

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 and discharges Feb. 12 to May 6, 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	960	883	1460	5650	2010	10100	9740	8510	9570	7180	4970	2790
2	932	865	2010	5170	1950	12700	9560	10600	6120	11500	5760	1750
3	1060	844	1890	7740	2820	8950	10100	7600	9190	7560	4820	6100
4	965	830	2280	8210	2150	8700	14400	8870	11500	7990	7570	5270
5	933	861	4010	5660	5170	7300	6290	8360	14600	6400	9460	6190
6	945	2630	2850	5960	3050	10600	5850	12300	12800	5400	8800	2010
7	951	1310	4770	7750	5910	9420	e10400	11600	13900	6960	7340	2330
8	940	881	3360	5840	2820	9460	13400	12700	17100	9680	9030	2370
9	923	934	3540	5510	3340	11500	13900	10700	19800	9470	6560	3860
10	913	895	2930	3380	3540	10800	e39500	9760	15300	10000	8850	4770
11	3130	1140	4480	2730	3610	9410	e49800	11500	14700	6560	9030	3270
12	2580	3280	4520	1850	5670	10500	26600	9530	13100	7640	9230	5340
13	2200	3470	9020	3100	6080	9260	22000	9500	13200	7560	10800	4940
14	2200	8020	8370	2940	4860	6920	19200	5530	11200	9990	11700	4830
15	1320	5650	9620	2610	3320	6860	15600	8870	11300	9880	13300	3860
16	3690	2970	4700	3510	2510	8350	14600	11700	11000	10900	13000	3510
17	1970	4690	7680	2970	3750	11300	14600	7010	11700	11400	12100	2740
18	935	3350	8280	4010	4090	9120	14000	6980	14900	8520	10000	4450
19	994	1550	6730	1700	4650	7830	20700	7700	17400	8080	11100	2660
20	943	2770	7810	2070	3600	20400	23200	5590	13300	9420	10100	2040
21	893	2410	5720	2110	6030	e42400	18100	5570	11800	7180	10400	2280
22	1010	2140	5980	3040	4490	26700	16100	18600	9770	9120	10700	2820
23	982	1900	7540	2510	8660	15900	15700	e44200	9340	6300	9320	3860
24	918	2640	4760	3410	9460	15100	15500	21100	10200	4090	6400	3370
25	877	2350	11600	2220	8270	15100	e10400	16700	9490	4190	4970	7280
26	861	3150	7840	1030	8630	13000	6880	20000	6380	5960	6050	3370
27	890	3560	12300	2890	9730	10400	11900	17800	4240	7390	6810	2970
28	898	e1200	9240	2940	12200	12400	10900	16400	4560	5180	6940	2130
29	1720	3330	9180	2550	---	10100	9780	13300	4080	3830	6230	2620
30	1420	1490	10500	4070	---	9780	9550	11700	7450	6040	3330	2090
31	647	---	8150	6460	---	12500	---	13600	---	6970	3430	---
TOTAL	40600	71993	193120	121590	142370	382860	478250	383880	338990	238340	258100	107870
MEAN	1310	2400	6230	3922	5085	12350	15940	12380	11300	7688	8326	3596
MAX	3690	8020	12300	8210	12200	42400	49800	44200	19800	11500	13300	7280
MIN	647	830	1460	1030	1950	6860	5850	5530	4080	3830	3330	1750
CFSM	0.37	0.68	1.76	1.11	1.44	3.49	4.50	3.50	3.19	2.17	2.35	1.02
IN.	0.43	0.76	2.03	1.28	1.50	4.02	5.03	4.03	3.56	2.50	2.71	1.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	2703	3077	4150	5999	6581	7028	5942	4192	4120	2939	3531	2225
MAX	7722	7780	8630	11270	12570	14200	15940	12380	11300	7688	8733	3883
(WY)	1996	1993	1993	1993	1998	1993	2003	2003	2003	2003	1994	1995
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1992 - 2003	
ANNUAL TOTAL	742509		2757963			
ANNUAL MEAN	2034		7556			
HIGHEST ANNUAL MEAN					7556	2003
LOWEST ANNUAL MEAN					1477	2002
HIGHEST DAILY MEAN	12300	Dec 27	e 49800	Apr 11	e 49800	Apr 11 2003
LOWEST DAILY MEAN	647	Oct 31	647	Oct 31	560	Oct 12 1993
ANNUAL SEVEN-DAY MINIMUM	907	Oct 30	907	Oct 30	807	Oct 9 1993
MAXIMUM PEAK FLOW			Unknown	Apr 11	Unknown	Apr 11 2003
MAXIMUM PEAK STAGE			22.69	Apr 11	22.69	Apr 11 2003
ANNUAL RUNOFF (CFSM)	0.57		2.13		1.23	
ANNUAL RUNOFF (INCHES)	7.80		28.98		16.65	
10 PERCENT EXCEEDS	3600		13900		9510	
50 PERCENT EXCEEDS	1420		6460		2820	
90 PERCENT EXCEEDS	945		1440		1070	

e Estimated

