

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 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

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

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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	8.6	4.5	6.3	20	34	14	4.3	1.1	5.8	21	1.2
2	2.0	5.9	4.7	6.8	10	34	9.5	3.9	0.79	318	15	1.1
3	1.7	5.4	4.7	5.2	4.9	25	5.6	4.2	1.0	51	11	1.1
4	1.5	5.7	6.5	4.0	16	18	4.1	4.6	9.3	28	10	1.9
5	1.3	11	36	3.3	17	21	5.7	4.1	3.1	22	12	3.5
6	1.3	48	34	2.6	8.0	588	11	25	6.5	15	28	6.3
7	1.1	22	16	2.2	53	96	105	40	110	10	26	3.6
8	0.81	9.7	8.2	2.1	26	36	50	23	58	7.9	46	2.3
9	0.86	6.7	5.0	2.3	15	25	134	9.7	15	6.4	23	2.0
10	0.97	5.6	3.7	2.5	23	19	242	5.5	3.9	5.2	13	1.8
11	1.6	e76	18	2.5	20	12	109	6.8	2.4	13	10	1.6
12	0.95	e165	18	2.0	9.7	8.2	39	6.8	4.0	20	7.1	1.3
13	1.6	e49	100	2.6	4.9	6.1	21	3.8	35	17	13	1.2
14	2.2	e12	67	2.4	3.7	4.5	10	2.8	6.7	38	11	1.2
15	9.5	e12	24	2.5	4.1	12	5.4	2.8	3.4	22	6.7	1.2
16	38	e37	14	1.6	42	26	3.4	2.9	3.0	19	5.2	1.2
17	19	e58	11	2.3	55	22	4.3	3.0	5.8	13	7.0	1.2
18	3.7	e20	6.1	3.0	26	118	e730	5.1	15	9.7	6.0	1.2
19	1.3	e8.6	4.6	2.8	17	53	134	7.1	26	7.1	4.2	1.1
20	0.99	e7.1	29	2.5	9.9	617	43	6.6	26	5.0	3.1	1.1
21	1.0	5.2	23	2.7	6.8	106	31	5.3	6.9	4.1	2.6	1.1
22	1.0	4.2	12	3.7	152	37	31	e420	2.2	3.3	2.2	2.3
23	1.2	3.1	7.2	4.7	104	24	22	294	1.3	3.5	2.0	3.3
24	1.6	2.9	211	4.0	30	16	14	55	0.86	5.5	e2.0	2.8
25	2.5	2.7	175	4.2	21	10	17	e31	0.67	5.3	e1.8	3.0
26	2.6	2.5	38	4.4	14	7.6	24	e13	0.47	3.6	e1.6	2.5
27	3.1	2.4	23	5.4	100	6.3	16	e12	0.39	2.9	1.5	1.8
28	3.9	2.3	14	4.0	106	4.8	9.1	6.2	0.56	2.6	1.3	1.4
29	9.1	2.5	8.6	3.8	---	4.5	7.1	2.9	0.95	3.2	1.3	1.2
30	21	3.7	5.6	57	---	41	5.5	1.6	0.96	3.0	3.9	1.1
31	15	---	4.3	41	---	31	---	1.5	---	2.6	1.3	---
TOTAL	154.98	604.8	936.7	196.4	919.0	2063.0	1856.7	1014.5	351.25	672.7	299.8	57.6
MEAN	5.00	20.2	30.2	6.34	32.8	66.5	61.9	32.7	11.7	21.7	9.67	1.92
MAX	38	165	211	57	152	617	730	420	110	318	46	6.3
MIN	0.81	2.3	3.7	1.6	3.7	4.5	3.4	1.5	0.39	2.6	1.3	1.1
CFSM	0.45	1.82	2.72	0.57	2.96	6.00	5.58	2.95	1.05	1.95	0.87	0.17
IN.	0.52	2.03	3.14	0.66	3.08	6.91	6.22	3.40	1.18	2.25	1.00	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	8.07	11.7	12.2	18.5	24.9	31.9	27.1	11.8	6.00
MAX	22.8	31.2	30.2	43.0	50.1	66.5	61.9	32.7	11.7
(WY)	1997	1996	2003	1998	1998	2003	2003	2003	2003
MIN	0.30	1.13	1.51	4.61	4.79	10.1	3.58	2.90	0.063
(WY)	2002	2002	2002	2001	2001	1999	2001	2001	2002

SANTEE RIVER BASIN

02167557 BUSH RIVER AT JOANNA, SC--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	3586.02		9127.43		14.2	
ANNUAL MEAN	9.82		25.0		25.0	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					5.42	
HIGHEST DAILY MEAN	211	Dec 24	730	Apr 18	730	Apr 18 2003
LOWEST DAILY MEAN	0.00	a Jun 18	0.39	Jun 27	0.00	b Aug 28 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 25	0.69	Jun 24	0.00	Aug 28 2001
MAXIMUM PEAK FLOW			Unknown		Unknown	
MAXIMUM PEAK STAGE			Apr 18		Apr 18 2003	
ANNUAL RUNOFF (CFSM)	0.89		9.49		9.49	
ANNUAL RUNOFF (INCHES)	12.02		30.59		17.37	
10 PERCENT EXCEEDS	24		47		25	
50 PERCENT EXCEEDS	2.4		6.1		5.0	
90 PERCENT EXCEEDS	0.01		1.3		0.77	

a Also occurred many days in June, July, and August.

b Also occurred many days in 2001 and 2002.

e Estimated

