

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 mi².

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	2.5	3.0	1.9	2.9	9.7	15	3.7	20	12	13	2.1
2	3.3	2.7	2.3	1.9	2.5	5.6	7.1	3.5	19	3.0	6.4	2.1
3	4.2	2.8	2.2	2.0	20	4.7	5.5	3.6	29	5.7	4.7	2.0
4	3.0	7.4	2.1	2.1	19	4.1	5.0	3.5	4.6	3.0	4.4	2.0
5	2.8	2.4	2.1	2.2	4.1	3.9	4.9	3.4	3.3	2.4	3.9	1.9
6	2.8	2.1	3.9	2.1	3.4	3.8	4.7	3.5	2.9	2.2	3.7	1.9
7	2.7	2.3	2.0	2.1	3.2	4.2	16	3.3	50	2.1	3.3	1.9
8	2.6	2.3	2.1	2.3	3.1	24	36	3.1	6.6	2.3	8.3	1.9
9	2.6	2.3	2.3	2.1	2.9	6.9	9.6	3.2	11	2.3	3.8	2.0
10	2.6	2.7	13	2.1	19	3.8	5.9	11	4.2	2.8	11	1.9
11	2.5	2.6	2.1	2.1	3.6	3.4	5.4	4.0	3.1	2.8	3.2	2.1
12	2.6	19	2.0	2.3	3.1	3.5	17	3.5	2.8	2.3	2.8	2.2
13	2.6	2.6	2.1	2.3	2.9	3.4	15	3.6	5.2	13	17	2.0
14	2.5	2.1	2.3	64	2.8	3.4	5.7	3.3	2.7	29	24	2.0
15	4.2	2.1	2.0	7.8	9.2	3.2	5.0	3.3	2.6	33	3.4	2.1
16	2.3	2.1	2.2	2.9	3.0	13	4.7	3.6	2.6	16	2.6	2.2
17	2.4	2.1	2.3	2.5	2.8	27	4.6	3.4	2.5	17	6.0	2.2
18	2.8	2.1	2.3	2.3	2.7	5.4	4.5	4.2	2.3	19	3.1	2.2
19	2.6	2.1	2.3	2.2	2.6	4.3	4.4	11	2.3	83	2.4	2.4
20	2.5	2.2	2.3	2.3	2.5	3.9	4.1	68	2.3	26	2.3	2.5
21	2.5	2.7	2.3	2.2	3.9	3.8	4.1	4.8	2.4	5.3	8.1	2.8
22	2.5	3.0	2.5	2.1	26	3.9	10	2.9	2.3	26	9.1	2.3
23	2.4	22	5.1	2.1	4.2	29	12	2.7	2.3	5.2	2.9	2.4
24	7.3	6.0	1.9	2.1	29	7.4	3.9	2.5	2.3	3.1	2.3	2.1
25	2.2	3.1	1.9	2.1	14	4.5	3.7	2.4	2.4	2.7	2.2	2.2
26	2.1	2.7	16	2.2	4.9	4.1	3.8	2.4	14	2.6	2.1	2.4
27	2.2	14	2.4	2.3	4.0	33	3.9	2.4	2.3	2.5	2.1	2.2
28	2.3	4.7	2.0	2.1	46	86	3.6	2.4	27	17	2.1	2.1
29	2.3	2.4	2.0	2.1	---	17	3.6	2.3	4.6	3.4	2.1	2.2
30	2.3	2.6	1.9	22	---	7.6	10	19	2.5	147	13	2.2
31	2.3	---	1.9	3.8	---	14	---	2.9	---	81	2.3	---
TOTAL	87.7	131.7	96.8	156.6	247.3	351.5	238.7	196.4	241.1	574.7	177.6	64.5
MEAN	2.83	4.39	3.12	5.05	8.83	11.3	7.96	6.34	8.04	18.5	5.73	2.15
MAX	7.3	22	16	64	46	86	36	68	50	147	24	2.8
MIN	2.1	2.1	1.9	1.9	2.5	3.2	3.6	2.3	2.3	2.1	2.1	1.9
CFSM	0.50	0.77	0.55	0.89	1.56	2.00	1.40	1.12	1.42	3.27	1.01	0.38
IN.	0.58	0.86	0.64	1.03	1.62	2.31	1.57	1.29	1.58	3.77	1.17	0.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

MEAN	6.79	6.67	8.06	11.7	11.6	13.4	9.12	7.22	9.71	10.0	8.88	8.45
MAX	25.7	16.0	25.5	27.6	24.4	29.9	28.0	21.0	34.3	31.3	24.5	19.8
(WY)	1991	1987	1977	1987	1998	1980	1998	1991	1995	1991	1986	2004
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977 - 2005	
ANNUAL TOTAL	3167.7		2564.6		9.29	
ANNUAL MEAN	8.65		7.03		14.8	
HIGHEST ANNUAL MEAN					5.42	
LOWEST ANNUAL MEAN					1991	
HIGHEST DAILY MEAN	266	Sep 7	147	Jul 30	335	Jun 11 1995
LOWEST DAILY MEAN	1.2	Jun 11	1.9 a	Dec 24	0.74	Oct 15 2001
ANNUAL SEVEN-DAY MINIMUM	1.8	May 16	1.9	Sep 4	0.83	Oct 15 2001
MAXIMUM PEAK FLOW			1650	Jul 30	2180	Jun 27 2004
MAXIMUM PEAK STAGE			9.73	Jul 30	11.91	Jun 27 2004
ANNUAL RUNOFF (CFSM)	1.53		1.24		1.64	
ANNUAL RUNOFF (INCHES)	20.78		16.83		22.27	
10 PERCENT EXCEEDS	15		17		19	
50 PERCENT EXCEEDS	2.6		2.9		3.6	
90 PERCENT EXCEEDS	1.9		2.1		1.7	

a Also occurred Dec. 25, 30, 31, several days in September.

