

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 estimated daily discharges and discharges below 30 ft³/s, which are poor. Flow regulated by Savannah River Site operations.

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	32	34	100	35	48	34	46	35	25	35	31	30
2	29	42	98	35	42	33	44	34	25	52	42	30
3	28	38	34	35	41	32	43	34	24	33	35	33
4	34	32	25	38	40	38	43	33	24	29	32	34
5	45	32	23	46	38	36	42	32	26	27	30	33
6	34	32	23	38	37	33	43	31	26	25	27	35
7	30	32	22	37	37	31	42	30	24	25	25	35
8	29	32	22	35	37	31	41	29	24	25	25	32
9	28	34	30	35	36	31	42	28	24	24	25	30
10	28	73	80	72	37	31	41	25	24	24	26	29
11	28	59	85	67	35	32	40	27	23	24	25	28
12	34	45	86	64	35	56	39	36	23	23	25	27
13	88	41	87	48	35	e36	39	37	23	23	24	27
14	44	41	95	41	60	e34	39	36	25	23	24	26
15	36	41	86	39	48	e32	58	33	24	22	23	26
16	33	40	44	40	41	e33	55	27	26	21	23	24
17	32	40	40	39	37	62	47	28	25	21	23	25
18	31	40	40	40	36	39	42	28	25	20	25	34
19	35	40	57	40	36	36	39	27	26	20	56	40
20	35	40	51	45	35	163	38	26	26	20	40	39
21	38	40	46	38	34	111	37	26	26	20	32	50
22	37	40	46	35	34	58	36	30	28	20	30	51
23	35	40	42	56	33	76	36	28	38	24	28	689
24	34	39	40	105	33	86	35	27	28	52	27	107
25	34	40	39	117	33	55	36	26	26	38	32	53
26	34	51	38	54	33	50	37	28	25	31	32	67
27	34	48	38	46	34	46	38	37	26	29	29	45
28	34	41	38	41	36	46	36	30	25	27	28	33
29	33	40	39	45	34	46	37	27	30	26	27	29
30	34	45	38	77	---	51	36	26	38	25	27	27
31	34	---	36	68	---	50	---	26	---	24	31	---
TOTAL	1094	1232	1568	1551	1095	1528	1227	927	782	832	909	1768
MEAN	35.3	41.1	50.6	50.0	37.8	49.3	40.9	29.9	26.1	26.8	29.3	58.9
MAX	88	73	100	117	60	163	58	37	38	52	56	689
MIN	28	32	22	35	33	31	35	25	23	20	23	24
CFSM	.60	.69	.85	.84	.64	.83	.69	.50	.44	.45	.49	.99
IN.	.69	.77	.98	.97	.69	.96	.77	.58	.49	.52	.57	1.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2000, BY WATER YEAR (WY)

MEAN	61.6	67.3	81.0	107	113	120	89.7	73.3	64.4	59.0	73.4	66.3
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	41.8	50.0	37.8	44.4	30.3	23.7	23.7	20.1	17.7	17.8
(WY)	1989	1982	1999	2000	2000	1985	1985	1985	1986	1981	1999	1981

SAVANNAH RIVER BASIN

02197400 LOWER THREE RUNS NEAR SNELLING, SC--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1974 - 2000
ANNUAL TOTAL	18190	14513	82.6
ANNUAL MEAN	49.8	39.7	145
HIGHEST ANNUAL MEAN			39.7
LOWEST ANNUAL MEAN			2000
HIGHEST DAILY MEAN	246	Jan 24	743
LOWEST DAILY MEAN	13	Jun 13	13
ANNUAL SEVEN-DAY MINIMUM	15	Aug 31	15
INSTANTANEOUS PEAK FLOW		689 Sep 23	1130 Sep 23
INSTANTANEOUS PEAK STAGE		20 a Jul 18	4.85 Sep 23
ANNUAL RUNOFF (CFSM)	.84	20 Jul 16	4.85 Sep 23
ANNUAL RUNOFF (INCHES)	11.41	1130 Sep 23	1.39
10 PERCENT EXCEEDS	95	4.85 Sep 23	18.94
50 PERCENT EXCEEDS	40	9.10	147
90 PERCENT EXCEEDS	18	53	68
		34	28
		25	

a Also occurred Jul. 19-22.

e Estimated

