

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 poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.17	0.28	0.65	0.90	2.4	1.3	49	13	0.03	0.01	e0.02	2.7
2	e0.13	0.33	0.69	0.94	0.91	23	27	18	0.10	1.8	e0.01	3.0
3	e0.12	0.39	1.5	1.2	1.4	75	21	6.6	0.03	0.17	e0.00	1.9
4	e0.08	0.40	0.27	1.6	1.7	24	13	38	0.06	0.04	e0.00	1.3
5	e0.04	e1.5	0.57	1.8	1.8	7.9	10	30	0.08	0.03	e0.00	0.93
6	e0.36	e0.20	0.66	e6.5	e8.0	4.8	8.0	12	0.10	0.02	e0.00	0.78
7	e0.83	e0.68	0.66	e11	e84	4.3	6.5	4.4	0.16	0.02	0.00	0.73
8	1.2	e0.39	0.64	2.4	e48	2.5	6.1	2.5	0.17	0.01	0.00	0.67
9	0.69	e0.18	0.59	1.6	11	2.6	8.1	1.8	0.18	0.01	0.00	0.63
10	0.41	e0.19	1.1	1.2	5.1	5.1	18	1.3	0.14	0.01	0.00	0.53
11	0.34	0.23	5.8	e1.3	4.1	5.2	16	9.0	0.17	0.02	0.00	0.39
12	0.53	0.35	2.8	e1.1	3.0	25	15	17	0.13	0.46	e0.00	0.23
13	e0.16	0.41	1.6	1.7	1.5	134	22	6.7	0.14	0.03	e0.00	0.29
14	0.25	0.33	1.8	1.8	2.0	36	16	19	0.10	0.02	0.00	5.5
15	0.28	0.33	0.52	1.5	1.9	24	11	4.5	0.06	0.01	0.83	26
16	0.44	0.49	0.76	1.3	1.9	18	7.1	1.5	0.02	0.01	0.02	42
17	0.39	0.41	1.6	1.1	1.8	14	4.2	0.92	0.01	0.00	0.00	15
18	0.75	0.48	9.5	1.2	3.3	12	10	11	0.00	0.00	0.09	4.8
19	0.19	0.68	4.8	e10	1.0	11	11	19	0.00	0.00	0.04	3.5
20	0.18	0.74	1.7	e39	1.7	10	5.2	2.8	0.00	0.00	0.05	4.0
21	0.18	0.55	0.84	8.2	4.1	56	3.4	0.88	0.00	0.00	0.77	2.9
22	0.17	0.54	0.80	6.0	2.7	30	2.7	0.39	0.09	0.03	1.1	1.9
23	e0.22	1.5	0.83	e35	1.7	20	1.7	0.18	0.03	0.00	0.27	1.3
24	e0.18	e15	0.88	e20	2.4	14	1.3	0.15	0.02	1.3	0.44	0.87
25	e0.14	4.4	0.71	e40	2.0	11	1.8	0.13	0.01	e0.00	0.73	0.82
26	e0.12	0.89	1.1	e15	4.1	11	1.8	0.09	0.01	e0.00	4.6	1.5
27	e0.10	0.57	0.54	3.8	2.1	25	2.1	0.08	0.04	e0.00	1.8	3.8
28	e0.12	0.47	0.69	2.4	1.4	14	2.6	0.07	0.01	e0.00	5.7	13
29	e0.13	0.49	0.62	2.0	---	9.6	2.6	0.05	0.00	e0.00	3.1	7.1
30	e0.13	0.61	0.71	1.6	---	21	2.0	0.06	0.00	e0.00	1.9	4.2
31	0.23	---	0.77	1.5	---	98	---	0.06	---	e0.00	1.6	---
TOTAL	9.26	34.01	46.70	224.64	207.01	749.3	306.2	221.16	1.89	4.00	23.07	152.27
MEAN	0.30	1.13	1.51	7.25	7.39	24.2	10.2	7.13	0.063	0.13	0.74	5.08
MAX	1.2	15	9.5	40	84	134	49	38	0.18	1.8	5.7	42
MIN	0.04	0.18	0.27	0.90	0.91	1.3	1.3	0.05	0.00	0.00	0.00	0.23
CFSM	0.03	0.10	0.14	0.65	0.67	2.18	0.92	0.64	0.01	0.01	0.07	0.46
IN.	0.03	0.11	0.16	0.75	0.69	2.51	1.03	0.74	0.01	0.01	0.08	0.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

MEAN	8.51	10.4	9.62	20.2	23.8	26.9	22.1	8.86	5.19	4.24	4.30	9.31
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	0.30	1.13	1.51	4.61	4.79	10.1	3.58	2.90	0.063	0.13	0.16	0.96
(WY)	2002	2002	2002	2001	2001	1999	2001	2001	2002	2002	2001	2001

## 02167557 BUSH RIVER AT JOANNA, SC--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1995 - 2002
ANNUAL TOTAL	1778.74	1979.51	12.6
ANNUAL MEAN	4.87	5.42	23.8
HIGHEST ANNUAL MEAN			1998
LOWEST ANNUAL MEAN			5.42
HIGHEST DAILY MEAN	231 Mar 21	134 Mar 13	2002
LOWEST DAILY MEAN	0.00 a Aug 28	0.00 b Jun 18	0.00 a Aug 28 2001
ANNUAL SEVEN-DAY MINIMUM	0.00 Aug 28	0.00 Jul 25	0.00 Aug 28 2001
MAXIMUM PEAK FLOW		231 Mar 13	1160 Feb 2 1996
MAXIMUM PEAK STAGE		5.72 Mar 13	8.09 Feb 2 1996
ANNUAL RUNOFF (CFSM)	0.44	0.49	1.14
ANNUAL RUNOFF (INCHES)	5.96	6.63	15.48
10 PERCENT EXCEEDS	5.4	15	22
50 PERCENT EXCEEDS	1.5	0.92	4.8
90 PERCENT EXCEEDS	0.13	0.01	0.64

a Also occurred many days in 2001 and 2002.

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

e Estimated

