

SAVANNAH RIVER BASIN

02197400 LOWER THREE RUNS NEAR SNELLING, SC

LOCATION.--Lat 33°10'35", long 81°28' 50", Barnwell County, Hydrologic Unit 03060106, near left bank at upstream side of bridge on State road 20, 1.0 mi upstream from Patterson Branch and 4.7 mi south of Snelling.

DRAINAGE AREA.--59.3 mi².

PERIOD OF RECORD.--March 1974 to December 1996, May 1997 to current year.

GAGE.--Data collection platform. Elevation of gage is 117 ft above sea level (from topographic map).

REMARKS.--Records good except for discharges below 30 ft³/s, which are poor. Flow regulated by Savannah River Site operations.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	25	34	37	40	38	49	29	29	31	23	35
2	27	25	32	36	38	37	44	29	29	29	22	27
3	25	25	32	35	37	67	48	32	27	34	22	27
4	24	25	31	34	38	169	50	32	32	94	22	45
5	24	26	29	34	39	79	45	31	27	44	22	51
6	24	26	29	34	37	56	43	28	26	33	22	35
7	24	27	28	33	35	51	42	27	25	29	22	28
8	23	28	28	49	35	48	40	27	27	28	22	25
9	23	51	28	46	35	47	40	27	28	28	20	28
10	22	29	60	38	39	47	39	27	27	27	17	34
11	21	26	44	35	37	45	37	26	26	26	20	30
12	21	25	39	42	40	48	36	26	44	38	19	34
13	20	25	35	41	41	81	33	29	122	44	19	28
14	20	32	34	36	40	52	33	27	66	33	61	26
15	20	31	34	34	38	121	37	26	39	29	41	25
16	19	26	32	35	36	107	44	25	32	27	29	24
17	18	36	35	39	37	58	57	24	49	26	26	23
18	16	31	33	36	35	51	57	24	33	24	30	23
19	19	63	32	39	34	47	37	23	29	24	40	23
20	22	74	31	106	34	68	34	25	27	25	36	27
21	23	38	31	60	34	77	33	29	28	24	36	36
22	23	31	31	46	73	56	32	26	32	23	28	33
23	24	28	29	42	72	49	32	34	29	23	24	29
24	24	27	29	40	45	46	32	28	27	26	23	32
25	25	83	29	39	54	50	37	25	38	26	22	41
26	25	77	28	37	73	50	38	27	37	33	22	33
27	25	39	28	37	46	44	34	25	33	30	21	30
28	25	32	45	37	41	42	32	24	33	40	21	28
29	25	30	87	36	---	68	31	78	37	32	20	26
30	25	35	49	41	---	79	30	52	32	28	22	25
31	25	---	40	42	---	55	---	33	---	25	23	---
TOTAL	707	1076	1106	1276	1183	1933	1176	925	1070	983	797	911
MEAN	22.8	35.9	35.7	41.2	42.2	62.4	39.2	29.8	35.7	31.7	25.7	30.4
MAX	27	83	87	106	73	169	57	78	122	94	61	51
MIN	16	25	28	33	34	37	30	23	25	23	17	23
CFSM	.38	.60	.60	.69	.71	1.05	.66	.50	.60	.53	.43	.51
IN.	.44	.67	.69	.80	.74	1.21	.74	.58	.67	.62	.50	.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2001, BY WATER YEAR (WY)

MEAN	60.2	66.2	79.3	104	111	118	87.8	71.7	63.4	58.1	71.7	65.0
MAX	202	122	142	186	231	286	198	165	122	154	290	204
(WY)	1991	1991	1990	1978	1998	1998	1980	1984	1992	1975	1991	1991
MIN	20.4	23.7	35.7	41.2	37.8	44.4	30.3	23.7	23.7	20.1	17.7	17.8
(WY)	1989	1982	2001	2001	2000	1985	1985	1985	1986	1981	1999	1981

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1974 - 2001
ANNUAL TOTAL	13508	13143	80.8
ANNUAL MEAN	36.9	36.0	145 1991 36.0 2001
HIGHEST ANNUAL MEAN			
LOWEST ANNUAL MEAN			
HIGHEST DAILY MEAN	689 Sep 23	169 Mar 4	743 Oct 23 1990
LOWEST DAILY MEAN	16 Oct 18	16 Oct 18	13 Jul 19 1986
ANNUAL SEVEN-DAY MINIMUM	19 Oct 13	19 Oct 13	15 Aug 31 1999
MAXIMUM PEAK FLOW		183 Mar 4	1130 Sep 23 2000
MAXIMUM PEAK STAGE		2.69 Mar 4	4.85 Sep 23 2000
ANNUAL RUNOFF (CFSM)	.62	.61	1.36
ANNUAL RUNOFF (INCHES)	8.47	8.24	18.51
10 PERCENT EXCEEDS	50	51	146
50 PERCENT EXCEEDS	32	32	66
90 PERCENT EXCEEDS	24	23	27

