

SAVANNAH RIVER BASIN

02196000 STEVENS CREEK NEAR MODOC, SC

LOCATION.--Lat 33°43'45"', long 82°10'55"', Edgefield County, Hydrologic Unit 03060107, on left bank, 15 ft upstream of bridge on State Highway 23, 1.4 mi east of Modoc, and 3.2 mi downstream from Turkey Creek.

DRAINAGE AREA.--545 mi².

PERIOD OF RECORD.--November 1929 to September 1931, February 1940 to September 1978, November 1983 to current year. Monthly discharge only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1032: Drainage area. WSP 1533: 1954(M).

GAGE.--Data collection platform. Datum of gage is 196.34 ft above sea level (levels by Southeastern Power Administration). Prior to September 6, 1999, at present site at datum 1.00 ft higher. October 15, 1929 to September 30, 1931, nonrecording gage at site 1,100 ft upstream at different datum.

REMARKS.--No estimated daily discharges. Records good.

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	15	7.4	20	18	1020	131	101	42	6.4	17	61	26
2	14	9.0	16	18	661	116	95	38	6.4	20	61	144
3	11	8.3	13	18	468	107	93	34	6.1	13	289	187
4	32	11	12	18	352	106	93	32	6.0	13	197	209
5	121	9.5	12	20	283	110	91	41	6.4	12	118	170
6	90	9.0	12	21	228	141	84	45	6.3	12	82	190
7	42	13	11	24	192	121	78	34	5.5	33	56	152
8	24	12	11	25	168	106	76	28	5.7	42	34	89
9	15	10	12	25	149	98	76	23	5.8	13	24	60
10	12	9.8	12	860	135	93	78	20	5.8	11	20	41
11	12	9.0	13	1280	125	466	77	18	5.9	11	28	28
12	11	8.4	13	347	119	453	71	16	5.5	11	65	20
13	11	8.1	14	176	113	372	66	15	5.3	48	82	16
14	41	7.8	19	111	1950	233	64	15	5.2	145	29	14
15	58	9.5	19	76	1890	178	71	16	4.9	74	17	12
16	31	8.9	34	60	685	155	98	14	8.2	44	13	10
17	20	7.3	33	49	375	166	111	13	31	27	11	8.4
18	14	6.7	29	45	280	195	90	12	22	17	8.7	8.6
19	12	7.1	25	44	229	153	77	12	33	13	7.7	13
20	11	9.1	22	68	197	2350	68	10	35	12	7.5	70
21	11	9.1	23	135	167	2260	62	9.8	39	11	6.6	47
22	10	8.6	37	113	146	818	55	9.6	109	10	6.0	136
23	9.6	8.4	69	756	135	406	49	9.2	67	10	5.7	2600
24	9.2	8.3	69	4160	124	289	46	8.8	17	12	4.8	1230
25	8.6	9.3	46	5430	117	218	47	8.3	13	34	5.7	533
26	8.1	13	35	1970	112	181	45	8.3	10	72	3.6	275
27	8.4	53	28	863	112	157	55	7.4	8.9	97	2.9	230
28	7.6	64	24	499	127	146	64	7.7	7.8	39	2.5	140
29	7.4	42	21	364	146	133	48	7.8	29	25	2.1	96
30	7.3	28	20	794	---	116	44	6.7	24	16	2.1	73
31	7.6	---	18	1760	---	106	---	6.4	---	72	7.0	---
TOTAL	691.8	424.6	742	20147	10805	10680	2173	568.0	541.1	986	1259.9	6828.0
MEAN	22.3	14.2	23.9	650	373	345	72.4	18.3	18.0	31.8	40.6	228
MAX	121	64	69	5430	1950	2350	111	45	109	145	289	2600
MIN	7.3	6.7	11	18	112	93	44	6.4	4.9	10	2.1	8.4
CFSM	.04	.03	.04	1.19	.68	.63	.13	.03	.03	.06	.07	.42
IN.	.05	.03	.05	1.38	.74	.73	.15	.04	.04	.07	.09	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2000, BY WATER YEAR (WY)

MEAN	198	234	387	759	877	1026	604	276	192	182	185	96.7
MAX	2039	1486	1703	2263	2623	2935	2514	1016	1576	1061	2311	486
(WY)	1991	1993	1965	1960	1960	1944	1969	1964	1973	1989	1940	1959
MIN	.000	1.29	15.1	24.9	157	171	72.4	18.3	16.0	17.7	10.8	1.05
(WY)	1955	1955	1955	1956	1957	1985	2000	2000	1956	1990	1999	1954

SUMMARY STATISTICS	02196000 STEVENS CREEK NEAR MODOC, SC--Continued		WATER YEARS 1930 - 2000	
	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL	49466.6	55846.4		
ANNUAL MEAN	136	153	410	
HIGHEST ANNUAL MEAN			959	1964
LOWEST ANNUAL MEAN			119	1988
HIGHEST DAILY MEAN	5760	5430	31700	Aug 14 1940
LOWEST DAILY MEAN	3.3	2.1	.00	a Sep 14 1954
ANNUAL SEVEN-DAY MINIMUM	3.9	3.4	.00	Sep 24 1954
INSTANTANEOUS PEAK FLOW		7420	35100	Aug 14 1940
INSTANTANEOUS PEAK STAGE		21.67	41.08	Aug 14 1940
ANNUAL RUNOFF (CFSM)	.25	.28	.75	
ANNUAL RUNOFF (INCHES)	3.38	3.81	10.22	
10 PERCENT EXCEEDS	253	231	815	
50 PERCENT EXCEEDS	40	30	106	
90 PERCENT EXCEEDS	7.1	7.6	16	

a Also occurred many days in Sep., Oct., Nov., 1954.

