

SAVANNAH RIVER BASIN

561

02197342 SITE NO. 7 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°14'40'', long 81°41'45'', Barnwell County, Hydrologic Unit 03060106, on right upstream end of concrete culvert pipe on Four Mile Creek at SRS Road A-7, 1.0 mi southwest of Area C, at Savannah River Site.

DRAINAGE AREA.--12.5 mi².

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Data collection platform. Elevation of gage is 155 ft above sea level (from topographic map).

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Savannah River Site operations.

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	11	9.7	9.4	9.6	14	9.1	9.2	5.2	5.6	10	11	5.9
2	9.1	12	9.5	9.9	13	11	8.5	5.2	5.7	9.4	41	7.0
3	8.9	11	9.6	10	13	11	8.4	5.3	4.6	5.8	19	7.5
4	15	9.5	9.6	12	12	14	8.3	4.8	4.6	6.0	15	6.6
5	21	9.2	9.9	12	10	12	7.8	4.7	5.0	5.1	11	8.0
6	10	9.3	12	11	9.7	12	8.2	4.4	4.9	4.6	8.4	7.5
7	8.7	9.0	12	11	10	14	8.1	4.2	4.4	5.4	5.9	7.7
8	8.3	8.4	11	11	11	9.1	8.9	4.0	4.5	6.3	5.1	6.8
9	7.6	8.4	10	10	9.8	8.4	8.2	3.6	4.4	5.0	5.1	6.1
10	7.8	8.3	9.8	33	9.5	6.6	7.4	3.8	4.4	4.7	5.8	5.8
11	7.6	8.3	9.8	23	9.1	7.0	7.9	4.0	4.2	5.2	5.9	5.9
12	12	8.3	9.7	14	9.4	10	7.2	3.9	3.8	5.6	5.4	5.9
13	29	8.7	10	14	9.3	8.2	7.2	4.3	3.7	5.4	5.1	5.6
14	16	8.5	13	12	15	7.4	7.4	4.3	3.6	4.6	4.6	5.4
15	11	8.5	11	11	12	7.2	18	4.0	3.7	4.1	4.6	5.5
16	11	8.8	10	11	11	12	4.3	3.8	4.2	4.2	4.8	
17	12	8.8	9.6	11	10	17	8.2	4.3	3.6	4.3	3.9	4.5
18	12	8.9	9.7	12	9.0	10	6.8	4.1	3.6	4.0	5.0	6.0
19	11	8.3	13	13	9.1	10	6.1	4.2	8.8	3.9	16	9.5
20	12	8.5	12	14	8.8	94	5.8	3.7	9.4	4.2	7.1	11
21	11	8.4	13	12	8.2	27	5.6	3.7	7.6	3.7	6.2	22
22	10	8.5	14	12	8.4	14	5.4	4.2	11	3.6	8.3	14
23	9.2	9.2	12	23	8.7	14	5.4	4.1	28	6.6	6.9	257
24	9.2	9.2	10	60	9.4	14	5.6	4.1	11	25	5.5	27
25	8.9	9.5	9.7	51	11	11	6.2	3.8	8.2	8.1	19	14
26	9.1	12	9.6	22	11	10	5.9	5.4	6.6	7.8	10	24
27	8.9	12	9.9	14	11	9.8	5.5	27	5.3	8.9	6.5	14
28	9.2	11	10	12	12	10	6.9	8.0	5.7	6.7	5.7	8.8
29	9.2	9.8	10	15	9.2	9.0	6.8	6.0	13	6.0	5.7	7.0
30	8.7	9.6	10	30	---	9.8	5.9	4.4	33	5.7	5.6	6.6
31	9.1	--	9.6	23	---	11	--	4.5	--	5.0	6.2	--
TOTAL	343.5	279.6	328.4	538.5	303.6	429.6	228.8	161.5	225.7	194.9	274.7	527.4
MEAN	11.1	9.32	10.6	17.4	10.5	13.9	7.63	5.21	7.52	6.29	8.86	17.6
MAX	29	12	14	60	15	94	18	27	33	25	41	257
MIN	7.6	8.3	9.4	9.6	8.2	6.6	5.4	3.6	3.6	3.6	3.9	4.5
CFSM	.89	.75	.85	1.39	.84	1.11	.61	.42	.60	.50	.71	1.41
IN.	1.02	.83	.98	1.60	.90	1.28	.68	.48	.67	.58	.82	1.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2000, BY WATER YEAR (WY)

MEAN	14.2	14.1	17.2	22.0	25.4	25.5	19.4	14.4	14.6	14.4	16.0	13.0
MAX	68.0	26.0	33.3	41.6	52.7	56.4	40.1	43.2	37.1	48.9	75.7	19.9
(WY)	1991	1980	1998	1998	1993	1998	1998	1984	1973	1991	1991	1998
MIN	7.83	8.72	8.29	11.9	10.5	12.0	7.63	5.21	5.80	6.29	6.26	6.66
(WY)	1979	1997	1999	1989	2000	1999	2000	2000	1990	2000	1999	1990

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02197342 SITE NO. 7 AT SAVANNAH RIVER SITE, SC--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1973 - 2000
ANNUAL TOTAL	4018.4	3836.2	
ANNUAL MEAN	11.0	10.5	17.3
HIGHEST ANNUAL MEAN			32.7
LOWEST ANNUAL MEAN			10.5
HIGHEST DAILY MEAN	92	Jun 17	830
LOWEST DAILY MEAN	4.2	a Jun 14	Aug 2 1991
ANNUAL SEVEN-DAY MINIMUM	4.5	Aug 7	2.7
INSTANTANEOUS PEAK FLOW			Jul 2 1990
INSTANTANEOUS PEAK STAGE		c 841	3.2
ANNUAL RUNOFF (CFSM)	.88	Sep 23	Jul 2 1990
ANNUAL RUNOFF (INCHES)	11.96	5.30	Unknown Aug 2 1991
10 PERCENT EXCEEDS	16	Sep 23	6.89 Aug 2 1991
50 PERCENT EXCEEDS	9.0	8.9	1.38 Aug 2 1991
90 PERCENT EXCEEDS	5.1	4.3	18.79
			29
			13
			7.6

a Also occurred Aug. 13.

b Also occurred Jun. 14, 17, 18, Jul. 22,

c From rating curve extended above 83 ft³/s based on step-backwater computations.