730
5	1030	1850	1060	1490	3050	e1980	5540	1960	1710	1190	1560	1700
6	1100	1420	1350	2560	3550	e3540	5780	1390	3070	1290	1650	1160
7	1040	1060	1980	2000	2830	e2780	4200	1630	1220	1340	1710	1060
8	952	1180	2900	1510	1300	e2350	3720	4720	1900	1450	1200	1090
9	1070	1830	1930	1280	2020	e3070	4260	4510	1550	1220	1440	1220
10	1090	1020	1600	4200	2340	e4140	5620	2820	1170	1480	2070	851
11	6360	1370	1500	4800	1830	e2540	3600	2990	1060	1450	1760	1650
12	4180	1820	1310	3510	3670	e2520	3000	2930	1200	2410	1330	1240
13	1500	1760	1320	1290	7030	e3420	4030	2180	1150	3090	1220	1090
14	2030	1120	2550	1470	6120	3340	4650	1840	1210	1530	1100	903
15	2350	1120	2890	2610	8160	1570	5110	1360	1330	1400	1100	1100
16	2800	1810	3400	1790	7200	2910	6330	3820	1250	1470	e1220	1190
17	3390	1850	2520	2220	5890	4800	6950	2670	1310	1250	e1220	990
18	1220	1910	1080	4140	6750	5500	6390	2520	1020	1270	e1480	697
19	1390	2110	1030	3600	3980	3210	8220	2120	1290	1600	e1290	2270
20	1650	1100	1510	2090	3020	3770	4250	1610	1040	1510	e1060	1550
21	2350	1420	1680	4000	4020	8820	3050	1480	1350	1440	e1200	962
22	2330	1560	3300	2700	4190	7890	4510	1810	1050	1240	1180	1560
23	1190	1080	1570	1980	2100	8840	2690	1580	1310	1470	971	6350
24	1410	1100	1570	3780	5930	7280	4440	1590	1500	1750	1320	4240
25	1400	1250	1650	2630	5030	7120	5380	e2000	1110	1490	1540	3930
26	1500	1530	1550	6490	2030	6880	5530	e3240	1120	1580	2420	4280
27	1620	2060	1620	3220	1480	7370	3610	e2240	1340	1340	1280	1940
28	1600	1380	1620	5650	2510	7520	5180	1380	1450	1660	1020	1160
29	1540	1240	1900	1560	4860	7130	2200	1060	2120	1050	889	1360
30	1230	2590	2320	2330	---	6610	1760	1970	1650	1050	985	1630
31	1100	---	1700	8060	---	7680	---	2550	---	1180	1380	---
TOTAL	54899	46260	59690	89140	119150	146900	137040	78460	45010	45300	44075	55683
MEAN	1771	1542	1925	2875	4109	4739	4568	2531	1500	1461	1422	1856
MAX	6360	2590	3400	8060	8160	8840	8220	4720	3490	3090	2510	6350
MIN	952	1020	1030	1280	1300	1570	1760	1060	1020	1050	889	697
CFSM	.50	.44	.54	.81	1.16	1.34	1.29	.71	.42	.41	.40	.52
IN.	.58	.49	.63	.94	1.25	1.54	1.44	.82	.47	.48	.46	.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	3268	3631	4618	7295	7807	7404	5568	3839	3934	2751	3499	2292
MAX	7722	7780	8630	11270	12570	14200	10760	5978	10000	3892	8733	3883
(WY)	1996	1993	1993	1993	1998	1993	1993	1993	1992	1995	1994	1995
MIN	991	1381	1925	2875	4109	2773	1966	1691	1500	1461	1422	1138
(WY)	1994	1999	2000	2000	2000	1999	1999	1994	2000	2000	2000	1999

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SUMMARY STATISTICS	02147020 CATAWBA RIVER BELOW CATAWBA, SC--Continued		WATER YEARS 1992 - 2000	
	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL	929579	921607		
ANNUAL MEAN	2547	2518	4615	
HIGHEST ANNUAL MEAN			6874	1993
LOWEST ANNUAL MEAN			2494	1999
HIGHEST DAILY MEAN	12700	8840	35000	Mar 25 1993
LOWEST DAILY MEAN	754	697	560	Oct 12 1993
ANNUAL SEVEN-DAY MINIMUM	959	1030	807	Oct 9 1993
INSTANTANEOUS PEAK FLOW		12300	49300	Mar 25 1993
INSTANTANEOUS PEAK STAGE		10.51	20.86	Mar 25 1993
ANNUAL RUNOFF (CFSM)	.72	.71	1.30	
ANNUAL RUNOFF (INCHES)	9.77	9.68	17.71	
10 PERCENT EXCEEDS	5590	5130	9530	
50 PERCENT EXCEEDS	1800	1770	3600	
90 PERCENT EXCEEDS	1080	1100	1150	

e Estimated

