

021973007 MILL CREEK AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°19'14'', long 81°35'32'', Barnwell County, Hydrologic Unit 03060106, on right bank, 7 ft upstream of Unnamed Road, 1.0 mi south of Craif Road (SRS Road 2-1-, 2.0 mi southeast of Tinker Creek.

PERIOD OF RECORD.--October 1994 to September 1996, December 1998 to September 2000 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 177.4 ft above sea level (by Global Positioning System).

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Savannah River Site operations.

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	---	---	---	5.2	36	2.8	4.3	15	1.6	3.7	1.8	1.2
2	---	---	---	5.7	19	2.6	3.5	7.5	1.5	4.1	1.7	1.2
3	---	---	---	24	8.8	2.7	2.5	5.3	1.5	2.7	1.7	1.1
4	---	---	---	8.7	8.3	2.6	2.3	4.6	1.4	2.1	1.5	1.1
5	---	---	---	7.0	6.2	2.5	2.1	4.5	1.3	1.7	1.4	1.1
6	---	---	---	6.6	5.4	2.6	1.9	8.6	1.3	7.1	1.4	1.0
7	---	---	---	6.6	5.0	2.5	2.0	9.3	1.3	14	1.4	.96
8	---	---	e5.2	6.3	4.7	2.3	12	5.3	1.2	3.5	1.3	.98
9	---	---	5.0	6.7	4.3	4.7	17	4.0	1.2	2.1	1.3	3.2
10	---	---	4.7	6.4	4.9	3.7	7.6	3.6	1.1	1.7	1.3	3.9
11	---	---	4.7	5.7	4.3	2.6	6.2	3.3	1.1	15	1.3	2.1
12	---	---	4.6	5.6	4.0	2.4	5.2	3.2	1.1	26	1.3	1.7
13	---	---	5.4	5.4	3.7	2.3	4.8	3.5	1.1	40	1.2	1.5
14	---	---	5.4	5.8	3.6	15	4.5	3.4	1.0	15	1.2	1.4
15	---	---	7.4	26	3.6	4.8	8.8	3.0	1.1	9.7	1.3	2.1
16	---	---	11	9.0	3.5	2.9	11	3.0	16	8.1	1.6	3.3
17	---	---	6.0	7.2	3.5	2.2	5.6	2.8	29	7.7	1.8	1.9
18	---	---	4.9	22	4.5	1.9	4.9	2.5	6.2	5.4	1.5	1.6
19	---	---	4.7	11	3.7	1.6	4.6	2.8	3.6	4.5	1.4	1.7
20	---	---	4.7	7.6	3.6	1.5	4.3	2.5	2.9	3.7	6.0	4.8
21	---	---	4.6	7.0	3.3	2.3	4.0	2.2	3.0	3.1	4.1	17
22	---	---	4.5	6.7	3.2	2.1	3.7	2.1	2.7	21	2.2	4.7
23	---	---	4.5	28	3.0	1.5	3.4	2.5	2.4	16	1.7	3.1
24	---	---	5.6	40	3.0	1.5	3.2	3.1	2.0	5.3	1.7	2.7
25	---	---	17	13	3.0	9.0	3.0	2.3	2.2	3.8	1.8	2.7
26	---	---	16	8.5	3.0	16	3.2	2.0	2.3	3.1	1.7	2.9
27	---	---	8.4	6.7	2.8	5.2	3.0	2.0	2.3	2.7	1.6	12
28	---	---	6.7	5.4	2.9	3.5	7.0	1.9	2.8	2.3	1.5	22
29	---	---	6.2	4.6	---	3.0	5.6	1.8	8.8	2.1	1.4	9.7
30	---	---	5.7	5.3	---	2.7	18	1.8	8.4	2.0	1.3	4.5
31	---	---	5.3	6.5	---	2.8	---	1.7	---	1.8	1.2	---
TOTAL	---	---	158.2	320.2	164.8	115.8	169.2	121.1	113.4	241.0	53.6	119.14
MEAN	---	---	6.59	10.3	5.89	3.74	5.64	3.91	3.78	7.77	1.73	3.97
MAX	---	---	17	40	36	16	18	15	29	40	6.0	22
MIN	---	---	4.5	4.6	2.8	1.5	1.9	1.7	1.0	1.7	1.2	.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1999, BY WATER YEAR (WY)

