

**SAVANNAH RIVER BASIN**  
**1999 Water Year**

**02197320 SAVANNAH RIVER NEAR JACKSON, SC**

**LOCATION.**--Lat 33°13'01", long 81°46'04", Aiken County, SC-Burke County, GA, Hydrologic Unit 03060106, on left bank 0.5 miles downstream from Upper Three Runs Creek, 6.2 miles south of Jackson, 15.2 miles upstream from Steel Creek, and at mile 156.8.

**DRAINAGE AREA.**--7,800 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--October 1971 to current year, discharge defined below 22,000 ft<sup>3</sup>/s, only.

**REVISED RECORDS.**--WDR SC-90-1: 1983.

**GAGE.**—Satellite transmitter. Datum of gage is 77.0 feet above sea level.

**REMARKS.**--Records good, except those for period of estimated daily discharges, which are fair. Water is diverted from above and below the gage by the Savannah River Plant; with the volume diverted varying from day to day. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake, and affected, to some degree, by the Savannah River Plant operations (See "Lakes and Reservoirs in Savannah River Basin", station 02178500, 02179500, 02187250, 02189004, and 02194500). At times of high flow, bank-full capacity is exceeded in the intervening channel reach, therefore, daily mean discharges greater than 22,000 ft<sup>3</sup>/s are not shown for Jan. 29 to March 20, March 23-25, Apr. 12-15, 18-26, and May 1-9, 15-18. Current water year information can be obtained by contacting the USGS, South Carolina District.

STATION NUMBER 02197320 SAVANNAH R. NR JACKSON, SC STREAM SOURCE AGENCY USGS  
 LATITUDE 331301 LONGITUDE 0814604 DRAINAGE AREA 7800.00 DATUM 77.00 STATE 45 COUNTY 003

,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	8530	6520	7260	6340	7980	5990	6840	6830	4830	6420	5480	7720
2	8680	6360	7600	5950	12400	5680	6710	6530	5070	7130	5370	7330
3	7290	6990	6710	6140	16600	5450	7110	6360	5410	6820	5350	7870
4	6320	8090	6660	6410	15400	7460	6750	5870	5500	6330	5290	8410
5	6480	8590	6550	7070	10600	7560	6870	6160	5440	5970	5490	7080
6	6660	8380	6180	7740	8950	6110	7740	6240	5220	6070	5230	7670
7	6990	7770	6150	6900	9090	6010	7490	6130	5420	6230	5230	8000
8	7420	6710	6860	6050	8670	6300	7860	5950	5640	6430	4890	8350
9	7520	6640	7240	5990	11700	7670	8710	6370	5330	6070	4990	8460
10	7090	7730	7150	6230	13200	7510	7690	5910	5280	5980	e5920	8290
11	7500	7390	6860	6960	13100	6610	7120	5750	5190	5820	e6580	8090
12	6640	7650	6430	6950	12600	6200	7520	5600	5050	6440	6930	5880
13	6970	7240	6580	6020	11700	6310	7010	5770	5220	7480	7110	5990
14	6940	7590	6830	5990	9660	6950	6990	5690	5280	7380	6210	5930
15	7810	7360	7240	7070	9440	7920	7010	5400	5040	6790	6260	6530
16	8150	7230	7640	6730	9030	11100	7310	5000	5710	6700	6550	5840
17	7130	7380	7930	6570	7630	10600	6500	5080	7770	7020	8020	5310
18	6200	7210	7400	7330	7400	7380	5460	6010	9020	6520	8790	5160
19	5880	7720	7270	9190	7220	6820	6000	6500	6500	6440	8860	4710
20	5740	7460	6730	7820	7250	6610	6850	5580	5650	6390	8560	4840
21	5650	8250	6350	6960	5870	6200	6950	5340	5550	6060	8610	5610
22	6940	6850	6610	7380	6330	6320	6680	5420	5580	5620	7320	5790
23	7020	6570	6490	7960	7870	7180	6820	5910	5590	6700	5970	5520
24	5950	8120	6480	7470	8600	7620	6490	5960	5550	7020	7370	5400
25	5810	9110	7180	8780	7950	7290	6420	5800	5580	6140	8490	5110
26	7620	8860	6750	10300	6890	7480	6360	5760	5590	6050	8200	5290
27	14900	6690	6530	8620	5590	7550	5890	5810	5600	6950	8270	5570
28	17000	6120	6400	7190	5760	7220	6030	5290	5550	7040	7860	6840
29	14600	6880	6240	6600	---	6760	7180	5010	5970	5960	6740	7290
30	8680	7030	6250	6450	---	6440	6680	5400	6020	5720	6220	5950
31	6530	---	5860	6820	---	7020	---	5040	---	5550	7430	---

TOTAL	242640	222490	210410	219980	264480	219320	207040	179470	170150	199240	209590	195830
MEAN	7827	7416	6787	7096	9446	7075	6901	5789	5672	6427	6761	6528
MAX	17000	9110	7930	10300	16600	11100	8710	6830	9020	7480	8860	8460
MIN	5650	6120	5860	5950	5590	5450	5460	5000	4830	5550	4890	4710
CFSM	1.00	.95	.87	.91	1.21	.91	.88	.74	.73	.82	.87	.84
IN.	1.16	1.06	1.00	1.05	1.26	1.05	.99	.86	.81	.95	1.00	.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1999, BY WATER YEAR (WY)

MEAN	7750	7609	9264	10400	10890	8937	8946	8311	8258	7340	7678	7425
MAX	14280	14570	16880	16960	18670	13760	14560	13930	16820	11430	16510	11270
(WY)	1990	1976	1990	1974	1973	1977	1984	1975	1979	1991	1991	1994
MIN	4859	4563	4750	5162	5833	5728	5461	4720	4560	4530	4628	5423
(WY)	1987	1982	1989	1989	1989	1988	1988	1988	1988	1988	1988	1988

SUMMARY STATISTICS

FOR 1999 WATER YEAR

WATER YEARS 1972 - 1999

ANNUAL TOTAL	2540640	
ANNUAL MEAN	6961	6678
HIGHEST ANNUAL MEAN		8361 1992
LOWEST ANNUAL MEAN		5600 1988
HIGHEST DAILY MEAN	17000	22000 Nov 30 1976
LOWEST DAILY MEAN	4710	3220 Dec 9 1981
ANNUAL SEVEN-DAY MINIMUM	5150	3770 Dec 4 1981
INSTANTANEOUS PEAK FLOW	17300	.00 Apr 11 1983
INSTANTANEOUS PEAK STAGE	15.23	21.57 Apr 11 1983
ANNUAL RUNOFF (CFSM)	.89	.86
ANNUAL RUNOFF (INCHES)	12.12	11.63
10 PERCENT EXCEEDS	8540	16900
50 PERCENT EXCEEDS	6700	7500
90 PERCENT EXCEEDS	5450	5440

STATISTICS COMPUTED BY: sellisor

DATE: 04/13/2000 AT: 09:27:50

e Estimated