

SAVANNAH RIVER BASIN

02187910 ROCKY RIVER NEAR STARR, SC

LOCATION.--Lat 34°22'59'', long 82°34'39'', Anderson County, Hydrologic Unit 03060103, on downstream side of bridge on State Road 244, 0.5 mi upstream of Beaver Creek, 2.5 mi upstream of Secession Lake, and 6.7 mi east of Starr.

DRAINAGE AREA.--111 mi².

PERIOD OF RECORD.--May 1989 to February 1996, October 1996 to current year.

GAGE.--Data collection platform. Elevation of gage is 570 ft above sea level (from topographic map).

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	45	59	72	70	143	94	102	79	32	32	44	34
2	35	80	69	70	114	91	253	77	31	28	54	135
3	31	82	68	70	112	89	428	75	29	25	65	106
4	59	69	67	74	134	94	273	76	28	22	79	66
5	102	63	66	80	114	110	165	75	31	20	92	50
6	67	62	121	75	88	99	206	74	33	18	63	43
7	49	61	151	69	90	91	109	70	31	17	49	49
8	42	61	78	68	91	89	97	67	28	16	42	39
9	39	60	72	71	90	90	97	65	26	15	36	36
10	84	59	82	306	90	88	97	62	25	14	42	34
11	879	59	125	322	89	115	95	60	24	13	36	32
12	1030	63	77	189	95	168	95	58	22	12	32	31
13	280	59	81	101	171	113	95	56	21	16	26	30
14	156	58	184	93	197	101	122	54	20	43	23	28
15	114	62	128	89	269	96	232	49	20	34	21	27
16	99	62	131	86	152	106	107	44	21	26	19	25
17	88	58	82	85	142	312	97	43	20	20	18	23
18	79	57	78	87	170	194	93	43	34	17	16	22
19	74	56	82	90	89	106	91	43	34	14	15	27
20	108	56	123	101	88	845	88	41	32	13	14	27
21	123	57	85	101	89	1210	86	40	30	12	20	36
22	83	58	118	91	90	363	82	40	28	11	18	56
23	73	58	98	216	91	281	80	39	26	14	18	330
24	68	58	89	456	92	140	81	39	23	17	17	125
25	65	62	84	217	94	127	132	40	20	119	21	92
26	62	246	80	310	93	126	95	43	46	85	20	125
27	61	239	78	101	97	124	86	44	16	54	18	86
28	60	111	75	90	112	183	86	40	15	48	18	65
29	58	86	74	91	100	93	87	38	43	56	17	53
30	55	77	72	160	---	94	81	36	43	40	16	46
31	56	---	71	252	---	99	---	35	---	40	26	---
TOTAL	4224	2298	2861	4281	3386	5931	3838	1645	832	911	995	1878
MEAN	136	76.6	92.3	138	117	191	128	53.1	27.7	29.4	32.1	62.6
MAX	1030	246	184	456	269	1210	428	79	46	119	92	330
MIN	31	56	66	68	88	88	80	35	15	11	14	22
CFSM	1.23	.69	.83	1.24	1.05	1.72	1.15	.48	.25	.26	.29	.56
IN.	1.42	.77	.96	1.43	1.13	1.99	1.29	.55	.28	.31	.33	.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
MEAN	109	122	146	234	243	228	199	115	89.5	62.6	104	67.6
MAX	177	259	363	473	406	474	648	213	134	87.7	348	138
(WY)	1990	1993	1993	1993	1998	1993	1998	1998	1991	1994	1995	1992
MIN	47.8	63.0	86.9	120	117	80.8	97.6	53.1	27.7	29.4	27.1	28.4
(WY)	1994	1992	1992	1992	2000	1999	1995	2000	2000	2000	1999	1999

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	34437		33080		142	
ANNUAL MEAN	94.3		90.4		226	
HIGHEST ANNUAL MEAN					87.2	
LOWEST ANNUAL MEAN					1999	
HIGHEST DAILY MEAN	1030	Oct 12	1210	Mar 21	3810	Apr 18 1998
LOWEST DAILY MEAN	10	Aug 16	11	Jul 22	10	Aug 16 1999
ANNUAL SEVEN-DAY MINIMUM	11	Aug 13	14	Jul 18	11	Aug 13 1999
INSTANTANEOUS PEAK FLOW			1930	Mar 21	6260	Apr 18 1998
INSTANTANEOUS PEAK STAGE			12.29	Mar 21	17.70	Apr 18 1998
ANNUAL RUNOFF (CFSM)	.85		.81		1.28	
ANNUAL RUNOFF (INCHES)	11.54		11.09		17.36	
10 PERCENT EXCEEDS	156		151		247	
50 PERCENT EXCEEDS	72		70		89	
90 PERCENT EXCEEDS	25		20		43	

