

**SAVANNAH RIVER BASIN
1999 Water Year**

**02187252 SAVANNAH RIVER BELOW HARTWELL LAKE NEAR
HARTWELL, GA.**

LOCATION.--Lat 34°21'15", long 82°48'55", Anderson County, S.C., Hydrologic Unit 03060103, on left bank at Highway 29, 6.8 miles east of Hartwell, and at mile 304.5.

DRAINAGE AREA.--2,090 mi², approximately.

PERIOD OF RECORD.--October 1984 to current year.

REVISED RECORDS.--WDR GA-91-1: 1990.

GAGE.—Satellite transmitter. Elevation of gage is 470 feet above sea level (from topographic map).

REMARKS.--Records good, except those for periods of estimated daily discharge, which are poor. Flow regulated by Hartwell Lake (See "Lakes and Reservoirs in Savannah River Basin", station 02187250). Discharge is affected by backwater from Richard B. Russell Reservoir (See "Lakes and Reservoirs in Savannah River Basin", station 02189004) when the reservoir elevation exceeds about 476 feet, therefore, the daily mean discharge is not shown for Dec. 6, 7, 9-21, 23-31, Jan. 1-4, 8-28, Feb. 4-28, Mar. 1-31, Apr. 1-30, May 1-3, 8-26, and June 7-23. Current water year information can be obtained by contacting the USGS, South Carolina District.

STATION NUMBER 02187252 SAVANNAH RIVER BELOW HARTWELL LK NR HARTWELL, GA STREAM SOURCE AGENCY USGS
 LATITUDE 342115 LONGITUDE 0824855 DRAINAGE AREA 2090. DATUM 470. STATE 45 COUNTY 007
 ,PUBLISHED

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3730	23	3150	3640	6420	4920	2790	38	3360	4080	2990	3540
2	2070	2550	2840	37	6250	5420	3070	39	2460	4270	5300	4120
3	24	3270	2950	198	5960	5490	908	2600	3150	24	3430	4140
4	25	3760	2840	4360	5910	4950	1170	2830	3080	24	2870	628
5	2560	3060	36	7410	5770	2830	4680	3740	21	5100	2660	875
6	3760	3750	844	5580	2470	43	3660	4370	1010	7310	2450	1900
7	3630	817	4030	1640	2430	652	3800	3060	2470	6170	1200	5210
8	3420	992	3620	1970	6930	4460	4060	263	4850	4650	681	5360
9	3740	3250	5640	38	4690	5070	2000	691	4300	3720	4580	3610
10	24	2810	3030	1110	4740	2620	816	3080	4100	1690	4110	3540
11	24	2710	2990	5560	4850	2900	562	3490	911	25	4590	12
12	4100	3150	226	4040	4770	2390	3330	2960	68	5050	4300	11
13	4080	2650	501	3150	1930	43	3260	2240	28	4870	4500	2370
14	3510	43	3490	3560	2700	44	3680	2400	2410	4190	2610	3830
15	3060	503	2910	3120	3830	5700	3260	49	2580	4330	1150	4130
16	3810	3600	3010	1340	3930	4560	3480	52	2340	3710	4480	2370
17	24	2440	3780	718	3340	4150	1680	2390	2590	23	5080	2390
18	23	2220	3400	3330	3150	3860	212	3030	2220	21	4830	12
19	4030	1550	403	3470	2270	2240	3740	3070	26	6190	5370	12
20	4150	2070	32	4220	44	41	2800	2500	26	5890	2780	3760
21	4010	489	3720	3970	732	235	3740	1850	4330	6480	448	4100
22	4820	20	3480	1870	4420	3810	3650	582	3970	5320	20	3130
23	4100	4080	4570	27	4020	3620	3430	184	3690	5400	5890	4110
24	608	4050	1050	756	3400	4010	406	5670	3200	22	5610	3010
25	931	3120	1690	4310	3490	3830	206	2010	3430	21	5320	11
26	3960	565	32	3910	1940	2890	4190	2540	19	5170	5630	11
27	3400	682	32	3380	27	662	4000	2680	19	5370	5540	4140
28	3080	367	3550	3950	27	1240	5380	2910	4780	5380	1320	5100
29	3400	478	3360	4080	---	4140	3200	208	3780	6220	1020	855
30	3610	3510	3730	2940	---	2290	1830	512	4130	5360	4620	351
31	872	---	3940	3240	---	2360	---	1920	---	4500	2710	---

TOTAL	82585	62579	78876	90924	100440	91470	82990	63958	73348	120580	108089	76638
MEAN	2664	2086	2544	2933	3587	2951	2766	2063	2445	3890	3487	2555
MAX	4820	4080	5640	7410	6930	5700	5380	5670	4850	7310	5890	5360
MIN	23	20	32	27	27	41	206	38	19	21	20	11
CFSM	1.27	1.00	1.22	1.40	1.72	1.41	1.32	.99	1.17	1.86	1.67	1.22
IN.	1.47	1.11	1.40	1.62	1.79	1.63	1.48	1.14	1.31	2.15	1.92	1.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1999, BY WATER YEAR (WY)

MEAN	2749	2792	3740	3104	2753	2511	3697	2962	3149	3466	3524	3105
MAX	3950	5219	7267	5075	3782	3155	8188	5805	5042	5647	4281	3898
(WY)	1988	1990	1990	1985	1985	1985	1993	1993	1997	1987	1995	1990
MIN	1904	1865	2073	2132	2101	1910	2113	1955	2069	1776	2209	2217
(WY)	1989	1987	1989	1989	1986	1986	1989	1988	1989	1989	1988	1988

SUMMARY STATISTICS

FOR 1999 WATER YEAR

WATER YEARS 1985 - 1999

ANNUAL TOTAL	1032477	
ANNUAL MEAN	2829	2879
HIGHEST ANNUAL MEAN		3414 1985
LOWEST ANNUAL MEAN		2383 1989
HIGHEST DAILY MEAN	7410 Jan 5	21000 May 4 1998
LOWEST DAILY MEAN	11 Sep 12	10 Apr 28 1996
ANNUAL SEVEN-DAY MINIMUM	1560 Jun 11	656 Jul 26 1989
INSTANTANEOUS PEAK FLOW	25300 Aug 24	.00 Aug 17 1994
INSTANTANEOUS PEAK STAGE	10.91 Aug 24	17.18 Aug 17 1994
INSTANTANEOUS LOW FLOW	10 Sep 5	
ANNUAL RUNOFF (CFSM)	1.35	1.38
ANNUAL RUNOFF (INCHES)	18.38	18.71
10 PERCENT EXCEEDS	5130	6800
50 PERCENT EXCEEDS	3120	3160
90 PERCENT EXCEEDS	38	102

STATISTICS COMPUTED BY: dskipper

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