	1995	1996	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MEAN	7.66	6.89	9.43	12.2	10.4	9.60	6.21	3.82	5.33	5.10	4.34	4.66
MAX	10.1	7.26	10.5	18.8	19.1	13.4	6.76	4.03	10.0	7.77	6.23	5.98
(WY)	1995	1996	1995	1995	1995	1995	1995	1995	1995	1999	1995	1995
MIN	5.19	6.52	8.35	7.53	5.89	3.74	5.64	3.52	2.19	3.53	1.73	3.97
(WY)	1996	1995	1996	1996	1999	1999	1999	1996	1996	1996	1999	1999

SAVANNAH RIVER BASIN

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SUMMARY STATISTICS

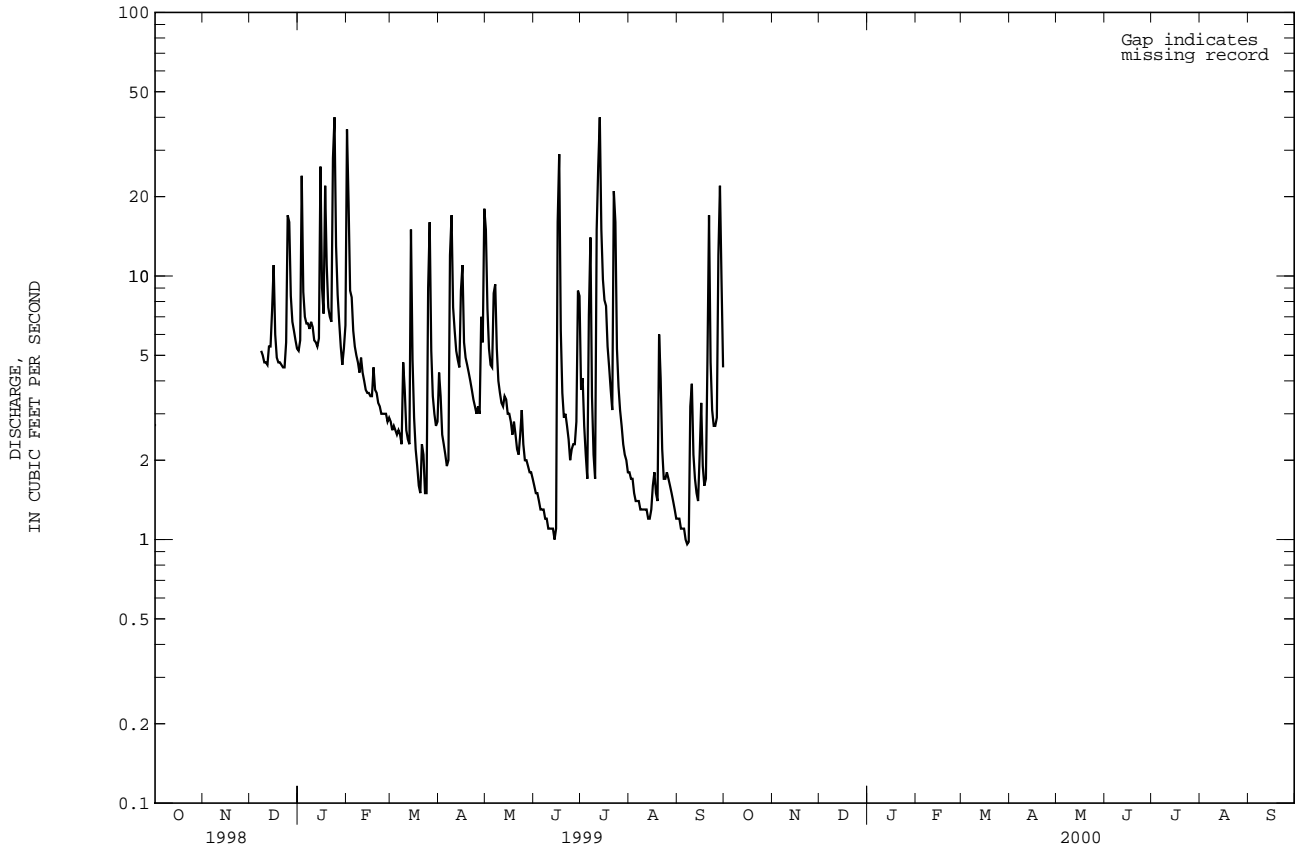
FOR 1999 WATER YEAR

WATER YEARS 1995 - 1999

ANNUAL MEAN			7.74	
HIGHEST ANNUAL MEAN			9.53	1995
LOWEST ANNUAL MEAN			5.97	1996
HIGHEST DAILY MEAN			e 78	Feb 18 1995
LOWEST DAILY MEAN			.96	Sep 7 1999
ANNUAL SEVEN-DAY MINIMUM			1.1	Jun 27 1996
INSTANTANEOUS PEAK FLOW	40	a Jan 24	67	Jan 7 1995
INSTANTANEOUS PEAK STAGE	3.95	Jan 23	5.44	Jan 7 1995
10 PERCENT EXCEEDS	11		14	
50 PERCENT EXCEEDS	3.5		5.1	
90 PERCENT EXCEEDS	1.4		2.1	

a Also occurred Jul. 13.

