

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 NGVD of 1929. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15600	3560	3830	5340	4830	13000	11300	4520	3510	11700	4780	2620
2	6780	2730	4380	4700	4860	16000	13000	4300	23800	7800	5060	2660
3	6540	2910	4370	4710	4930	5780	8300	4680	13600	5100	4590	2660
4	7120	3630	4510	4200	5000	6410	9980	4670	13500	7040	3940	2620
5	4940	12200	4390	4350	5010	6040	7270	3750	4460	6000	3410	2930
6	6480	11600	3630	4860	6030	5900	7210	4080	5460	5940	3640	1600
7	4260	5190	3800	4860	5050	5980	7860	3710	4200	7780	3140	1410
8	4070	7880	4890	4660	4970	5710	5360	3970	4310	19000	3400	1290
9	3980	4320	5030	4670	5020	10100	10100	3570	4810	30700	4060	2380
10	3970	4600	6670	4320	4860	6570	6390	2840	5390	25700	4830	2370
11	3790	4350	27600	3380	4820	4880	10100	3620	4310	15900	10100	1840
12	3170	3510	25200	3830	4580	4760	5680	3860	4930	5890	6400	2130
13	3990	4500	15400	4690	4490	4700	12600	3760	7630	3860	4920	1910
14	4080	6280	9320	5260	2650	4760	10100	3100	4110	7280	4320	2100
15	4040	7470	7660	14100	4300	4050	10700	3710	4440	10500	4080	1330
16	3890	3860	4860	7340	3940	5300	12300	4160	4040	13800	3920	1560
17	3840	4290	5480	8060	3940	11200	5490	3400	4190	5040	2880	2540
18	3850	3980	4560	4650	4970	10300	5480	3330	3750	5770	3210	2110
19	2520	4340	5300	4760	3190	7220	6790	3860	3290	6260	4600	1830
20	3160	4160	6640	6220	3290	5620	7310	4190	3800	6270	4120	1610
21	3970	3350	4420	3840	4020	4990	5970	4230	3220	4520	4040	1360
22	3440	3750	4200	4570	10100	5270	4560	4410	3850	4520	3460	1570
23	2810	5630	4690	4630	6260	5120	4490	6000	3900	4090	3360	2120
24	3450	4580	5020	4700	9160	7700	3810	4100	3370	3430	3450	1720
25	3690	4550	8250	4080	10400	11000	6000	3150	2620	4630	3450	1840
26	2740	4840	15900	3500	5370	6810	5780	3440	2670	4450	2680	2020
27	3910	e5180	6560	4080	7610	5660	5300	2710	3460	2840	2930	1610
28	3050	e4830	4750	4810	8450	17400	4420	3130	4030	4090	2850	1600
29	2580	e5370	e5280	3780	---	38600	4550	2990	17400	3660	3130	1220
30	3620	4700	e5610	3460	---	37500	4670	3540	11400	4180	3270	1210
31	3600	---	5260	4850	---	26300	---	3170	---	4300	2500	---
TOTAL	136930	152140	227460	155260	152100	310630	222870	117950	183450	252040	124520	57770
MEAN	4417	5071	7337	5008	5432	10020	7429	3805	6115	8130	4017	1926
MAX	15600	12200	27600	14100	10400	38600	13000	6000	23800	30700	10100	2930
MIN	2520	2730	3630	3380	2650	4050	3810	2710	2620	2840	2500	1210
CFSM	0.92	1.06	1.53	1.05	1.13	2.09	1.55	0.79	1.28	1.70	0.84	0.40
IN.	1.06	1.18	1.77	1.21	1.18	2.41	1.73	0.92	1.42	1.96	0.97	0.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2005, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)
MEAN	4130	4432	6621	7795	10020	10650	8236	5529	5343	3949	5427	3950
MAX	17360	14500	15680	18770	22650	25610	20430	14830	20820	9319	27730	17100
(WY)	1991	1993	1908	1906	1903	1903	1901	2003	1903	1905	1901	1901
MIN	1059	1276	1894	2517	2537	3685	2864	1783	968	849	546	1042
(WY)	2002	2002	2002	2001	2001	1981	1986	2001	2002	2002	2002	1999

SANTEE RIVER BASIN

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1897 - 2005	
ANNUAL TOTAL	1883323		2093120		6302	
ANNUAL MEAN	5146		5735		11750	
HIGHEST ANNUAL MEAN					2153	
LOWEST ANNUAL MEAN					130000	
HIGHEST DAILY MEAN	90500	Sep 10	38600	Mar 29	200	Jun 7 1903
LOWEST DAILY MEAN	846	Aug 11	1210	Sep 30	48	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	1590	Aug 5	1600	Sep 24	200	Aug 11 2002
MAXIMUM PEAK FLOW			47000	Mar 29	a 140000	Jun 7 1903
MAXIMUM PEAK STAGE			17.27	Mar 29	a 29.02	Jun 7 1903
ANNUAL RUNOFF (CFSM)	1.07		1.20		1.32	
ANNUAL RUNOFF (INCHES)	14.63		16.26		17.87	
10 PERCENT EXCEEDS	8120		10100		12200	
50 PERCENT EXCEEDS	3620		4520		4190	
90 PERCENT EXCEEDS	2000		2700		1630	

a At datum then in use.

e Estimated

