

## SAVANNAH RIVER BASIN

02197326 BEAVERDAM CREEK AT 400-D AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°11'12'', long 81°45'05'', Barnwell County, Hydrologic Unit 03060106, on downstream side of foot bridge near left bank, 1.0 mi downstream from Area 400-D, at Savannah River Site.

DRAINAGE AREA.--0.73 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1974 to September 2002 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 108 ft above NGVD of 1929 (from topographic map). From September 30, 1998 to May 7, 2002 at datum 6.0 ft higher. From June 13, 1974 to October 1, 1998 at datum 2.0 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Savannah River Site operations and South Carolina Electric and Gas Company 1.0 mi upstream.

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	84	89	64	61	75	83	77	---	56	57	88	57
2	84	89	64	61	63	66	84	---	72	57	80	57
3	83	89	64	61	64	66	93	---	83	65	68	58
4	83	88	64	61	63	75	92	---	83	57	67	59
5	84	88	68	45	63	77	91	---	82	57	80	58
6	84	75	64	43	65	64	80	---	82	56	81	57
7	84	67	62	44	69	64	72	e58	57	57	58	56
8	85	66	63	57	65	68	73	57	56	56	51	56
9	85	72	62	55	64	74	77	58	56	56	51	57
10	85	69	61	56	72	89	73	56	67	55	51	59
11	85	68	61	55	87	90	74	57	82	57	51	58
12	85	65	61	56	66	91	67	56	77	58	51	56
13	85	73	61	57	63	95	66	58	55	58	51	57
14	85	64	60	57	63	95	66	57	55	57	51	58
15	85	62	59	56	63	94	79	57	56	56	53	59
16	85	64	59	56	62	93	76	56	55	57	54	59
17	87	62	59	57	63	92	95	57	55	67	55	57
18	88	62	60	59	63	89	94	58	53	94	55	79
19	88	62	59	60	63	82	e81	58	57	102	57	85
20	88	63	59	61	76	83	---	58	56	102	57	58
21	89	62	58	63	63	92	---	57	56	102	55	56
22	89	61	61	72	62	92	---	57	57	91	57	56
23	89	61	62	77	62	71	---	57	57	71	56	59
24	89	63	61	71	63	e69	---	57	e58	57	57	59
25	89	59	63	61	63	79	---	57	---	57	57	58
26	89	58	63	60	63	e91	---	57	---	58	58	59
27	85	60	63	61	66	e98	---	57	e57	81	59	59
28	90	62	62	62	99	e76	---	57	57	80	61	58
29	89	62	62	71	---	e80	---	e64	57	81	60	58
30	90	64	63	74	---	70	---	e64	57	93	57	58
31	91	---	62	74	---	69	---	56	---	95	57	---
TOTAL	2681	2049	1914	1864	1873	2517	---	---	---	2147	1844	1780
MEAN	86.5	68.3	61.7	60.1	66.9	81.2	---	---	---	69.3	59.5	59.3
MAX	91	89	68	77	99	98	---	---	---	102	88	85
MIN	83	58	58	43	62	64	---	---	---	55	51	56
CFSM	118	93.6	84.6	82.4	91.6	111	---	---	---	94.9	81.5	81.3
IN.	136.62	104.41	97.54	94.99	95.45	128.26	---	---	---	109.41	93.97	90.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2002, BY WATER YEAR (WY)

MEAN	80.7	76.9	74.6	72.7	75.4	79.7	81.2	82.6	87.7	92.5	91.5	87.4
MAX	100	101	97.7	98.9	129	118	115	114	109	113	117	118
(WY)	1987	1986	1983	1998	1998	1998	1998	1998	1975	1974	1999	1999
MIN	58.6	58.5	59.2	24.4	54.1	58.6	59.6	55.8	59.3	68.9	59.5	59.3
(WY)	1996	1977	1997	1975	1997	1992	1990	1990	1988	1989	2002	2002

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## SUMMARY STATISTICS

## FOR 2001 CALENDAR YEAR

## WATER YEARS 1974 - 2002

ANNUAL TOTAL	30009	
ANNUAL MEAN	82.2	
HIGHEST ANNUAL MEAN		81.9
LOWEST ANNUAL MEAN		66.6
HIGHEST DAILY MEAN	111	Jun 17
LOWEST DAILY MEAN	58	Nov 26
ANNUAL SEVEN-DAY MINIMUM	59	Dec 15
MAXIMUM PEAK FLOW		
MAXIMUM PEAK STAGE		
ANNUAL RUNOFF (CFSM)	113	
ANNUAL RUNOFF (INCHES)	1529.23	1524.18
10 PERCENT EXCEEDS	94	101
50 PERCENT EXCEEDS	86	83
90 PERCENT EXCEEDS	63	62

a Also occurred on Oct. 23, 24, 1999.

b At datum then in use.

e Estimated

