

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 mi<sup>2</sup>.

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.--No estimated daily discharges. Records fair. Flow completely 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	2.8	2.7	2.0	2.2	2.1	3.1	2.1	1.7	1.9	3.2	7.2	2.3
2	2.3	2.5	2.1	2.2	2.1	3.7	2.1	1.9	2.0	2.7	4.3	2.4
3	2.2	2.2	2.1	2.3	2.1	3.9	2.5	1.8	2.1	1.8	4.0	2.2
4	3.9	2.4	2.5	2.5	2.1	4.3	2.2	1.4	2.0	2.2	3.9	2.4
5	2.4	2.4	2.1	2.1	2.1	4.1	2.1	1.5	2.1	1.9	2.5	2.2
6	2.5	2.2	2.8	2.3	2.0	4.1	2.2	1.5	2.0	1.9	2.2	2.2
7	2.4	2.1	2.4	2.3	2.1	3.0	2.4	1.5	2.3	2.0	2.4	2.3
8	2.4	2.2	2.1	2.2	2.0	2.8	2.7	1.5	2.2	1.9	2.5	2.1
9	2.3	2.1	2.0	2.2	2.2	2.4	2.0	1.5	2.1	1.7	2.5	2.1
10	2.3	2.2	2.1	5.1	2.1	1.3	2.1	1.8	2.4	1.8	2.7	2.3
11	2.4	2.2	2.0	2.0	2.2	1.8	2.1	1.8	2.5	1.8	2.5	2.3
12	3.8	2.2	2.0	2.3	2.2	1.3	2.2	1.8	2.2	1.8	2.5	2.1
13	2.8	2.2	2.2	3.3	2.1	1.3	2.1	2.5	2.2	1.5	2.2	2.1
14	3.3	2.2	2.2	2.2	2.9	1.3	2.2	2.4	2.0	1.6	1.6	2.1
15	2.3	2.2	2.1	2.1	2.2	1.4	2.9	2.4	2.0	1.6	2.0	2.1
16	2.3	2.6	2.0	2.1	3.3	2.5	2.3	2.5	2.1	2.1	1.7	2.0
17	2.3	2.0	2.1	2.0	2.3	1.5	1.6	2.2	1.9	1.8	1.6	1.9
18	2.1	1.8	2.1	2.1	2.1	1.4	1.4	2.1	2.5	1.8	3.1	2.3
19	2.1	1.9	2.3	2.1	2.0	1.4	1.4	1.9	5.1	2.0	2.5	1.5
20	2.3	1.9	2.5	2.3	2.1	7.7	1.6	1.9	2.1	2.2	2.4	2.1
21	2.2	1.7	3.0	2.0	2.1	1.7	1.6	2.0	2.9	2.0	2.6	1.4
22	2.1	1.9	2.7	2.2	2.1	2.4	1.7	2.0	4.6	2.0	3.4	1.8
23	2.4	1.9	2.0	4.0	2.2	3.5	1.8	2.0	1.8	5.8	2.5	6.8
24	2.3	1.9	2.1	6.2	2.1	3.5	1.9	2.1	1.9	2.2	2.4	3.1
25	2.2	2.0	1.9	2.9	2.2	2.5	1.7	2.0	1.8	2.3	4.1	3.5
26	2.1	2.0	1.9	3.4	2.0	2.1	1.9	6.7	1.8	2.6	2.4	2.5
27	2.2	1.9	2.2	2.3	2.4	2.1	1.8	2.5	2.0	2.2	2.3	1.6
28	2.2	1.8	2.2	2.3	2.1	2.1	2.0	3.5	1.8	2.2	2.3	1.4
29	2.2	2.0	2.9	3.0	2.1	2.1	1.9	2.5	4.9	3.5	2.4	1.4
30	2.3	2.0	2.3	3.5	---	2.4	1.8	1.9	2.3	2.6	2.1	2.0
31	2.2	---	2.2	2.2	---	2.2	---	2.0	---	2.3	2.3	---
TOTAL	75.6	63.3	69.1	81.9	63.6	80.9	60.3	66.8	71.5	69.0	85.1	84.7
MEAN	2.44	2.11	2.23	2.64	2.19	2.61	2.01	2.15	2.38	2.23	2.75	2.82
MAX	3.9	2.7	3.0	6.2	3.3	7.7	2.9	6.7	5.1	5.8	7.2	18
MIN	2.1	1.7	1.9	2.0	2.0	1.3	1.4	1.4	1.8	1.5	1.6	1.4

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

MEAN	2.70	2.60	2.66	2.91	3.09	2.90	2.65	2.62	2.88	2.62	2.55	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	1.94	1.57	1.92	1.48	1.96	1.42	1.45	1.08
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1980	1990	1992	1990

SAVANNAH RIVER BASIN

02197338 SITE NO. 5 AT SAVANNAH RIVER SITE, SC--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1973 - 2000	
ANNUAL TOTAL	866.52		871.8			
ANNUAL MEAN	2.37		2.38		2.75	
HIGHEST ANNUAL MEAN					3.74 1989	
LOWEST ANNUAL MEAN					1.72 1992	
HIGHEST DAILY MEAN	8.6	Jun 16	18	Sep 22	48	Oct 12 1990
LOWEST DAILY MEAN	.78	Apr 12	1.3	Mar 10	.46	Jul 30 1990
ANNUAL SEVEN-DAY MINIMUM	1.3	Apr 10	1.5	Mar 12	.60	Jul 26 1990
INSTANTANEOUS PEAK FLOW			a 371	Sep 22	a 448	Jun 24 1995
INSTANTANEOUS PEAK STAGE			6.77	Sep 22	9.46	Jun 24 1995
10 PERCENT EXCEEDS	3.1		3.1		4.0	
50 PERCENT EXCEEDS	2.2		2.2		2.4	
90 PERCENT EXCEEDS	1.9		1.8		1.7	

a From rating curve extended above 5 ft<sup>3</sup>/s based on contracted opening indirect computations.

