

SANTEE RIVER BASIN

02167557 BUSH RIVER AT JOANNA, SC

LOCATION.--Lat 34°24'28'', long 81°49'35'', Laurens County, Hydrologic Unit 03050108, downstream side of bridge on State Highway 66, 1.0 mi west of Joanna.

DRAINAGE AREA.--11.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1995 to September 2005 (discontinued).

GAGE.--Data collection platform. Elevation of gage is 530 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, which are poor.

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	12	23	25	20	16	62	81	16	52	6.8	20	2.1
2	5.7	23	25	19	8.8	36	42	7.9	290	4.2	19	1.6
3	4.7	23	22	18	55	25	29	4.2	75	15	7.7	1.2
4	23	26	19	19	45	22	22	3.3	40	38	4.0	0.88
5	16	37	19	19	25	21	14	2.4	29	20	2.6	0.71
6	7.3	25	22	19	17	14	10	2.6	16	13	2.0	0.64
7	5.6	18	29	24	11	6.6	20	2.9	11	9.9	1.6	0.63
8	2.3	13	25	21	8.4	57	34	2.8	9.9	19	3.3	0.56
9	1.9	13	21	20	9.7	32	30	2.8	9.8	11	2.6	0.50
10	1.9	17	37	20	10	19	19	2.4	14	5.4	11	0.43
11	2.0	19	35	20	6.1	12	12	14	9.9	3.7	6.5	0.39
12	2.1	23	26	20	4.2	6.6	17	12	7.5	2.6	6.6	e0.38
13	4.0	26	23	21	3.3	4.8	136	5.1	6.1	2.2	4.3	e0.38
14	12	23	20	102	11	21	47	3.9	5.1	2.0	2.7	0.39
15	7.6	22	17	40	33	28	29	3.6	3.8	1.8	1.8	0.40
16	8.1	22	17	24	16	84	22	3.2	2.6	1.5	1.2	0.38
17	6.8	22	18	16	9.3	97	15	2.7	1.9	1.3	3.4	0.36
18	7.2	22	18	9.7	7.2	47	12	2.6	1.4	1.1	7.5	0.35
19	8.2	22	22	6.5	6.9	31	7.9	2.4	e1.9	0.94	110	0.35
20	9.3	23	21	6.1	6.7	23	5.9	58	e11	0.81	35	0.33
21	10	22	17	5.6	126	13	4.3	51	8.7	8.5	20	0.36
22	11	22	17	4.5	199	14	8.0	24	4.6	2.9	14	0.40
23	12	36	23	5.4	53	44	35	9.9	2.9	1.8	21	0.37
24	13	40	26	3.9	81	33	23	4.6	2.0	1.3	22	0.28
25	17	51	24	4.1	58	19	10	3.6	1.4	0.98	13	0.25
26	19	31	20	4.5	33	11	7.4	3.0	1.3	0.81	7.5	0.26
27	22	26	17	3.7	27	21	9.6	2.5	27	0.68	4.6	0.26
28	21	29	16	3.6	128	189	8.4	2.1	31	0.60	3.4	0.25
29	20	27	16	5.7	---	64	6.1	1.9	26	10	2.5	0.26
30	22	23	17	20	---	35	9.0	37	14	38	2.2	0.25
31	23	---	18	28	---	77	---	39	---	25	2.3	---
TOTAL	337.7	749	672	553.3	1014.6	1169.0	725.6	333.4	716.8	250.82	365.3	15.90
MEAN	10.9	25.0	21.7	17.8	36.2	37.7	24.2	10.8	23.9	8.09	11.8	0.53
MAX	23	51	37	102	199	189	136	58	290	38	110	2.1
MIN	1.9	13	16	3.6	3.3	4.8	4.3	1.9	1.3	0.60	1.2	0.25
CFSM	0.98	2.25	1.95	1.61	3.26	3.40	2.18	0.97	2.15	0.73	1.06	0.05
IN.	1.13	2.51	2.25	1.85	3.40	3.92	2.43	1.12	2.40	0.84	1.22	0.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

MEAN	7.84	12.6	13.0	17.6	27.4	30.5	25.2	11.1	8.08	7.32	5.39	9.34
MAX	22.8	31.2	30.2	43.0	50.1	66.5	61.9	32.7	23.9	21.7	12.6	29.0
(WY)	1997	1996	2003	1998	1998	2003	2003	2003	2005	2003	1995	2000
MIN	0.30	1.13	1.51	4.61	4.79	10.1	3.58	2.90	0.06	0.13	0.16	0.53
(WY)	2002	2002	2002	2001	2001	1999	2001	2001	2002	2002	2001	2005

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1995 - 2005	
ANNUAL TOTAL	5765.47		6903.42		14.5	
ANNUAL MEAN	15.8		18.9		25.0	
HIGHEST ANNUAL MEAN					5.42	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	334	Sep 28	290	Jun 2	730	Apr 18 2003
LOWEST DAILY MEAN	0.00	a Aug 22	0.25	b Sep 25	0.00	c Aug 28 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 22	0.26	Sep 24	0.00	Aug 28 2001
MAXIMUM PEAK FLOW			416	Jun 2	1160	Feb 2 1996
MAXIMUM PEAK STAGE			6.59	Jun 2	9.49	Apr 18 2003
ANNUAL RUNOFF (CFSM)	1.42		1.70		1.31	
ANNUAL RUNOFF (INCHES)	19.32		23.14		17.77	
10 PERCENT EXCEEDS	30		37		27	
50 PERCENT EXCEEDS	8.5		12		5.4	
90 PERCENT EXCEEDS	0.37		1.3		0.73	

a Also occurred Aug. 23-30.

b Also occurred Sep. 28, 30.

c Also occurred many days in 2001, 2002, Aug. 22-30, 2004, Sep. 28, 30, 2005.

e Estimated

