

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 NGVD of 1929 (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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3590	1750	3870	4780	2950	4040	3620	3130	2530	5140	2300	2150
2	2690	2350	6110	3710	1750	5810	2710	2700	2920	3930	2140	3870
3	3540	1940	5480	3970	2140	4300	3140	4040	2380	3680	3910	4920
4	1270	1280	5280	4520	3810	3630	1810	3180	3030	2640	5320	2520
5	1210	1340	7090	2710	4690	3350	3040	2620	1650	3160	3100	3990
6	1950	2540	4960	5150	4200	3180	2820	2290	1980	3210	1600	3790
7	2860	2760	3550	6980	9400	2920	2120	2570	2270	4910	2150	5940
8	3020	2730	4450	4990	7390	2780	1710	2170	1920	7830	1840	16200
9	2640	2740	1360	6020	5750	4090	1670	2170	2390	5570	5500	20200
10	5010	2720	1600	3910	3880	3370	2450	2930	2390	3780	5820	40700
11	1890	2740	4950	5080	4320	2150	657	2030	2260	1800	2350	31900
12	1370	2760	4180	4140	5720	2570	1790	3700	1740	3030	2240	27000
13	3520	2690	4080	3670	7450	3500	3340	2760	2150	4080	5590	25400
14	3680	2680	5440	4520	3750	2860	6840	2760	2250	4100	4830	21800
15	2600	2730	4810	2170	1860	2580	3790	1510	2790	2920	4690	20600
16	3840	2740	4210	3460	2160	2790	2850	2620	2900	3010	2660	18600
17	2680	2710	3590	5080	725	5050	2900	1320	2760	2720	3260	14600
18	3230	2740	1410	4610	2920	3080	2870	1030	1920	4020	2870	8690
19	977	3900	3930	3140	2220	3400	2750	2990	1610	3510	3690	4340
20	2270	3900	7500	6560	4220	2180	4000	2400	2080	3780	4720	6450
21	3470	2770	5660	3980	2370	2010	2680	2990	2120	3860	4500	5750
22	3520	6660	6410	4980	1840	3040	2860	2640	3130	2150	1410	6190
23	3200	6580	6890	2380	2110	3080	3050	2220	3350	3530	4450	7460
24	3790	7200	3820	4180	1810	2710	3060	2360	9740	3020	1140	7730
25	3180	7060	6050	1080	3380	1810	1870	1970	9290	2300	796	8470
26	1750	6310	6280	4710	6400	3250	3860	1980	8460	2430	5290	9810
27	3470	5490	4420	4670	3980	2550	2120	1820	7940	2830	6720	4780
28	4540	3730	3980	4690	6460	1410	2750	1430	3770	4860	2580	8840
29	6820	5650	6620	4270	6480	2130	3290	1450	3800	2390	2220	7890
30	2710	4070	6110	6010	---	e2390	4770	1460	6220	5880	2480	12000
31	451	---	6760	7660	---	2020	---	1840	---	3740	3040	---
TOTAL	90738	107260	150850	137780	116135	94030	87187	73080	103740	113810	105206	362580
MEAN	2927	3575	4866	4445	4005	3033	2906	2357	3458	3671	3394	12090
MAX	6820	7200	7500	7660	9400	5810	6840	4040	9740	7830	6720	40700
MIN	451	1280	1360	1080	725	1410	657	1030	1610	1800	796	2150
CFSM	0.83	1.01	1.37	1.26	1.13	0.86	0.82	0.67	0.98	1.04	0.96	3.41
IN.	0.95	1.13	1.59	1.45	1.22	0.99	0.92	0.77	1.09	1.20	1.11	3.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	2722	3119	4210	5869	6378	6721	5708	4051	4069	2995	3520	2983	
MAX	7722	7780	8630	11270	12570	14200	15940	12380	11300	7688	8733	12090	
(WY)	1996	1993	1993	1993	1998	1993	2003	2003	2003	2003	1994	2004	
MIN	991	1164	1067	1710	1463	2090	1950	1541	1305	1153	1142	1138	
(WY)	1994	2002	2002	2002	2002	2002	2002	2002	2002	2001	2001	1999	

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	2801098		1542396		4328	
ANNUAL MEAN	7674		4214		7556	
HIGHEST ANNUAL MEAN					1477	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	e 49800	Apr 11	40700	Sep 10	e 49800	Apr 11 2003
LOWEST DAILY MEAN	451	Oct 31	451	Oct 31	451	Oct 31 2003
ANNUAL SEVEN-DAY MINIMUM	1660	Oct 31	1660	Oct 31	807	Oct 9 1993
MAXIMUM PEAK FLOW			46400		Sep 10	
MAXIMUM PEAK STAGE			20.29		Sep 10	
ANNUAL RUNOFF (CFSM)	2.17		1.19		22.69	
ANNUAL RUNOFF (INCHES)	29.44		16.21		1.22	
10 PERCENT EXCEEDS	13900		6730		9410	
50 PERCENT EXCEEDS	6300		3220		2910	
90 PERCENT EXCEEDS	2530		1810		1090	

e Estimated

