

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 mi<sup>2</sup>, 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.--No estimated daily discharges. Records good. Flow regulated by Lake Wylie (usable capacity, 2,520,500,000 ft<sup>3</sup>).

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 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8940	5480	6540	8290	5380	8350	14600	3580	1380	5640	4460	5240
2	11600	1820	6740	8420	4310	5430	14000	5130	6750	5230	3590	3240
3	9100	2990	6800	7090	3330	6820	11000	4190	6580	3650	4200	2860
4	1300	3530	3410	6610	4870	6190	9190	2300	1960	4500	4530	3020
5	4960	4900	1760	5190	4800	6660	3960	2900	3620	6310	2570	2120
6	4850	3390	7180	5940	4640	3100	7840	4490	4030	6910	1560	2540
7	4700	2640	7420	5350	3770	4600	6210	3110	3560	7820	1430	2040
8	4350	2390	7220	5030	5120	4990	7200	1920	3790	9250	2190	1860
9	4600	3690	1980	2840	3990	5260	8920	4730	2460	8540	3850	1760
10	6840	3850	8850	6010	3270	6750	6830	4410	6380	9830	3330	1660
11	6600	4260	11800	6520	4450	4830	8040	5260	6330	9930	4860	1770
12	4090	4330	9350	7710	3500	4970	5760	4730	4690	8850	5370	1920
13	9670	4370	8600	4460	2790	3270	9040	4440	4320	7620	4880	2880
14	2720	2570	9140	5970	2840	3180	8080	2790	6680	8890	3000	1910
15	3450	3420	6900	8590	3660	4330	10200	3020	5160	8920	4840	2390
16	6710	2920	7170	5990	2650	5330	8370	3900	6520	5470	4820	2780
17	1930	3350	7340	6280	2550	7750	6690	3230	6070	5340	3540	1350
18	5610	7320	8780	8070	2630	5550	7440	1370	4890	6490	5380	1500
19	4380	5170	8870	8960	1880	5400	6400	2060	2830	5350	6430	978
20	3280	6740	7750	9020	2170	3990	8880	2220	2240	3980	6630	782
21	2040	518	7560	7140	2030	5010	3880	3100	1700	5520	5150	980
22	5310	4290	7460	4660	3300	6360	5820	2080	3560	4610	6560	1300
23	5390	4030	6070	4950	3130	5570	5480	4310	2380	1910	4560	1180
24	3870	5840	5930	7060	3400	5820	3650	4970	3360	1840	7950	1090
25	5020	6100	7170	4790	3820	5690	4470	3330	2370	4140	7380	1080
26	2400	7410	6830	2580	3280	4040	5460	1260	2410	4610	8760	1090
27	2610	3250	8340	3340	2780	4520	5820	2190	2750	4170	6840	1080
28	3710	7550	8120	5750	7850	9580	5500	2430	3610	4190	4720	1080
29	3360	3360	7240	3760	---	8870	6230	1540	5440	5160	5750	1090
30	3310	5840	9280	1790	---	10100	5210	1650	5260	4230	3630	1140
31	2170	---	8180	4060	---	11000	---	1290	---	5310	5260	---
TOTAL	148870	127318	225780	182220	102190	183310	220170	97930	123080	184210	148020	55710
MEAN	4802	4244	7283	5878	3650	5913	7339	3159	4103	5942	4775	1857
MAX	11600	7550	11800	9020	7850	11000	14600	5260	6750	9930	8760	5240
MIN	1300	518	1760	1790	1880	3100	3650	1260	1380	1840	1430	782
CFSM	1.36	1.20	2.06	1.66	1.03	1.67	2.07	0.89	1.16	1.68	1.35	0.52
IN.	1.56	1.34	2.37	1.91	1.07	1.93	2.31	1.03	1.29	1.94	1.56	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	2882	3205	4446	5870	6185	6663	5825	3987	4071	3206	3610	2903		
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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02147020 CATAWBA RIVER BELOW CATAWBA, SC--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	1695516		1798808		4374	
ANNUAL MEAN	4633		4928		7556	
HIGHEST ANNUAL MEAN					1477	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	40700	Sep 10	14600	Apr 1	e 49800	Apr 11 2003
LOWEST DAILY MEAN	518	Nov 21	518	Nov 21	451	Oct 31 2003
ANNUAL SEVEN-DAY MINIMUM	1710	May 25	1060	Sep 19	807	Oct 9 1993
MAXIMUM PEAK FLOW			17300		Dec 10	
MAXIMUM PEAK STAGE			12.45		Dec 10	
ANNUAL RUNOFF (CFSM)	1.31		1.39		22.69	
ANNUAL RUNOFF (INCHES)	17.82		18.90		16.79	
10 PERCENT EXCEEDS	7850		8390		9260	
50 PERCENT EXCEEDS	3580		4700		3060	
90 PERCENT EXCEEDS	1920		1920		1100	

