

SAVANNAH RIVER BASIN

02196689 LITTLE HORSE CREEK NEAR GRANITEVILLE, SC

LOCATION.--Lat 33°33'49'', long 81°52'27'', Aiken County, Hydrologic Unit 03060106, on downstream side of bridge on County Road 104, 0.5 mi downstream of Hightower Creek, 1.0 mi upstream of Sudlow Lake, and 3.8 mi west of Graniteville.

DRAINAGE AREA.--26.6 mi².

PERIOD OF RECORD.--October 1989 to December 1999, March 2000 to current year.

GAGE.--Data collection platform. Elevation of gage is 210 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, which are poor.

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	23	23	19	---	---	e23	27	21	11	12	28	17
2	21	32	19	---	---	21	27	21	11	11	80	19
3	21	30	19	---	---	20	29	25	10	9.9	44	16
4	24	25	19	---	---	23	31	32	9.9	9.2	42	17
5	33	24	19	---	---	21	32	25	12	8.3	34	25
6	26	24	20	---	---	17	30	23	17	7.4	27	27
7	23	24	19	---	---	18	28	21	13	15	20	24
8	21	24	19	---	---	19	33	21	11	26	15	18
9	21	24	19	---	---	18	30	23	10	17	13	15
10	21	24	e20	---	---	20	27	22	9.6	14	13	14
11	21	24	---	---	---	22	29	23	10	12	14	14
12	22	25	---	---	---	28	31	20	9.5	12	22	13
13	30	25	---	---	---	25	27	17	10	13	17	12
14	27	25	---	---	---	23	27	16	8.2	12	14	12
15	24	24	---	---	---	22	35	15	8.6	11	13	12
16	23	26	---	---	---	24	29	15	14	9.0	12	10
17	21	28	---	---	---	27	28	15	13	7.7	11	10
18	21	28	---	---	---	24	27	15	17	7.0	12	19
19	21	26	---	---	---	22	26	15	15	12	11	33
20	21	25	---	---	---	68	24	14	21	9.6	11	23
21	22	25	---	---	---	49	24	14	36	7.1	10	19
22	21	25	---	---	---	38	26	15	27	7.1	10	37
23	20	25	---	---	---	35	24	14	25	12	10	111
24	20	25	---	---	---	34	25	14	17	37	10	30
25	19	28	---	---	---	34	25	13	14	24	14	22
26	20	38	---	---	---	32	24	14	12	19	14	23
27	20	31	---	---	---	31	23	15	19	16	12	20
28	21	25	---	---	---	31	26	14	20	18	11	17
29	20	22	---	---	---	29	25	13	16	16	10	16
30	21	20	---	---	---	30	23	12	14	14	11	15
31	22	---	---	---	---	30	---	11	---	13	21	---
TOTAL	691	774	192	---	---	858	822	548	440.8	418.3	586	660
MEAN	22.3	25.8	19.2	---	---	27.7	27.4	17.7	14.7	13.5	18.9	22.0
MAX	33	38	20	---	---	68	35	32	36	37	80	111
MIN	19	20	19	---	---	17	23	11	8.2	7.0	10	10
CFSM	.84	.97	.72	---	---	1.04	1.03	.66	.55	.51	.71	.83
IN.	.97	1.08	.27	---	---	1.20	1.15	.77	.62	.58	.82	.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
MEAN	29.3	32.4	35.5	44.9	43.7	44.1	36.7	28.5	30.1	24.9	23.9	23.7
MAX	41.9	51.7	49.0	71.7	67.8	62.6	66.6	48.6	47.8	41.2	41.4	35.6
(WY)	1991	1993	1993	1993	1995	1998	1998	1998	1991	1991	1991	1995
MIN	22.3	25.8	26.1	33.4	31.4	27.7	24.1	17.7	14.7	13.5	13.7	11.8
(WY)	2000	2000	1997	1997	1990	2000	1990	2000	2000	2000	1999	1990

SUMMARY STATISTICS		02196689 LITTLE HORSE CREEK NEAR GRANITEVILLE, SC--Continued		WATER YEARS 1990 - 2000	
		FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL MEAN				33.8	
HIGHEST ANNUAL MEAN				41.7	1993
LOWEST ANNUAL MEAN				26.0	1997
HIGHEST DAILY MEAN	86	Feb 2	111	305	Oct 12 1990
LOWEST DAILY MEAN	8.9	Sep 14	7.0	a 4.1	Jul 22 1993
ANNUAL SEVEN-DAY MINIMUM	10	Sep 1	8.5	8.5	Jul 16 2000
INSTANTANEOUS PEAK FLOW				593	Oct 12 1990
INSTANTANEOUS PEAK STAGE				6.48	Oct 12 1990
ANNUAL RUNOFF (CFSM)				1.27	
ANNUAL RUNOFF (INCHES)				17.27	
10 PERCENT EXCEEDS	42		30	52	
50 PERCENT EXCEEDS	27		21	30	
90 PERCENT EXCEEDS	13		11	16	

a Flow was temporarily obstructed at the gage by the construction of a rock section upstream.

e Estimated

