

SAVANNAH RIVER BASIN

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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 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	52	59	63	60	80	91	98	62	56	53	57
2	57	51	59	62	61	79	80	99	66	57	59	58
3	56	51	59	61	62	77	71	100	61	60	52	58
4	56	51	58	60	62	77	70	99	59	60	52	58
5	57	50	62	60	60	76	72	99	58	56	54	58
6	57	49	64	59	58	76	74	96	e56	62	54	58
7	57	50	63	56	54	75	81	95	e56	55	54	59
8	58	63	62	54	78	76	83	94	61	56	53	58
9	57	84	63	54	79	74	81	90	64	59	53	57
10	56	83	65	56	78	75	81	88	68	59	53	58
11	56	82	63	56	63	73	81	89	60	58	67	57
12	55	82	62	55	57	72	81	92	59	59	93	56
13	55	84	61	53	63	71	78	85	57	63	91	57
14	58	83	62	58	53	71	77	68	57	53	92	57
15	60	81	61	56	65	71	76	70	56	54	92	57
16	60	83	62	55	72	74	77	70	56	53	104	56
17	59	85	62	54	79	77	77	64	56	53	104	56
18	58	85	59	54	80	78	91	56	55	53	105	56
19	57	85	57	55	84	66	103	56	55	59	78	56
20	57	85	58	56	83	65	92	59	55	55	58	55
21	57	85	58	55	74	73	91	59	56	53	56	56
22	58	76	58	58	76	72	95	58	56	57	56	56
23	57	56	58	57	70	71	102	57	55	53	57	55
24	57	58	58	57	86	73	101	58	56	53	58	53
25	55	57	58	62	81	74	100	58	56	60	57	53
26	55	56	61	61	79	74	101	57	57	65	57	54
27	52	56	60	61	80	91	100	55	57	65	57	57
28	52	58	59	60	81	83	99	55	57	65	57	62
29	52	58	57	61	---	85	99	54	56	56	56	58
30	52	58	61	62	---	89	99	57	56	53	56	56
31	53	---	64	61	---	80	---	57	---	53	57	---
TOTAL	1744	2037	1873	1792	1978	2348	2604	2292	1739	1773	2045	1702
MEAN	56.3	67.9	60.4	57.8	70.6	75.7	86.8	73.9	58.0	57.2	66.0	56.7
MAX	60	85	65	63	86	91	103	100	68	65	105	62
MIN	52	49	57	53	53	65	70	54	55	53	52	53
CFSM	77.1	93.0	82.8	79.2	96.8	104	119	101	79.4	78.3	90.4	77.7
IN.	88.87	103.80	95.45	91.32	100.80	119.65	132.70	116.80	88.62	90.35	104.21	86.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2005, BY WATER YEAR (WY)

MEAN	78.7	75.5	73.0	71.4	74.5	79.4	81.3	82.0	85.4	90.6	89.5	84.6
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	56.3	58.5	56.9	24.4	54.1	58.6	59.6	55.8	58.0	57.2	57.2	56.7
(WY)	2005	1977	2003	1975	1997	1992	1990	1990	2005	2005	2004	2005

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1974 - 2005	
ANNUAL TOTAL	24085		23927		80.3	
ANNUAL MEAN	65.8		65.6		98.2 1998	
HIGHEST ANNUAL MEAN					65.6 2005	
LOWEST ANNUAL MEAN					135 Feb 4 1998	
HIGHEST DAILY MEAN	111	Apr 7	105	Aug 18	1.0 a Oct 22 1999	
LOWEST DAILY MEAN	49	Nov 6	49	Nov 6	1.1 Oct 18 1999	
ANNUAL SEVEN-DAY MINIMUM	51	Nov 1	51	Nov 1	226 Sep 22 2000	
MAXIMUM PEAK FLOW			115 Jun 1		b 4.05 Mar 20 2003	
MAXIMUM PEAK STAGE			3.55 Jun 1		110	
ANNUAL RUNOFF (CFSM)	90.1		89.8		1495.00	
ANNUAL RUNOFF (INCHES)	1227.35		1219.29		100	
10 PERCENT EXCEEDS	85		85		82	
50 PERCENT EXCEEDS	61		59		59	
90 PERCENT EXCEEDS	56		54			

a Also occurred Oct. 23, 24, 1999.

b At datum then in use.

e Estimated

