

SAVANNAH RIVER BASIN

02197338 SITE NO. 5 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°16'50'', long 81°40'15'', Aiken County, Hydrologic Unit 03060106, at upstream end of pipe culvert at SRS Road E, 600 ft southeast of Area F, 0.5 mi east of SRS Road C, at Savannah River Site.

DRAINAGE AREA.--0.28 mi².

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

GAGE.--Data collection platform. Datum of gage is 250.6 ft above sea level (by Global Positioning System and Department of Energy benchmarks).

REMARKS.--Records fair. Flow completely regulated by Savannah River Site operations.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	2.0	2.0	1.6	1.7	.91	1.7	1.5	1.7	1.5	2.1	2.8
2	1.7	1.7	1.9	e1.7	1.6	.83	2.4	1.6	1.7	2.1	2.1	3.4
3	1.8	1.8	1.5	e1.9	1.6	2.5	1.9	1.6	1.9	5.7	2.1	2.8
4	1.8	2.2	1.6	1.9	1.7	2.5	1.8	1.6	1.7	1.9	2.5	2.2
5	1.8	1.5	1.7	1.9	1.6	1.6	1.7	1.7	1.7	2.9	2.1	2.1
6	1.8	1.3	1.7	1.4	1.7	.85	2.7	1.7	1.7	2.6	2.2	2.0
7	1.8	1.6	1.6	1.4	1.6	.89	2.2	1.6	2.4	1.8	2.1	2.0
8	1.8	1.9	1.6	2.3	1.8	1.9	2.1	2.2	1.3	1.6	2.3	2.6
9	1.7	1.4	1.9	1.9	1.9	2.1	2.2	3.0	2.1	1.7	2.3	2.0
10	1.7	1.3	1.8	1.4	1.7	2.0	2.1	2.0	1.6	1.7	2.6	2.1
11	1.7	.88	2.1	1.4	1.6	1.7	2.1	1.7	1.6	1.8	2.3	7.8
12	1.7	.79	1.8	1.7	1.9	2.0	2.1	2.3	1.9	3.5	2.1	2.5
13	1.7	1.2	1.7	1.6	1.7	1.5	2.2	1.6	4.1	2.5	2.5	3.4
14	1.8	1.5	1.7	1.5	1.8	1.8	2.2	1.6	1.7	1.7	2.8	2.8
15	1.7	1.6	1.7	1.6	1.7	5.3	2.5	1.6	1.5	1.8	2.1	2.0
16	1.7	1.7	1.6	1.9	2.2	1.6	2.1	1.6	2.5	2.0	2.6	2.0
17	1.5	.87	1.4	1.6	1.7	2.9	2.1	1.7	1.8	2.1	2.1	2.1
18	1.6	.81	1.6	2.2	1.7	1.4	2.0	2.1	1.6	2.2	2.2	2.1
19	1.6	3.5	1.4	2.7	1.8	1.4	2.1	1.7	1.7	2.1	2.3	2.1
20	1.7	.91	1.3	2.9	1.7	3.7	2.1	1.9	2.8	2.3	2.2	2.4
21	1.9	1.4	1.4	2.6	1.7	1.7	2.1	1.7	3.0	2.2	2.1	2.1
22	2.1	1.6	1.5	2.5	3.5	2.7	2.0	1.9	1.7	2.1	2.2	2.0
23	1.8	1.5	1.5	1.6	1.8	1.6	2.0	1.6	1.6	3.7	2.2	1.8
24	2.0	.93	1.7	1.7	2.1	1.4	2.0	1.6	1.4	3.1	2.0	2.0
25	1.9	3.0	1.6	1.6	2.0	1.9	2.9	1.7	2.1	2.1	2.0	1.8
26	1.9	2.2	1.6	1.8	.77	3.5	1.9	1.6	1.7	2.2	2.2	1.8
27	1.8	2.5	2.0	1.6	.73	3.9	1.5	e1.7	2.3	2.3	2.3	1.9
28	1.8	1.6	2.6	1.6	.81	3.0	1.6	1.7	1.6	2.5	2.3	1.9
29	2.0	2.1	1.7	1.7	---	4.3	1.6	6.1	1.6	2.3	2.1	1.8
30	1.9	1.7	1.7	2.1	---	1.8	1.6	2.9	1.7	4.0	2.1	1.7
31	1.9	---	1.7	1.8	---	1.8	---	2.7	---	2.8	2.1	---
TOTAL	55.5	48.99	52.6	57.1	48.11	66.98	61.5	61.5	57.7	74.8	69.2	72.0
MEAN	1.79	1.63	1.70	1.84	1.72	2.16	2.05	1.98	1.92	2.41	2.23	2.40
MAX	2.1	3.5	2.6	2.9	3.5	5.3	2.9	6.1	4.1	5.7	2.8	7.8
MIN	1.5	.79	1.3	1.4	.73	.83	1.5	1.5	1.3	1.5	2.0	1.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2001, BY WATER YEAR (WY)

MEAN	2.66	2.57	2.63	2.87	3.04	2.88	2.63	2.60	2.84	2.62	2.54	2.50
MAX	4.66	3.79	4.06	4.07	4.68	4.80	5.12	4.44	4.84	4.16	4.84	4.24
(WY)	1991	1983	1990	1986	1985	1998	1998	1998	1995	1984	1988	1989
MIN	1.15	1.57	1.69	1.73	1.72	1.57	1.92	1.48	1.92	1.42	1.45	1.08
(WY)	1992	1992	1992	1992	2001	1992	1992	1992	2001	1990	1992	1990

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1973 - 2001
ANNUAL TOTAL	820.89	725.98	
ANNUAL MEAN	2.24	1.99	
HIGHEST ANNUAL MEAN			2.72
LOWEST ANNUAL MEAN			3.74
HIGHEST DAILY MEAN	18	Sep 22	1.72
LOWEST DAILY MEAN	.79	Nov 12	48 Oct 12 1990
ANNUAL SEVEN-DAY MINIMUM	1.2	Nov 12	.46 Jul 30 1990
MAXIMUM PEAK FLOW			.60 Jul 26 1990
MAXIMUM PEAK STAGE			a 448 Jun 24 1995
10 PERCENT EXCEEDS	3.0		9.46 Jun 24 1995
50 PERCENT EXCEEDS	2.1		4.0
90 PERCENT EXCEEDS	1.5		2.4
			1.7

a From rating curve extended above 5 ft³/s based on contracted opening indirect computations.

e Estimated

