

02161000 BROAD RIVER AT ALSTON, SC

LOCATION.--Lat 34°14'35'', long 81°19'11'', Fairfield County, Hydrologic Unit 03050106, on left bank at Southern Railway Alston-Peak trestle, 1.2 mi downstream from Parr Shoals Dam, and at mile 200.2.

DRAINAGE AREA.--4,790 mi².

PERIOD OF RECORD.--October 1896 to December 1907, October 1980 to current year.

REVISED RECORDS.--WRD SC-82-1: 1982(M).

GAGE.--Data collection platform. Datum of gage is 211.91 ft above sea level. Oct. 1, 1896 to Dec. 31, 1907, nonrecording gage at same site at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records for the 1897-1908 water years are poor. Regulation at low and medium flow by powerplants above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1750	2970	4340	1160	10100	3240	2470	e6100	2430	926	2340	1130
2	1710	3810	4010	2170	5780	1140	2410	5690	1170	1140	1980	1080
3	1870	1900	2010	4280	7640	1100	6340	5040	727	1060	1860	1070
4	1850	1870	1860	4260	6780	2200	5300	4700	715	1720	2860	3410
5	2290	1910	1810	3040	4880	4520	4690	1840	907	1440	2450	5080
6	3150	2060	1160	1180	4960	4980	4870	2690	2270	942	1760	4950
7	2970	3220	3280	2290	5090	7160	4850	3780	3380	941	1860	1910
8	1480	3370	e1280	3190	4150	5090	4600	4910	2530	903	1360	647
9	1180	3310	e1120	3140	1700	3940	4810	1910	1860	897	1140	638
10	1690	2290	1740	4050	1910	1810	5020	1980	1600	946	1140	740
11	5080	1480	3500	5800	1850	2270	4490	3300	1570	927	1130	934
12	15200	1960	4090	13300	3230	3010	2660	2560	1620	916	1050	938
13	15700	1840	4070	8770	8040	3280	2580	3190	944	1030	1030	941
14	9410	1820	e2460	5410	6160	3770	2560	2690	669	1030	1080	941
15	1730	1920	e2170	4160	18100	3210	3880	2010	639	1300	1100	946
16	1380	1910	3350	4150	13200	3280	7390	1890	653	1610	1100	950
17	2370	1970	3790	4170	7330	3290	14700	1760	1200	1700	1100	929
18	2940	1850	4090	1220	5910	4700	6580	1770	1460	1740	1090	950
19	2960	1880	3910	2350	4760	10200	5120	2390	1570	1760	1060	977
20	1480	1920	4040	3440	4580	14900	5840	3120	1660	1590	1030	941
21	1340	1770	4050	3370	4950	24800	4820	2060	1670	855	1050	949
22	1830	e1870	1240	3690	4980	28800	4430	1730	1680	844	1050	1510
23	1750	1850	3790	3990	4150	22500	4410	1700	1650	805	993	8350
24	1750	1850	4050	12800	2590	11200	1890	1610	1560	891	494	11000
25	2950	1810	3950	6930	2590	6960	3380	1690	1360	1520	662	2480
26	2810	2100	3900	11900	3520	5400	4880	1670	777	2170	657	2980
27	1790	3390	4130	7480	4040	4810	4890	2250	774	2470	661	3570
28	1270	4020	3070	5060	4510	5020	4990	2360	772	1080	657	3430
29	1130	4200	1170	5220	4990	4920	e4610	2290	801	1040	691	1660
30	1080	4110	1170	4850	---	5030	e4620	2380	939	1050	982	1030
31	1080	---	1160	10400	---	4760	---	2440	---	1260	1140	---
TOTAL	96970	72230	89760	157220	162470	211290	144080	85500	41557	38503	38557	67061
MEAN	3128	2408	2895	5072	5602	6816	4803	2758	1385	1242	1244	2235
MAX	15700	4200	4340	13300	18100	28800	14700	6100	3380	2470	2860	11000
MIN	1080	1480	1120	1160	1700	1100	1890	1610	639	805	494	638
CFSM	.65	.50	.60	1.06	1.17	1.42	1.00	.58	.29	.26	.26	.47
IN.	.75	.56	.70	1.22	1.26	1.64	1.12	.66	.32	.30	.30	.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2000, BY WATER YEAR (WY)

	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	4402	4601	6877	8468	10770	10920	8372	5597	5476	3877	5737	3832																																																																																												
MAX	17360	14500	15680	18770	22650	25610	20430	13880	20820	9319	27730	17100																																																																																												
(WY)	1991	1993	1908	1906	1903	1903	1901	1901	1903	1905	1901	1901																																																																																												
MIN	1615	1805	2431	3040	3443	3685	2864	2572	1385	1218	1072	1042																																																																																												
(WY)	1905	1982	1989	1981	1898	1981	1986	1988	2000	1986	1988	1999																																																																																												

SANTEE RIVER BASIN

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1897 - 2000	
ANNUAL TOTAL	1222637		1205198		6535	
ANNUAL MEAN	3350		3293		11750	
HIGHEST ANNUAL MEAN					3100	
LOWEST ANNUAL MEAN					1988	
HIGHEST DAILY MEAN	20800	Feb 3	28800	Mar 22	130000	Jun 7 1903
LOWEST DAILY MEAN	586	Aug 20	494	Aug 24	235	Jul 15 1904
ANNUAL SEVEN-DAY MINIMUM	734	Aug 17	686	Aug 24	686	Aug 24 2000
INSTANTANEOUS PEAK FLOW			40100	Mar 21	a 140000	Jun 7 1903
INSTANTANEOUS PEAK STAGE			15.64	Mar 21	a 29.02	Jun 7 1903
ANNUAL RUNOFF (CFSM)	.70		.69		1.36	
ANNUAL RUNOFF (INCHES)	9.50		9.36		18.54	
10 PERCENT EXCEEDS	5150		5790		12600	
50 PERCENT EXCEEDS	2730		2270		4340	
90 PERCENT EXCEEDS	968		942		1770	

a At datum then in use and from rating curve extended above 72,000 ft³/s.

e Estimated

