

SANTEE RIVER BASIN

02146670 FOUR MILE CREEK NEAR PINEVILLE, NC

LOCATION.--Lat 35°04'37", long 80°49'21", North American Datum of 1983, Mecklenburg County, Hydrologic Unit 03050103, on left bank on downstream side of bridge at Elm Lane W. (Secondary Road 3649), 0.5 mi south of State Highway 51, 1.25 mi upstream of McAlpine Creek, and 4.5 mi east of U.S. Highway 521 at Pineville.

DRAINAGE AREA.--17.8 mi<sup>2</sup>.

PERIOD OF RECORD.-- July 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage is 528.69 ft above North American Vertical Datum of 1988 (City of Charlotte bench mark). Radio telemetry at station.

REMARKS.--Records poor. Maximum discharge for period of record and current water year from rating curve extended above 885 ft<sup>3</sup>/s.

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	1.9	1.7	1.7	e1.6	9.9	4.0	105	1.3	2.0	e0.60	0.24	33
2	2.0	5.0	1.3	e1.6	7.3	109	27	1.2	0.70	e1.0	0.32	e5.0
3	1.0	5.9	1.0	e3.0	7.3	110	18	2.7	0.44	e0.60	1.6	e3.0
4	0.86	1.6	0.92	6.5	8.0	32	15	55	0.28	26	0.49	e1.6
5	1.4	1.1	0.89	4.6	7.8	16	12	16	0.21	11	e0.30	e1.2
6	33	1.2	0.90	87	9.4	12	13	3.5	8.0	1.2	e0.20	e0.80
7	18	1.2	0.94	31	96	9.9	15	1.3	24	0.64	e0.10	e0.70
8	3.7	1.1	0.98	8.7	65	8.0	11	0.74	2.5	0.56	e0.09	e0.70
9	1.8	1.0	0.97	e3.6	21	7.6	5.7	0.69	e2.0	0.43	e0.09	e0.50
10	2.7	1.2	40	e3.6	19	7.2	11	0.53	e1.6	0.26	e0.08	e0.70
11	2.9	1.0	78	e3.4	15	6.0	6.3	1.6	e1.4	0.25	e0.06	e0.50
12	1.1	0.96	e5.0	e3.0	11	18	5.0	1.4	e1.2	0.08	e0.05	e0.50
13	1.1	0.95	e4.0	e7.0	10	30	6.4	48	e1.2	e1.0	e0.03	e0.50
14	19	0.97	e3.0	e3.0	8.9	14	4.3	35	e1.0	105	e0.01	0.54
15	23	1.1	e2.6	e2.6	8.4	9.3	3.1	8.9	e1.0	16	e0.40	52
16	6.1	1.1	e2.4	e2.2	7.4	7.8	2.3	11	e0.98	1.2	3.1	59
17	1.7	0.99	3.7	e2.0	7.4	46	1.8	6.2	e0.96	0.38	32	0.94
18	1.3	0.90	39	e1.8	6.4	24	1.4	34	e0.90	0.30	e10	0.71
19	1.1	0.91	14	e200	6.0	13	1.2	15	e2.0	0.22	e4.0	0.77
20	1.3	0.95	7.0	84	6.5	13	1.3	5.6	e1.0	0.17	e3.6	0.79
21	1.1	1.1	2.6	17	7.4	78	1.3	3.2	e0.90	0.19	e1.0	0.74
22	1.1	1.2	1.2	5.3	6.4	23	0.92	2.9	e0.80	0.21	e0.60	0.83
23	1.2	1.1	0.95	162	6.0	12	0.57	4.1	e1.0	0.15	e0.40	0.82
24	1.0	24	2.6	28	5.4	9.4	0.50	2.8	e0.80	0.18	e0.30	0.86
25	5.2	10	2.7	110	5.3	7.9	0.66	e2.4	e0.70	0.85	e4.0	0.86
26	6.5	3.2	e1.8	16	5.2	11	0.62	e2.2	e10	2.4	e3.0	4.2
27	1.9	1.5	e1.6	9.9	4.7	16	0.48	e2.2	e2.0	1.8	e4.0	4.7
28	1.00	1.2	e1.4	7.4	4.3	7.6	0.47	e2.0	e1.0	0.45	11	4.5
29	1.2	1.3	e1.6	4.8	---	6.8	0.50	e2.0	e0.70	0.31	0.63	1.3
30	1.1	1.3	e1.4	4.9	---	11	0.45	19	e0.60	0.27	0.15	1.1
31	1.5	---	e1.6	2.4	---	44	---	20	---	0.28	357	---
TOTAL	147.76	76.73	227.75	827.9	382.4	723.5	272.27	312.46	71.87	173.98	438.84	183.36
MEAN	4.766	2.558	7.347	26.71	13.66	23.34	9.076	10.08	2.396	5.612	14.16	6.112
MAX	33	24	78	200	96	110	105	55	24	105	357	59
MIN	0.86	0.90	0.89	1.6	4.3	4.0	0.45	0.53	0.21	0.08	0.01	0.50
CFSM	0.27	0.14	0.41	1.50	0.77	1.31	0.51	0.57	0.13	0.32	0.80	0.34
IN.	0.31	0.16	0.48	1.73	0.80	1.51	0.57	0.65	0.15	0.36	0.92	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001	2002
MEAN	10.76	10.10	13.69	33.90	25.87	26.95
MAX	23.6	24.4	31.6	56.2	46.1	41.9
(WY)	1998	1998	1998	1998	1998	1998
MIN	0.98	2.56	5.94	13.7	12.9	10.8
(WY)	2001	2002	2000	2001	2001	1999

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1997 - 2002

ANNUAL TOTAL	3774.03	3838.82	
ANNUAL MEAN	10.34	10.52	16.52
HIGHEST ANNUAL MEAN			31.4
LOWEST ANNUAL MEAN			10.5
HIGHEST DAILY MEAN	229	Mar 29	602
LOWEST DAILY MEAN	0.13	Jul 18	0.01
ANNUAL SEVEN-DAY MINIMUM	0.19	Aug 5	0.06
MAXIMUM PEAK FLOW			896*
MAXIMUM PEAK STAGE			10.17
INSTANTANEOUS LOW FLOW			NOT DETERMINED
ANNUAL RUNOFF (CFSM)	0.58		0.59
ANNUAL RUNOFF (INCHES)	7.89		8.02
10 PERCENT EXCEEDS	24		23
50 PERCENT EXCEEDS	2.6		2.0
90 PERCENT EXCEEDS	0.37		0.46

e Estimated.  
\* See REMARKS.

02146670 FOUR MILE CREEK NEAR PINEVILLE, NC--Continued