e Estimated



021973007 MILL CREEK AT SAVANNAH RIVER SITE, SC--Continued

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	1.6	1.9	3.3	2.9	7.3	2.5	7.0	2.1	1.1	2.3	9.6	1.2
2	1.2	4.7	3.4	2.9	6.2	2.4	3.8	1.8	1.1	3.0	8.2	1.1
3	1.1	3.3	3.5	2.8	5.6	2.4	3.7	1.7	1.0	1.8	3.1	2.0
4	7.5	2.5	3.5	4.4	5.1	4.6	3.6	1.7	1.1	1.4	2.6	2.5
5	6.5	2.4	3.6	5.3	4.6	3.3	3.5	1.6	1.0	1.3	2.2	1.7
6	2.7	2.3	5.7	3.3	4.5	2.5	3.4	1.6	.98	1.2	1.7	1.8
7	1.8	2.2	4.6	3.6	4.3	2.3	3.2	1.5	.96	1.2	1.4	1.9
8	1.7	2.3	3.7	3.1	4.1	2.2	3.5	1.4	.94	1.2	1.3	1.5
9	2.5	2.4	3.5	2.9	4.0	2.0	3.9	1.3	.97	1.1	1.2	1.3
10	2.4	2.5	3.4	26	4.0	1.9	3.4	1.3	.99	1.0	1.2	1.2
11	2.6	3.2	3.4	8.6	3.9	2.7	3.2	1.3	.99	1.0	1.2	1.1
12	7.9	3.3	3.2	4.7	4.2	5.3	3.0	1.2	.92	.97	1.2	1.0
13	16	3.4	3.2	3.8	4.6	2.7	2.9	1.2	.89	.94	1.2	1.0
14	4.1	3.3	5.1	3.2	17	2.2	3.5	1.2	.89	.94	1.1	.97
15	2.2	3.2	3.6	2.9	7.1	2.0	14	1.2	.94	.92	1.1	.92
16	1.5	3.0	3.2	2.8	5.4	7.7	5.7	1.2	.95	.87	.99	.89
17	1.7	3.1	3.1	2.8	5.0	7.8	3.9	1.2	.94	.87	.95	1.0
18	1.8	3.2	3.1	2.8	4.7	2.9	3.4	1.2	.94	.84	1.0	1.7
19	1.5	2.9	6.4	2.9	4.6	2.5	3.1	1.2	1.0	.82	1.5	3.2
20	1.5	3.0	5.0	4.9	4.4	41	2.9	1.2	1.1	.74	1.2	4.0
21	1.7	2.9	4.4	3.3	3.6	11	2.7	1.1	1.2	.72	1.1	4.6
22	1.5	3.1	4.4	2.8	2.7	7.0	2.4	1.1	3.3	.71	1.1	5.8
23	1.3	3.1	3.7	15	2.7	5.9	2.3	1.0	4.0	.96	1.0	e58
24	1.3	3.1	3.2	36	2.7	5.6	2.3	1.1	1.8	1.4	.99	9.6
25	1.3	3.3	3.1	20	2.6	5.1	2.5	1.1	1.4	1.3	1.4	4.6
26	1.4	18	3.1	8.6	2.5	4.7	2.4	1.8	1.3	1.2	1.4	11
27	1.4	6.6	3.1	6.7	2.9	5.3	2.2	2.9	1.2	1.1	1.2	4.2
