

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 current year.

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

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

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	36	e24	26	31	83	29	38	37	18	e53	14	11
2	29	e25	26	31	86	28	37	32	18	e82	12	11
3	25	e26	25	49	48	30	34	30	20	54	12	10
4	25	e26	25	37	45	32	36	28	21	48	11	10
5	26	e26	25	34	40	30	35	27	21	44	11	10
6	25	e27	26	42	38	30	34	29	21	42	11	10
7	26	e27	25	41	36	30	34	31	21	42	12	10
8	30	e27	25	38	36	29	36	24	21	42	12	11
9	28	e28	27	40	35	32	44	22	21	39	12	12
10	25	e28	25	36	36	33	39	23	21	35	13	16
11	24	e29	25	35	35	31	36	23	22	43	12	13
12	25	e30	29	37	34	30	35	22	25	59	11	11
13	25	e30	27	37	34	27	33	21	25	45	11	11
14	25	e31	27	37	34	44	32	22	25	40	11	8.9
15	24	e31	26	46	33	45	33	23	32	37	12	11
16	23	e31	33	36	33	35	34	21	59	36	22	10
17	23	e32	29	42	33	33	32	20	64	38	22	11
18	23	30	27	60	44	32	31	19	42	34	18	11
19	24	28	27	40	43	31	31	19	36	32	14	11
20	24	29	25	36	44	29	31	19	37	30	14	16
21	24	29	25	38	37	30	30	18	40	27	13	24
22	22	29	29	39	36	29	28	17	40	25	13	20
23	22	28	29	43	35	28	28	17	41	23	13	17
24	23	27	33	77	34	29	27	19	40	22	17	16
25	23	27	47	51	33	30	27	17	43	22	19	16
26	23	27	38	38	30	37	28	17	45	21	15	17
27	23	26	35	36	26	36	27	17	45	19	15	35
28	e23	25	33	38	27	33	32	17	45	16	15	43
29	e23	26	32	35	---	32	30	17	48	10	14	31
30	e23	26	34	35	---	30	32	17	53	13	13	26
31	e24	---	33	37	---	28	---	18	---	14	12	---
TOTAL	768	835	898	1252	1108	982	984	683	1010	1087	426	469.9
MEAN	24.8	27.8	29.0	40.4	39.6	31.7	32.8	22.0	33.7	35.1	13.7	15.7
MAX	36	32	47	77	86	45	44	37	64	82	22	43
MIN	22	24	25	31	26	27	27	17	18	10	11	8.9
CFSM	.93	1.05	1.09	1.52	1.49	1.19	1.23	.83	1.27	1.32	.52	.59
IN.	1.07	1.17	1.26	1.75	1.55	1.37	1.38	.96	1.41	1.52	.60	.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1999, BY WATER YEAR (WY)

MEAN	30.0	33.1	35.5	44.9	43.7	45.8	37.7	29.6	31.7	26.0	24.4	23.9
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	23.2	26.7	26.1	33.4	31.4	30.9	24.1	20.0	18.7	17.9	13.7	11.8
(WY)	1992	1997	1997	1997	1990	1990	1990	1992	1990	1993	1999	1990

SUMMARY STATISTICS	02196689 LITTLE HORSE CREEK NEAR GRANITEVILLE, SC--Continued FOR 1998 CALENDAR YEAR				FOR 1999 WATER YEAR	WATER YEARS 1990 - 1999
ANNUAL TOTAL	14423		10502.9			
ANNUAL MEAN	39.5		28.8		33.8	
HIGHEST ANNUAL MEAN					41.7	1993
LOWEST ANNUAL MEAN					26.0	1997
HIGHEST DAILY MEAN	178	Mar 9	86	Feb 2	305	Oct 12 1990
LOWEST DAILY MEAN	16	Aug 29	8.9	Sep 14	* 4.1	Jul 22 1993
ANNUAL SEVEN-DAY MINIMUM	17	Aug 25	10	Sep 1	9.3	Jul 3 1990
INSTANTANEOUS PEAK FLOW			119	Feb 1	593	Oct 12 1990
INSTANTANEOUS PEAK STAGE			2.91	Feb 1	6.48	Oct 12 1990
ANNUAL RUNOFF (CFSM)	1.49		1.08		1.27	
ANNUAL RUNOFF (INCHES)	20.17		14.69		17.27	
10 PERCENT EXCEEDS	62		42		53	
50 PERCENT EXCEEDS	33		28		30	
90 PERCENT EXCEEDS	23		13		17	

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

e Estimated

