

Water-Data Report 2006

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

Savannah Basin
Middle Savannah Subbasin

LOCATION.--Lat 33°11'12", long 81°45'05" referenced to North American Datum of 1927, Barnwell County, SC, 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.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1974 to July 2006 (discontinued)

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 miupstream.

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FROM THE DCP
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	55	80	60	68	81	83	81	78	72	79	---	---
2	54	84	53	81	78	84	81	78	72	79	---	---
3	54	102	52	83	79	83	80	77	74	77	---	---
4	55	100	60	59	78	83	80	77	73	77	---	---
5	55	98	78	80	77	83	80	77	73	---	---	---
6	61	98	64	77	77	82	80	76	73	---	---	---
7	63	99	53	58	79	82	79	75	71	---	---	---
8	61	100	53	57	79	81	81	75	72	---	---	---
9	60	100	53	57	80	79	81	75	72	---	---	---
10	60	100	52	66	81	78	80	75	73	---	---	---
11	61	91	52	57	82	81	80	74	72	---	---	---
12	61	71	63	57	81	85	81	73	72	---	---	---
13	61	71	53	57	82	87	79	73	74	---	---	---
14	60	72	53	56	93	81	81	75	83	---	---	---
15	60	73	56	55	96	79	80	77	78	---	---	---
16	59	64	58	55	94	80	80	75	76	---	---	---
17	59	50	56	e53	85	88	80	81	75	---	---	---
18	60	62	59	e56	81	90	81	79	75	---	---	---
19	59	78	56	57	79	87	81	74	77	---	---	---
20	58	77	57	58	78	92	82	73	79	---	---	---
21	68	83	57	58	78	86	81	72	80	---	---	---
22	79	81	57	58	78	94	81	72	81	---	---	---
23	77	80	55	59	78	84	81	73	81	---	---	---
24	77	80	54	59	78	83	80	73	80	---	---	---
25	81	78	54	58	80	83	80	72	80	---	---	---
26	81	76	53	59	83	82	80	72	80	---	---	---
27	80	74	53	59	81	80	80	72	80	---	---	---
28	77	73	67	58	82	79	e80	72	80	---	---	---
29	76	73	61	56	---	79	78	71	79	---	---	---
30	75	70	56	57	---	80	e78	72	79	---	---	---
31	77	---	66	57	---	80	---	72	---	---	---	---
Total	2,024	2,438	1,774	1,885	2,278	2,578	2,407	2,310	2,286	---	---	---
Mean	65.3	81.3	57.2	60.8	81.4	83.2	80.2	74.5	76.2	---	---	---
Max	81	102	78	83	96	94	82	81	83	---	---	---
Min	54	50	52	53	77	78	78	71	71	---	---	---
Cfsm	89.4	111	78.4	83.3	111	114	110	102	104	---	---	---
In.	103.14	124.24	90.40	96.06	116.08	131.37	122.66	117.72	116.49	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	78.2	75.7	72.5	71.0	74.7	79.5	81.2	81.7	85.1	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

	Calendar Year 2005		Water Years 1974 - 2006	
Annual total	24,509			
Annual mean	67.1		80.3	
Highest annual mean			98.2	1998
Lowest annual mean			65.6	2005
Highest daily mean	105	Aug 18	135	Feb 4, 1998
Lowest daily mean	50	Nov 17	1.0	a Oct 22, 1999
Annual seven-day minimum	53	Aug 3	1.1	Oct 18, 1999
Maximum peak flow			226	Sep 22, 2000
Maximum peak stage			b 4.05	Mar 20, 2003
Annual runoff (cfsm)	92.0		110	
Annual runoff (inches)	1,248.95		1,495.00	
10 percent exceeds	91		100	
50 percent exceeds	60		82	
90 percent exceeds	54		59	

e Estimated

a Also occurred Oct. 23, 24, 1999.

b At datum then in use.

