

02162093 SMITH BRANCH AT NORTH MAIN STREET AT COLUMBIA, SC

LOCATION.--Lat 34°01'38'', long 81°02'31'', Richland County, Hydrologic Unit 03050106, on left bank, 15 ft upstream from culvert opening at North Main Street in Columbia.

DRAINAGE AREA.--5.67 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 199.10 ft above NGVD of 1929.

REMARKS.--No estimated daily discharges. Records fair.

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	2.1	2.1	4.8	4.2	4.3	23	5.0	3.8	3.5	9.2	3.8	2.0
2	2.1	1.9	5.0	3.8	3.9	24	4.9	5.5	3.5	59	12	6.6
3	1.8	1.9	4.5	3.7	3.8	6.5	4.7	4.9	19	4.1	5.2	3.2
4	1.7	3.1	6.6	3.4	7.8	5.5	4.5	3.6	3.8	4.1	3.0	32
5	1.7	5.2	18	3.4	3.6	6.1	7.0	3.7	3.0	3.0	3.0	3.9
6	1.6	8.7	2.8	3.3	15	125	8.0	77	39	2.8	21	4.1
7	1.7	3.0	2.6	3.2	14	55	35	10	10	2.6	4.5	70
8	18	2.6	2.6	3.3	4.0	13	29	6.2	5.9	2.4	27	53
9	7.3	2.5	2.8	3.2	3.7	9.9	100	5.4	3.8	2.3	3.4	5.3
10	29	2.4	2.6	3.2	23	8.8	81	4.6	3.2	25	2.9	3.1
11	19	40	19	3.0	4.4	6.7	21	4.1	11	11	3.0	2.5
12	2.7	51	2.9	3.0	3.8	6.0	11	4.0	18	2.4	2.7	2.5
13	2.2	5.6	89	3.0	3.5	34	7.9	3.8	4.0	11	2.6	3.2
14	2.5	3.7	7.8	3.2	3.4	7.6	6.8	3.8	4.9	7.5	21	3.5
15	12	3.2	5.4	3.1	3.3	106	6.2	5.0	2.9	2.3	8.6	3.3
16	47	36	4.6	5.8	98	24	5.7	66	6.5	2.1	2.6	3.1
17	3.3	19	4.2	4.0	26	60	5.4	7.6	47	2.1	2.5	1.9
18	2.5	5.9	4.0	2.7	7.5	25	21	5.4	81	40	2.8	1.9
19	2.2	4.3	4.4	2.7	5.7	16	8.2	5.7	12	24	2.2	1.9
20	2.1	3.8	29	2.7	5.0	174	5.6	4.2	5.4	3.7	2.1	1.8
21	2.2	4.1	4.4	5.0	4.6	19	22	3.9	4.0	2.6	2.1	1.9
22	2.0	3.7	3.9	4.9	29	12	11	49	3.4	46	2.1	6.3
23	1.9	3.8	3.7	5.3	6.3	9.0	5.3	41	3.0	34	2.0	13
24	2.3	4.6	112	2.8	4.6	7.7	4.7	7.1	2.8	6.0	2.0	2.3
25	4.8	4.0	11	3.7	4.2	6.9	42	5.6	2.8	3.8	2.0	2.0
26	2.8	3.6	6.2	4.2	8.2	6.4	7.0	79	2.5	3.3	2.0	2.3
27	2.0	3.4	5.2	3.0	28	6.0	5.2	11	2.5	13	2.0	2.2
28	11	3.5	4.6	2.8	6.1	5.7	4.6	6.6	8.5	3.4	2.1	2.2
29	24	4.0	4.2	4.6	---	5.6	4.3	5.2	2.4	3.0	1.9	2.2
30	3.1	4.7	4.0	48	---	16	4.0	4.4	3.0	2.8	1.8	2.3
31	2.3	---	3.9	6.0	---	6.9	---	3.9	---	19	1.9	---
TOTAL	220.9	245.3	385.7	158.2	334.7	837.3	488.0	451.0	322.3	357.5	157.8	245.5
MEAN	7.13	8.18	12.4	5.10	12.0	27.0	16.3	14.5	10.7	11.5	5.09	8.18
MAX	47	51	112	48	98	174	100	79	81	59	27	70
MIN	1.6	1.9	2.6	2.7	3.3	5.5	4.0	3.6	2.4	2.1	1.8	1.8
CFSM	1.26	1.44	2.19	0.90	2.11	4.76	2.87	2.57	1.89	2.03	0.90	1.44
IN.	1.45	1.61	2.53	1.04	2.20	5.49	3.20	2.96	2.11	2.35	1.04	1.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)

	6.90	6.86	8.33	12.3	11.5	13.8	9.38	7.33	9.13	9.86	8.94	8.26
MEAN	6.90	6.86	8.33	12.3	11.5	13.8	9.38	7.33	9.13	9.86	8.94	8.26
MAX	25.7	16.0	25.5	27.6	24.4	29.9	28.0	21.0	34.3	31.3	24.5	19.7
(WY)	1991	1987	1977	1987	1998	1980	1998	1991	1995	1991	1986	2000
MIN	1.45	2.09	2.62	2.79	3.64	3.58	1.94	3.26	2.11	3.17	1.46	1.31
(WY)	2002	2002	1989	1986	1986	1985	1986	1977	1990	1993	1983	1985

SANTEE RIVER BASIN

02162093 SMITH BRANCH AT NORTH MAIN STREET AT COLUMBIA, SC--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1977 - 2003	
ANNUAL TOTAL	2619.5		4204.2			
ANNUAL MEAN	7.18		11.5		9.38	
HIGHEST ANNUAL MEAN					14.8	1991
LOWEST ANNUAL MEAN					5.42	2002
HIGHEST DAILY MEAN	179	May 11	174	Mar 20	335	Jun 11 1995
LOWEST DAILY MEAN	1.0	Jul 29	1.6	Oct 6	0.74	Oct 15 2001
ANNUAL SEVEN-DAY MINIMUM	1.3	Jul 6	1.8	Oct 1	0.83	Oct 15 2001
MAXIMUM PEAK FLOW			1040	May 26	2120	Jun 11 1995
MAXIMUM PEAK STAGE			6.92	May 26	11.69	Jun 11 1995
ANNUAL RUNOFF (CFSM)	1.27		2.03		1.65	
ANNUAL RUNOFF (INCHES)	17.19		27.58		22.47	
10 PERCENT EXCEEDS	18		29		19	
50 PERCENT EXCEEDS	2.1		4.3		3.7	
90 PERCENT EXCEEDS	1.3		2.2		1.7	

