

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.

PERIOD OF RECORD.--June 1995 to current year.

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

REMARKS.--Records fair except for estimated daily discharges, and those below 20 ft³/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	1.8	1.6	1.4	e46	5.6	4.3	6.7	1.1	4.7	4.3	.95
2	3.0	5.1	1.7	1.1	e34	6.3	6.3	6.3	1.1	3.0	3.9	3.5
3	2.1	6.5	1.7	1.1	17	6.9	12	14	1.1	2.2	3.9	8.7
4	2.5	3.5	1.6	2.0	13	22	9.0	11	1.3	1.8	3.8	6.6
5	5.8	2.9	1.7	2.7	9.4	25	8.1	6.9	1.3	2.1	3.5	6.8
6	2.7	2.8	2.0	2.0	7.1	11	8.7	5.5	1.4	3.6	3.0	4.3
7	2.0	2.8	2.0	1.7	5.9	7.4	9.2	4.3	.99	9.2	2.3	3.8
8	1.7	2.6	1.9	1.9	5.3	6.1	9.7	4.0	.77	5.5	1.6	3.9
9	1.5	2.2	2.0	3.4	4.8	6.5	11	4.8	.66	3.6	1.4	2.7
10	5.3	2.2	3.3	87	4.4	5.8	11	4.0	.59	2.9	1.2	1.8
11	17	3.4	3.4	27	4.2	6.6	11	3.9	.45	2.2	1.0	1.3
12	4.5	8.8	3.1	10	3.9	11	11	4.1	.34	2.3	1.0	1.0
13	2.1	4.2	3.4	8.3	5.5	7.1	14	4.2	.29	4.4	.99	.94
14	2.2	2.9	12	6.0	126	6.1	14	4.5	.25	5.9	.90	1.1
15	1.9	2.6	5.2	4.4	35	6.3	29	4.1	.22	3.8	.77	1.1
16	2.4	2.6	2.2	4.2	14	8.8	22	4.1	.21	2.7	.58	.94
17	2.6	2.6	1.5	4.4	8.9	13	13	3.5	.24	2.2	.50	.69
18	2.5	2.8	1.4	6.1	9.1	7.1	11	2.8	.23	2.1	.35	.80
19	2.3	2.9	1.8	6.5	8.6	6.2	9.1	2.1	.21	1.7	.25	1.1
20	2.4	3.1	2.4	e9.0	5.9	137	8.7	1.9	1.6	1.3	.26	1.0
21	4.0	3.6	5.8	e11	6.1	44	7.5	1.8	30	1.1	.26	1.6
22	3.4	3.5	13	e14	6.8	19	7.1	2.0	6.2	.90	.25	131
23	2.4	3.2	3.0	e44	5.4	12	7.0	1.3	3.3	2.2	.22	557
24	2.0	3.0	2.0	e126	5.0	9.0	9.7	1.1	2.5	4.8	.24	43
25	1.9	4.0	1.5	e102	5.1	7.7	82	1.1	1.9	18	.24	17
26	1.7	19	1.2	e59	6.8	6.4	44	1.5	1.4	8.5	.25	47
27	1.6	6.0	.74	e32	5.4	6.2	17	2.0	1.1	3.6	.23	9.5
28	1.6	2.7	1.5	e26	9.3	7.8	13	2.4	.86	2.8	.23	4.7
29	1.7	1.9	1.4	e23	6.2	5.6	11	1.8	3.5	2.3	.21	3.1
30	1.8	2.1	1.1	e62	---	7.0	8.8	1.4	8.0	2.5	.21	2.8
31	1.7	---	1.6	e70	---	4.6	---	1.0	---	3.0	.62	---
TOTAL	92.9	117.3	88.74	759.2	424.1	441.1	439.2	120.1	73.11	116.90	38.46	869.72
MEAN	3.00	3.91	2.86	24.5	14.6	14.2	14.6	3.87	2.44	3.77	1.24	29.0
MAX	17	19	13	126	126	137	82	14	30	18	4.3	557
MIN	1.5	1.8	.74	1.1	3.9	4.6	4.3	1.0	.21	.90	.21	.69
CFSM	.27	.35	.26	2.21	1.32	1.28	1.32	.35	.22	.34	.11	2.61
IN.	.31	.39	.30	2.54	1.42	1.48	1.47	.40	.25	.39	.13	2.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2000	2000	2000	2000	1995	2000
MEAN	11.2	13.1	12.5	25.9	30.8	26.4	28.2	10.4	6.22	5.52	5.59	11.4
MAX	22.8	31.2	28.0	43.0	50.1	44.7	60.1	14.2	9.73	9.09	12.6	29.0
(WY)	1997	1996	1998	1998	1998	1998	1998	1998	1996	1997	1995	2000
MIN	3.00	3.91	2.86	11.2	14.6	10.1	14.6	3.87	2.44	3.60	1.24	2.10
(WY)	2000	2000	2000	1999	2000	1999	2000	2000	2000	1995	2000	1999

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	2859.86		3580.83		15.5	
ANNUAL MEAN	7.84		9.78		23.8	
HIGHEST ANNUAL MEAN					8.31	
LOWEST ANNUAL MEAN					1999	
HIGHEST DAILY MEAN	127	Apr 30	557	Sep 23	557	Sep 23 2000
LOWEST DAILY MEAN	.61	a Aug 19	.21	Jun 16	.21	Jun 16 2000
ANNUAL SEVEN-DAY MINIMUM	.68	Aug 13	.23	Aug 24	.23	Aug 24 2000
INSTANTANEOUS PEAK FLOW			1010	Sep 23	1160	Feb 2 1996
INSTANTANEOUS PEAK STAGE			7.86	Sep 23	8.09	Feb 2 1996
ANNUAL RUNOFF (CFSM)	.71		.88		1.39	
ANNUAL RUNOFF (INCHES)	9.58		12.00		18.94	
10 PERCENT EXCEEDS	17		14		25	
50 PERCENT EXCEEDS	3.7		3.5		6.7	
90 PERCENT EXCEEDS	1.5		.94		2.2	

a Also occurred Jun. 19, Aug. 29, 30.

e Estimated