28	1.4	3.9	2.9	5.9	3.5	5.9	3.2	1.5	1.2	1.0	1.1	2.9
29	1.4	3.5	2.9	9.8	2.6	5.9	2.8	1.2	1.8	.97	1.0	2.2
30	1.3	3.3	2.9	21	---	8.3	2.3	1.1	3.6	.92	1.0	2.0
31	1.5	---	2.9	12	---	9.3	---	1.1	---	.89	1.2	---
TOTAL	85.3	108.9	114.1	237.7	136.4	176.9	109.7	43.1	40.50	35.58	56.43	136.88
MEAN	2.75	3.63	3.68	7.67	4.70	5.71	3.66	1.39	1.35	1.15	1.82	4.56
MAX	16	18	6.4	36	17	41	14	2.9	4.0	3.0	9.6	58
MIN	1.1	1.9	2.9	2.8	2.5	1.9	2.2	1.0	.89	.71	.95	.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	1995	1996	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MEAN	6.02	5.80	7.51	11.1	8.96	8.63	5.57	3.21	4.34	4.11	3.71	4.63
MAX	10.1	7.26	10.5	18.8	19.1	13.4	6.76	4.03	10.0	7.77	6.23	5.98
(WY)	1995	1996	1995	1995	1995	1995	1996	1995	1995	1999	1995	1995
MIN	2.75	3.63	3.68	7.53	4.70	3.74	3.66	1.39	1.35	1.15	1.73	3.97
(WY)	2000	2000	2000	1996	2000	1999	2000	2000	2000	2000	1999	1999

SAVANNAH RIVER BASIN

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1995 - 2000	
ANNUAL TOTAL	1726.54	1281.49		
ANNUAL MEAN	4.73	3.50	6.33	
HIGHEST ANNUAL MEAN			9.53	1995
LOWEST ANNUAL MEAN			3.50	2000
HIGHEST DAILY MEAN	40 a Jan 24	e 58 Sep 23	e 78	Feb 18 1995
LOWEST DAILY MEAN	.96 Sep 7	.71 Jul 22	.71	Jul 22 2000
ANNUAL SEVEN-DAY MINIMUM	1.1 Sep 2	.80 Jul 16	.80	Jul 16 2000
INSTANTANEOUS PEAK FLOW		Unknown Sep 23	Unknown	Jan 7 1995
INSTANTANEOUS PEAK STAGE		5.15 Sep 23	5.44	Jan 7 1995
10 PERCENT EXCEEDS	8.8	5.9	12	
50 PERCENT EXCEEDS	3.1	2.5	4.1	
90 PERCENT EXCEEDS	1.4	1.0	1.3	

a Also occurred Jul. 13.

e Estimated

