

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 good except for estimated daily discharges, which are poor.

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	1540	1670	1900	2010	1550	2060	2190	1820	1410	2340	1420	1720
2	1690	1450	2170	1860	1410	1870	2040	2120	1250	2420	1210	1620
3	1380	1430	1670	1870	1950	1870	1790	1880	1250	2780	1340	1570
4	1470	1330	1660	1510	2520	1840	1490	1850	1200	2320	802	1560
5	1620	1440	2140	1730	2310	1960	1540	1650	1100	2020	1070	1440
6	1610	1720	2090	1950	e3580	1900	1520	1560	1010	1820	1200	986
7	1290	1880	2080	2100	e16700	1620	1750	1520	803	1850	1220	e3000
8	1820	1970	1760	1750	e9270	1590	1600	1710	1320	1340	1110	e36000
9	1510	1970	1920	2110	e7580	1760	1540	1340	1170	1200	762	e60000
10	1960	1380	2380	1800	3190	1780	1550	1580	1430	1340	765	e34000
11	1950	1540	e6300	1870	2750	1680	1370	1540	1180	1390	1020	e10000
12	1710	1570	3930	1630	2430	1690	1520	1510	982	1130	1570	e8000
13	1880	1950	2740	1750	2660	1830	e3150	1420	1310	1840	2430	4790
14	1930	1220	e5790	1810	2380	1580	e11000	1620	1970	1610	1780	3270
15	1740	1440	e8660	1560	2170	1470	3290	1490	e5410	1490	1120	2820
16	1700	1740	3490	1520	2150	1670	2380	1150	e11000	798	1040	3430
17	1280	1140	2920	1750	2280	1770	2110	1160	e5200	1100	1140	e6200
18	1750	1360	2730	1840	2200	1740	1820	1440	2110	987	605	e13000
19	1570	e2600	2500	1480	2240	1530	1660	1590	2120	1030	1670	e9900
20	1300	e7300	2380	1620	1710	1590	1750	1630	1640	1080	1380	e6000
21	1350	e5100	2220	1780	2040	1370	1870	1520	1400	1260	977	4350
22	1650	2960	2260	1700	1920	1350	1700	1390	1810	1110	1360	3520
23	1290	2260	2260	1700	1650	1420	1610	1110	2770	1060	1350	3010
24	1470	2090	2240	1760	1730	1510	1640	1080	e5000	970	1160	2120
25	1450	1990	2210	1500	1980	1490	1320	1160	e3500	940	1550	2830
26	1440	2080	2190	1550	1510	1470	1270	1380	e10000	948	1270	1910
27	1670	2010	2040	1890	1900	1500	1770	1160	3150	1350	1150	1860
28	1970	1950	2010	1680	2070	1320	1880	1150	2150	2010	1120	e12500
29	1970	2110	2120	1770	2070	1310	1590	1010	2120	1910	837	e11500
30	1640	2170	1860	1440	---	1380	1400	916	2020	1650	1060	e10000
31	1590	---	1930	1780	---	1820	---	1160	---	1490	1300	---
TOTAL	50190	62820	84550	54070	89900	50740	63110	44616	78785	46583	37788	262906
MEAN	1619	2094	2727	1744	3100	1637	2104	1439	2626	1503	1219	8764
MAX	1970	7300	8660	2110	16700	2060	11000	2120	11000	2780	2430	60000
MIN	1280	1140	1660	1440	1410	1310	1270	916	803	798	605	986
CFSM	1.04	1.35	1.76	1.13	2.00	1.06	1.36	0.93	1.69	0.97	0.79	5.65
IN.	1.20	1.51	2.03	1.30	2.16	1.22	1.51	1.07	1.89	1.12	0.91	6.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004
MEAN	930	1280	1727	1504	1987	2579
MAX	1619	2094	3312	2021	3100	6686
(WY)	2004	2004	2003	1999	2004	2003
MIN	574	630	843	865	985	1473
(WY)	2002	2002	2002	2001	2001	2002

02153551 BROAD RIVER BELOW CHEROKEE FALLS, SC--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	1553592		926058		1945	
ANNUAL MEAN	4256		2530		4201	
HIGHEST ANNUAL MEAN					800	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	e 50000	Mar 21	e 60000	Sep 9	e 60000	Sep 9 2004
LOWEST DAILY MEAN	971	Jan 26	605	Aug 18	138	Sep 14 2002
ANNUAL SEVEN-DAY MINIMUM	1150	Jan 21	990	Aug 4	168	Sep 10 2002
MAXIMUM PEAK FLOW			Unknown		Unknown	
MAXIMUM PEAK STAGE			40.03		40.03	
ANNUAL RUNOFF (CFSM)	2.75		1.63		1.25	
ANNUAL RUNOFF (INCHES)	37.29		22.23		17.05	
10 PERCENT EXCEEDS	9080		3210		3450	
50 PERCENT EXCEEDS	2460		1710		1240	
90 PERCENT EXCEEDS	1380		1150		473	

e Estimated

