

SANTEE RIVER BASIN

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02153200 BROAD RIVER NEAR BLACKSBURG, SC

LOCATION.--Lat 35°07'26'', long 81°35'17'', Cherokee County, Hydrologic Unit 03050105, at upstream side of bridge on SC Highway 18, 1.2 mi upstream of Buffalo Creek, 1.2 mi downstream of Gaston Shoals Reservoir, 3.2 mi west of Blacksburg, and at mile 275.2.

DRAINAGE AREA.--1,290 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Data collection platform and crest-stage gage. Elevation of gage is 550 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records good 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	3430	1310	2360	2690	2060	5250	3940	2460	1770	2580	2260	1280
2	3130	1720	2440	1970	2110	3730	3670	2280	2830	2380	2010	1340
3	2710	2300	2400	1900	2210	2710	3360	2310	2850	2120	1730	1130
4	2230	8740	2330	2500	2420	2570	2850	2010	2340	3070	1550	909
5	2190	8290	1870	2720	2240	2730	3080	2070	1940	2820	1350	934
6	2240	4390	1920	2790	1820	2250	3020	2080	1610	4060	1550	835
7	2200	3120	2610	2390	1640	1880	2860	1940	2230	e9390	1480	1450
8	2140	2400	2650	2650	1920	2560	3070	1590	1900	e23500	1860	1030
9	2140	2690	2590	2040	2120	2630	3210	1670	2100	7340	3310	1030
10	1970	2380	e20700	1900	2620	2000	2950	2660	2210	4020	3660	1120
11	1910	2280	8060	2490	2360	2340	2480	1500	2210	3290	2360	848
12	e1990	2680	4460	2310	2040	2220	2790	1940	2310	3530	2050	680
13	2000	4820	3360	2250	1990	1940	3910	1620	2340	3980	1720	618
14	2280	3100	3150	5280	963	1620	4900	1960	2770	4390	1740	979
15	2110	2500	2850	4570	1610	2260	4700	1620	2500	8820	1510	1080
16	2040	2360	3150	2900	1850	2230	3620	1630	2220	3940	1300	1140
17	1550	2340	2680	2370	1990	2500	3100	1860	1670	3040	1510	1080
18	1400	2210	2620	2660	1960	2460	2930	1840	1850	2690	1390	793
19	1790	2330	2420	2520	2060	2160	3020	1830	1700	2750	1980	520
20	2080	2340	2000	2330	1700	1930	3290	1990	1980	2480	1800	827
21	1850	2200	2320	2450	1830	1700	2260	2140	2070	2360	1140	1030
22	1680	1850	2740	2660	2720	1880	2420	1840	1920	2260	1090	970
23	1880	2220	3380	1950	2330	2880	2390	1630	1360	2260	2220	754
24	1590	2420	6820	1990	2300	3070	2390	1740	1320	2140	1860	781
25	1640	3220	4420	2170	2310	2720	2510	1860	1460	1760	1270	605
26	1820	2950	3460	2000	2320	2470	2540	1520	1250	1860	1340	610
27	1830	2610	2950	2220	2260	2220	2870	1610	1350	1870	1310	1060
28	1780	2650	3080	2260	4270	14300	1540	1640	5410	1810	1470	913
29	1910	2320	3080	2270	---	10900	2190	1220	3500	2280	1440	856
30	1880	2370	2830	2140	---	5600	2400	1160	2770	2310	1440	915
31	1540	---	2710	2100	---	4280	---	1600	---	2140	1240	---
TOTAL	62930	89110	114410	77440	60023	101990	90260	56820	65740	123240	53940	28117
MEAN	2030	2970	3691	2498	2144	3290	3009	1833	2191	3975	1740	937
MAX	3430	8740	20700	5280	4270	14300	4900	2660	5410	23500	3660	1450
MIN	1400	1310	1870	1900	963	1620	1540	1160	1250	1760	1090	520
CFSM	1.57	2.30	2.86	1.94	1.66	2.55	2.33	1.42	1.70	3.08	1.35	0.73
IN.	1.81	2.57	3.30	2.23	1.73	2.94	2.60	1.64	1.90	3.55	1.56	0.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	1180	1451	1863	1964	2220	2477	2520	1911
MAX	2030	2970	3691	4250	4675	4596	5539	4956
(WY)	2005	2005	2005	1998	1998	2003	2003	2003
MIN	531	567	816	930	973	960	1086	817
(WY)	2002	2002	2002	2001	2001	2001	2002	2001

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	840711		924020		1802	
ANNUAL MEAN	2297		2532		3197	
HIGHEST ANNUAL MEAN					744	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	e 48000	Sep 9	e 23500	Jul 8	e 48000	Sep 9 2004
LOWEST DAILY MEAN	692	Aug 16	520	Sep 19	41	Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	910	Aug 5	784	Sep 19	90	Aug 9 2002
MAXIMUM PEAK FLOW			Unknown		Unknown	
MAXIMUM PEAK STAGE			16.65		21.92	
ANNUAL RUNOFF (CFSM)	1.78		1.96		1.40	
ANNUAL RUNOFF (INCHES)	24.24		26.65		18.98	
10 PERCENT EXCEEDS	3260		3510		3140	
50 PERCENT EXCEEDS	1680		2220		1390	
90 PERCENT EXCEEDS	1010		1290		503	

e Estimated

