

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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	4.2	3.3	2.6	106	7.9	19	76	2.5	6.0	1.7	1.4
2	3.8	4.5	2.9	4.2	97	7.0	12	25	2.4	6.6	1.4	1.5
3	3.1	6.9	3.1	67	28	9.8	9.4	13	2.4	5.0	1.7	1.5
4	2.9	8.0	3.5	15	16	15	11	9.2	2.5	3.5	1.0	1.4
5	2.8	6.9	3.3	7.7	11	8.4	13	7.8	2.5	3.0	1.0	1.3
6	2.9	6.0	3.6	6.3	8.2	7.9	13	16	2.3	4.4	.88	1.4
7	3.1	5.3	3.5	4.5	7.6	7.4	14	23	2.2	33	.91	1.3
8	8.1	5.0	3.9	4.1	6.5	6.4	17	9.6	2.1	11	1.2	1.5
9	5.3	4.7	3.8	4.1	6.4	11	18	6.1	2.8	6.4	1.5	1.6
10	3.3	6.2	3.7	3.6	5.4	15	17	5.1	2.8	4.6	1.0	1.6
11	2.8	7.6	3.6	3.2	5.1	9.1	13	4.5	4.1	4.6	.90	1.6
12	2.6	8.3	3.6	3.1	4.8	7.1	12	4.1	2.7	11	.72	1.5
13	2.5	8.7	5.0	3.3	4.5	6.4	12	4.7	2.3	65	.86	1.4
14	2.5	9.4	6.0	4.1	4.2	30	12	4.8	4.5	18	.63	1.4
15	2.5	16	4.5	7.9	4.0	28	19	4.9	2.9	5.8	.63	1.8
16	2.3	14	17	5.8	4.0	15	23	4.7	4.1	4.3	.69	e2.3
17	1.9	28	6.8	5.9	4.1	12	20	4.5	8.8	4.0	.68	e1.9
18	2.2	8.3	3.5	27	25	8.1	19	3.9	7.0	3.6	.63	1.8
19	2.1	4.5	2.8	11	36	7.0	17	3.9	4.4	2.9	.61	1.7
20	2.5	3.9	2.6	6.6	39	6.8	18	3.5	3.4	2.4	1.0	1.8
21	2.8	3.3	2.7	5.1	19	9.8	17	3.2	3.1	2.4	.98	2.2
22	3.1	2.9	2.8	4.7	13	10	16	3.1	3.9	2.1	1.2	2.7
23	2.8	3.7	3.8	12	10	7.3	14	3.4	2.7	2.1	1.5	2.8
24	2.7	3.3	18	64	9.6	6.5	14	3.5	2.6	2.1	2.0	2.5
25	2.9	2.9	28	22	11	7.1	19	3.3	4.9	2.9	3.0	2.4
26	3.5	3.2	8.0	10	8.4	9.0	18	3.5	16	3.0	23	2.4
27	3.8	2.8	4.1	7.2	7.8	8.4	19	3.3	18	2.2	3.5	3.3
28	3.6	2.9	3.4	6.6	7.8	7.2	30	3.2	18	3.3	1.7	4.1
29	4.0	3.2	4.8	5.6	--	6.8	30	3.1	8.8	3.7	1.3	4.6
30	4.0	4.3	4.4	5.3	--	7.2	127	3.0	5.8	2.6	1.4	4.2
31	4.1	--	3.0	6.8	--	8.9	--	2.8	--	2.0	1.5	--
TOTAL	100.7	198.9	173.0	346.3	509.4	313.5	612.4	269.7	152.5	233.5	60.72	62.9
MEAN	3.25	6.63	5.58	11.2	18.2	10.1	20.4	8.70	5.08	7.53	1.96	2.10
MAX	8.1	28	28	67	106	30	127	76	18	65	23	4.6
MIN	1.9	2.8	2.6	2.6	4.0	6.4	9.4	2.8	2.1	2.0	.61	1.3
CFSM	.29	.60	.50	1.01	1.64	.91	1.84	.78	.46	.68	.18	.19
IN.	.34	.67	.58	1.16	1.71	1.05	2.05	.90	.51	.78	.20	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1999, BY WATER YEAR (WY)

MEAN	13.3	15.4	14.9	26.3	34.9	29.4	31.6	12.0	7.17	5.87	6.46	7.89
MAX	22.8	31.2	28.0	43.0	50.1	44.7	60.1	14.2	9.73	9.09	12.6	13.3
(WY)	1997	1996	1998	1998	1998	1998	1998	1998	1996	1997	1995	1996
MIN	3.25	6.63	5.58	11.2	18.2	10.1	20.4	8.70	5.08	3.60	1.96	2.10
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1995	1999	1999

SUMMARY STATISTICS

02167557 BUSH RIVER AT JOANNA, SC--Continued
FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR

WATER YEARS 1995 - 1999

ANNUAL TOTAL	7622.4	3033.52					
ANNUAL MEAN	20.9	8.31	16.9				
HIGHEST ANNUAL MEAN			23.8	1998			
LOWEST ANNUAL MEAN			8.31	1999			
HIGHEST DAILY MEAN	424	Mar 9	127	Apr 30	424	Mar 9	1998
LOWEST DAILY MEAN	1.9	* Aug 28	.61	Aug 19	.61	Aug 19	1999
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 24	.68	Aug 13	.68	Aug 13	1999
INSTANTANEOUS PEAK FLOW			245	Feb 1	1160	Feb 2	1996
INSTANTANEOUS PEAK STAGE			5.86	Feb 1	8.09	Feb 2	1996
ANNUAL RUNOFF (CFSM)	1.88		.75		1.52		
ANNUAL RUNOFF (INCHES)	25.55		10.17		20.68		
10 PERCENT EXCEEDS	33		18		27		
50 PERCENT EXCEEDS	5.4		4.2		7.7		
90 PERCENT EXCEEDS	2.8		1.6		2.9		

* Also occurred Aug. 29, 30.

e Estimated

