

SANTEE RIVER BASIN

02153551 BROAD RIVER BELOW CHEROKEE FALLS, SC

LOCATION.--Lat 35°01'52'', long 81°29'34'', Cherokee County, Hydrologic Unit 03050105, at left bank of tailrace below Ninety-nine Island Reservoir, 3.1 mi downstream of Cherokee Falls, and 0.3 mi upstream of Kings Creek.

DRAINAGE AREA.--1,550 mi².

PERIOD OF RECORD.--October 1998 to current.

GAGE.--Data collection platform. Datum of gage is 412.20 ft above NGVD of 1929 (from Duke Power Company).

REMARKS.--Records fair except for estimated daily discharges, which are poor.

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	e6530	1290	2780	2780	2050	e6190	5700	2360	1870	2760	2420	1670
2	e4710	1700	2870	2130	2150	e4640	4290	2250	2950	2520	2240	1700
3	3490	2000	2790	1950	2270	2880	3520	2160	3010	2330	1940	1680
4	2980	e8400	2780	2430	2530	2620	2720	2030	2490	3500	1810	1360
5	2460	e12500	2330	2760	2360	2740	2830	2010	2220	3280	1710	1420
6	2540	e6400	2190	2880	2010	2330	2870	2000	1820	e4200	1780	1090
7	2140	e4600	3190	2520	1900	2040	2780	1900	2110	e11500	1790	1590
8	2290	2990	3380	2680	1770	2530	2930	1730	2050	e45300	1930	1430
9	2210	2740	2830	2190	2540	2710	3150	1730	2490	e15600	3780	1370
10	2100	2700	e23800	1970	2470	2110	2870	2300	2800	e6000	e4200	1390
11	2070	2400	e16800	2340	2580	2300	2490	1910	2700	3580	2550	1340
12	1990	2730	e9300	2450	2160	2280	2750	1930	2650	3660	2280	1260
13	1970	e5500	5870	2240	1950	2010	e4500	1780	2550	5390	1950	1010
14	2250	e4500	4110	e5100	1300	1900	e6000	1930	2980	e5540	1930	1250
15	2090	2780	3110	e5930	1790	2160	e5800	1790	2700	e11100	1890	1560
16	2010	2790	3640	3880	1870	2310	4710	1760	2440	e5830	1750	1660
17	1680	2740	2810	2700	2060	2590	3040	1960	1940	3190	1730	1400
18	1400	2590	2740	2830	2050	2550	2790	1930	2010	2710	1820	1480
19	1680	2530	2580	2560	2070	2310	2900	1950	1940	2780	2210	992
20	1940	2620	2180	2280	1930	2040	3120	2100	2060	2560	2060	990
21	1840	2480	2210	2470	1930	1990	2690	2340	2300	2470	1720	1440
22	1550	2190	2830	2700	2780	1970	2320	2030	2180	2370	1570	1580
23	1590	2390	e3660	2070	2390	3320	2230	1880	1720	2330	2040	1110
24	1660	2700	e7900	1900	2380	3380	2230	1820	1710	2300	e2120	1230
25	1500	4710	e6680	2090	2380	2810	2380	1910	1770	1980	e1480	1140
26	1720	4150	5280	2200	2350	2590	2350	1790	1710	1980	e1380	1130
27	1700	2890	3130	2100	2300	2320	2680	1740	1690	2040	e1380	1320
28	1620	2880	3170	2240	e4090	e14900	1970	1820	e6400	1910	e1550	1530
29	1750	2660	3360	2290	---	e20200	1980	1640	e4500	2280	e1590	1290
30	1730	2690	2950	2180	---	e8900	2270	1520	2910	2620	1770	1280
31	1600	---	2770	2220	---	e6220	---	1710	---	2340	1560	---
TOTAL	68790	106240	146020	81060	62410	121840	94860	59710	74670	167950	61930	40692
MEAN	2219	3541	4710	2615	2229	3930	3162	1926	2489	5418	1998	1356
MAX	6530	12500	23800	5930	4090	20200	6000	2360	6400	45300	4200	1700
MIN	1400	1290	2180	1900	1300	1900	1970	1520	1690	1910	1380	990
CFSM	1.43	2.28	3.04	1.69	1.44	2.54	2.04	1.24	1.61	3.50	1.29	0.88
IN.	1.65	2.55	3.50	1.95	1.50	2.92	2.28	1.43	1.79	4.03	1.49	0.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004	2005
MEAN	1145	1603	2153	1663	2021	2772	2896
MAX	2219	3541	4710	2615	3100	6686	8738
(WY)	2005	2005	2005	2005	2004	2003	2003
MIN	574	630	843	865	985	1473	1104
(WY)	2002	2002	2002	2001	2001	2002	2001

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	1049548		1086172		2116	
ANNUAL MEAN	2868		2976		4201	
HIGHEST ANNUAL MEAN					800	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	e 60000	Sep 9	e 45300	Jul 8	e 60000	Sep 9 2004
LOWEST DAILY MEAN	605	Aug 18	990	Sep 20	138	Sep 14 2002
ANNUAL SEVEN-DAY MINIMUM	990	Aug 4	1210	Sep 19	168	Sep 10 2002
MAXIMUM PEAK FLOW			Unknown		Unknown	
MAXIMUM PEAK STAGE			35.19		40.03	
ANNUAL RUNOFF (CFSM)	1.85		1.92		1.37	
ANNUAL RUNOFF (INCHES)	25.19		26.07		18.55	
10 PERCENT EXCEEDS	4630		4540		3540	
50 PERCENT EXCEEDS	1800		2300		1440	
90 PERCENT EXCEEDS	1150		1580		510	

e Estimated

