

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 mi².

PERIOD OF RECORD.--June 1974 to current year.

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

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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	62	58	57	54	76	94	64	62	60	56	57
2	61	61	58	58	54	59	110	64	63	58	57	57
3	61	61	59	59	55	63	107	65	62	58	57	56
4	61	60	60	58	54	71	107	64	61	57	56	57
5	59	60	59	57	54	63	108	63	60	56	55	58
6	59	59	59	57	56	63	110	62	60	56	55	58
7	59	60	59	57	58	63	111	62	59	68	57	64
8	59	60	64	56	58	71	108	61	61	85	57	66
9	58	60	64	55	60	88	94	63	64	85	56	61
10	58	59	63	55	62	89	96	65	63	85	56	59
11	74	59	62	53	63	89	98	64	62	85	57	57
12	92	61	60	54	68	89	99	64	63	85	57	58
13	87	64	59	58	64	84	100	66	63	86	58	58
14	87	63	61	58	68	65	99	73	61	85	57	59
15	68	62	60	62	67	78	102	83	61	86	57	58
16	60	62	60	63	65	74	102	83	60	85	58	58
17	61	61	60	62	63	76	102	83	61	83	59	59
18	63	62	62	61	64	82	102	82	62	84	58	58
19	63	62	65	60	63	77	102	82	62	85	58	60
20	64	61	64	61	62	78	101	82	61	78	58	59
21	64	62	62	61	59	77	67	83	60	56	58	59
22	64	62	60	61	57	72	72	82	61	56	57	58
23	63	62	59	60	61	58	100	81	61	56	58	58
24	62	62	58	61	63	58	102	83	60	56	58	56
25	63	60	59	59	63	71	104	81	59	56	57	56
26	62	57	63	61	74	69	101	80	57	56	57	54
27	61	58	64	59	66	74	67	80	56	56	57	61
28	e61	60	64	55	64	84	64	61	57	56	57	62
29	e104	59	63	55	72	76	63	61	56	56	58	61
30	e62	58	64	55	---	78	63	61	58	55	59	61
31	62	---	60	54	---	82	---	61	---	56	58	---
TOTAL	2043	1819	1892	1802	1791	2297	2855	2209	1816	2125	1773	1763
MEAN	65.9	60.6	61.0	58.1	61.8	74.1	95.2	71.3	60.5	68.5	57.2	58.8
MAX	104	64	65	63	74	89	111	83	64	86	59	66
MIN	58	57	58	53	54	58	63	61	56	55	55	54
CFSM	90.3	83.1	83.6	79.6	84.6	102	130	97.6	82.9	93.9	78.3	80.5
IN.	104.11	92.69	96.41	91.83	91.27	117.05	145.49	112.57	92.54	108.29	90.35	89.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2004, BY WATER YEAR (WY)

MEAN	79.4	75.7	73.5	71.8	74.6	79.5	81.1	82.2	86.4	91.7	90.3	85.5
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	58.2	58.5	56.9	24.4	54.1	58.6	59.6	55.8	59.3	68.5	57.2	58.8
(WY)	2003	1977	2003	1975	1997	1992	1990	1990	1988	2004	2004	2004

SAVANNAH RIVER BASIN

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1974 - 2004	
ANNUAL TOTAL	26013		24185		80.9	
ANNUAL MEAN	71.3		66.1		98.2	
HIGHEST ANNUAL MEAN					66.1	
LOWEST ANNUAL MEAN					135	
HIGHEST DAILY MEAN	110	Feb 27	111	Apr 7	1.0	a Oct 22 1998
LOWEST DAILY MEAN	54	Jan 10	53	Jan 11	1.1	Oct 18 1999
ANNUAL SEVEN-DAY MINIMUM	55	Jan 6	54	Jan 30	226	Sep 22 2000
MAXIMUM PEAK FLOW			114	b Oct 12	d 4.05	Mar 20 2003
MAXIMUM PEAK STAGE			3.69	c Apr 6	111	
ANNUAL RUNOFF (CFSM)	97.6		90.5		1505.18	
ANNUAL RUNOFF (INCHES)	1325.59		1232.44		111	
10 PERCENT EXCEEDS	94		85		100	
50 PERCENT EXCEEDS	64		61		83	
90 PERCENT EXCEEDS	58		56		60	

a Also occurred Oct. 23, 24, 1999.

b Also occurred Apr. 26.

c Also occurred Apr. 7.

d At datum then in use.

e Estimated

