

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 sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	1.7	2.7	2.3	2.6	3.7	5.3	3.2	30	1.7	1.6	16
2	3.0	1.6	2.7	2.3	3.0	3.7	6.7	6.8	3.2	5.4	1.6	22
3	2.7	1.5	2.8	2.3	3.4	38	4.8	4.5	16	26	1.5	2.0
4	2.8	1.5	2.8	2.5	4.5	50	4.3	3.2	2.7	30	1.9	3.9
5	2.7	1.5	2.8	2.8	2.7	6.3	4.3	2.4	2.3	4.8	1.6	1.6
6	2.6	1.1	2.9	2.8	2.6	5.0	4.3	4.0	2.2	2.1	1.6	1.5
7	2.6	1.2	3.0	3.3	2.7	4.6	4.0	3.5	2.2	1.7	1.5	1.5
8	2.6	1.1	3.4	18	2.8	4.3	3.9	2.3	1.8	1.7	1.6	1.4
9	2.6	1.5	3.5	2.8	2.7	4.2	3.6	2.3	1.8	1.7	1.6	1.9
10	2.7	1.9	3.9	2.4	3.4	3.7	3.6	59	1.9	1.7	46	1.3
11	2.6	1.8	3.5	2.3	2.6	3.7	3.4	3.7	1.8	1.7	49	1.3
12	2.6	1.8	3.3	18	22	4.5	5.3	2.3	18	1.7	2.0	1.2
13	2.8	1.9	3.5	3.2	3.7	3.4	3.3	30	2.2	2.4	14	1.2
14	2.6	16	3.4	2.8	3.1	78	6.1	3.2	33	1.6	4.3	1.2
15	2.6	2.2	3.3	2.6	3.2	7.0	3.1	16	3.2	1.5	2.1	1.1
16	2.4	2.0	4.2	2.6	3.1	5.3	2.8	2.7	3.5	1.5	3.0	1.1
17	2.4	5.8	31	2.6	23	4.6	2.9	2.3	2.0	1.5	2.4	1.1
18	2.3	2.4	2.8	2.6	3.3	4.3	2.9	2.2	1.8	1.6	4.9	1.1
19	2.3	49	2.5	22	3.1	66	2.8	2.2	1.8	3.8	1.6	1.2
20	2.4	3.2	2.3	35	3.1	11	2.8	4.7	1.9	49	1.7	4.0
21	2.3	2.3	2.3	4.1	3.8	6.4	2.8	6.8	1.8	2.2	1.4	1.2
22	2.3	2.4	2.3	3.5	46	5.4	2.8	4.5	18	1.7	1.4	.98
23	2.3	2.6	2.2	3.4	5.3	4.9	2.9	3.2	2.2	1.9	1.3	1.0
24	2.1	2.6	2.4	3.2	4.4	6.7	11	2.4	33	2.0	1.4	12
25	2.2	79	2.6	3.0	4.3	4.3	2.8	4.0	3.2	14	1.3	1.1
26	2.1	4.7	3.0	2.9	4.0	3.9	2.7	3.5	3.5	9.8	1.3	.98
27	2.1	3.2	4.8	2.9	3.9	3.7	2.6	2.3	2.0	24	1.4	1.0
28	2.1	2.9	6.6	2.8	3.8	64	2.6	2.3	10	3.2	1.6	1.0
29	1.8	2.7	2.4	2.8	--	15	2.7	59	2.2	2.1	1.4	.99
30	1.9	2.6	2.4	4.5	--	6.8	2.7	3.7	1.7	2.6	17	1.1
31	1.7	--	2.2	2.6	--	5.9	--	2.3	--	1.7	20	--
TOTAL	75.2	205.7	123.5	170.9	176.1	438.3	115.8	254.5	210.9	208.3	195.0	88.95
MEAN	2.43	6.86	3.98	5.51	6.29	14.1	3.86	8.21	7.03	6.72	6.29	2.96
MAX	3.0	79	31	35	46	78	11	59	33	49	49	22
MIN	1.7	1.1	2.2	2.3	2.6	3.4	2.6	2.2	1.7	1.5	1.3	.98
CFSM	.43	1.21	.70	.97	1.11	2.49	.68	1.45	1.24	1.19	1.11	.52
IN.	.49	1.35	.81	1.12	1.16	2.88	.76	1.67	1.38	1.37	1.28	.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2001, BY WATER YEAR (WY)

MEAN	7.11	7.00	8.37	12.9	11.8	13.6	9.32	6.81	9.31	9.93	9.19	8.20
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	1.80	2.29	2.62	2.79	3.64	3.58	1.94	3.26	2.11	3.17	1.46	1.31
(WY)	1979	1985	1989	1986	1986	1985	1986	1977	1990	1993	1983	1985

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1977 - 2001
ANNUAL TOTAL	3013.2	2263.15	9.45
ANNUAL MEAN	8.23	6.20	14.8 5.95
HIGHEST ANNUAL MEAN			1991
LOWEST ANNUAL MEAN			1985
HIGHEST DAILY MEAN	172 Sep 2	79 Nov 25	335 Jun 11 1995
LOWEST DAILY MEAN	1.1 a Jul 9	.98 b Sep 22	.82 Jun 18 1986
ANNUAL SEVEN-DAY MINIMUM	1.3 Jul 14	1.1 Sep 12	.92 Jun 17 1986
MAXIMUM PEAK FLOW		1200 Aug 10	2120 Jun 11 1995
MAXIMUM PEAK STAGE		7.69 Aug 10	11.69 Jun 11 1995
ANNUAL RUNOFF (CFSM)	1.45	1.09	1.67
ANNUAL RUNOFF (INCHES)	19.77	14.85	22.65
10 PERCENT EXCEEDS	16	15	19
50 PERCENT EXCEEDS	2.7	2.8	3.7
90 PERCENT EXCEEDS	1.6	1.5	1.7

a Also occurred Jul. 15, 16.

b Also occurred Sep. 26.

