

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 September 2002 (discontinued).

GAGE.--Data collection platform. Datum of gage is 250.6 ft above NGVD of 1929 (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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.9	1.7	1.7	1.3	1.8	1.8	2.1	2.0	1.8	2.6	2.8
2	2.2	2.1	1.7	1.3	1.6	3.4	1.9	2.1	2.0	2.0	2.9	1.8
3	1.3	1.9	1.6	1.6	1.3	1.9	2.0	2.7	1.8	2.9	2.9	1.7
4	1.6	1.8	1.9	1.8	1.4	2.0	2.0	2.0	2.0	2.2	1.9	1.7
5	1.9	1.8	2.5	2.0	1.3	3.2	2.1	1.9	2.3	2.4	2.0	2.2
6	1.7	1.8	2.2	2.3	3.9	2.4	2.1	2.0	2.1	2.1	1.9	2.7
7	1.6	1.5	1.8	1.7	3.3	1.9	2.1	2.0	2.1	2.1	1.9	2.1
8	1.8	1.6	1.8	1.9	2.2	2.1	2.4	2.0	1.9	1.9	2.0	1.8
9	1.7	1.7	1.8	1.6	3.3	2.3	2.1	1.9	2.0	2.0	2.0	1.8
10	1.7	2.0	1.8	1.5	2.4	2.2	2.9	2.0	2.0	1.9	2.5	1.8
11	1.7	1.7	1.8	1.7	2.3	2.2	2.1	2.1	2.0	2.2	1.9	1.9
12	1.8	1.6	1.7	2.9	1.9	2.9	2.6	1.9	2.0	2.4	1.9	1.8
13	1.8	1.6	1.9	1.9	1.8	2.4	2.4	2.1	2.1	3.6	1.9	1.9
14	2.4	1.8	2.1	2.1	2.1	1.9	2.5	2.0	2.5	2.0	1.9	2.6
15	1.8	1.7	1.7	1.9	1.8	2.0	2.5	2.0	1.5	1.9	1.9	2.1
16	1.7	1.7	1.8	1.9	2.0	1.9	2.3	2.0	1.2	2.3	1.9	2.0
17	1.7	1.9	2.5	1.8	2.0	2.3	2.5	2.3	1.1	2.2	2.1	2.0
18	1.8	1.7	1.7	2.6	2.0	2.1	2.1	2.7	1.2	2.1	2.4	2.2
19	1.9	1.9	1.8	3.1	1.9	1.9	2.1	1.9	1.2	2.0	2.3	2.2
20	1.9	1.8	1.9	1.7	1.8	2.0	2.0	2.0	2.3	2.0	1.7	2.3
21	1.9	1.7	1.6	1.6	2.0	2.5	1.9	2.0	2.1	2.3	1.7	2.1
22	1.8	1.7	1.9	1.8	1.9	1.9	1.9	2.9	1.9	2.1	1.6	2.0
23	1.8	2.6	1.8	1.8	1.8	1.8	1.9	2.3	1.8	2.0	1.5	2.0
24	1.8	1.7	1.8	1.3	1.9	1.8	2.0	1.9	2.8	2.1	1.5	2.0
25	1.8	1.9	2.2	0.61	2.1	1.8	2.2	2.1	2.0	2.2	1.6	2.0
26	1.8	1.7	2.1	1.4	1.9	2.0	1.9	2.0	1.9	2.0	1.5	3.1
27	2.1	1.9	1.8	1.4	1.8	1.8	2.1	1.9	1.9	2.0	1.8	2.2
28	2.5	1.7	2.2	1.4	2.1	1.9	1.9	1.9	1.9	2.0	1.9	2.4
29	2.2	1.8	1.9	1.5	---	2.4	1.9	1.8	1.9	1.9	1.5	1.6
30	2.1	1.7	1.7	1.3	---	2.3	2.2	2.0	2.0	1.9	2.0	1.4
31	2.0	---	1.7	1.3	---	1.9	---	1.9	---	2.5	2.0	---
TOTAL	57.7	53.9	58.4	54.41	57.1	66.9	64.4	64.4	57.5	67.0	61.1	62.2
MEAN	1.86	1.80	1.88	1.76	2.04	2.16	2.15	2.08	1.92	2.16	1.97	2.07
MAX	2.5	2.6	2.5	3.1	3.9	3.4	2.9	2.9	2.8	3.6	2.9	3.1
MIN	1.3	1.5	1.6	0.61	1.3	1.8	1.8	1.8	1.1	1.8	1.5	1.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2002, BY WATER YEAR (WY)

MEAN	2.64	2.54	2.60	2.84	3.01	2.85	2.61	2.58	2.81	2.60	2.52	2.48
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	2002	1990	1992	1990

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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1973 - 2002
ANNUAL TOTAL	738.89	725.01	
ANNUAL MEAN	2.02	1.99	
HIGHEST ANNUAL MEAN			2.69
LOWEST ANNUAL MEAN			3.74 1989
HIGHEST DAILY MEAN	7.8 Sep 11	3.9 Feb 6	1.72 1992
LOWEST DAILY MEAN	0.73 Feb 27	0.61 Jan 25	48 Oct 12 1990
ANNUAL SEVEN-DAY MINIMUM	1.2 Feb 24	1.3 Jan 24	0.46 Jul 30 1990
MAXIMUM PEAK FLOW		18 Mar 12	0.60 Jul 26 1990
MAXIMUM PEAK STAGE		1.74 Mar 12	a 448 Jun 24 1995
10 PERCENT EXCEEDS	2.6	2.4	9.46 Jun 24 1995
50 PERCENT EXCEEDS	1.9	1.9	4.0
90 PERCENT EXCEEDS	1.6	1.6	2.4
			1.7

a From rating curve extended above 5 ft³/s and on basis of contracted-opening measurement of peak flow.

