

SANTEE RIVER BASIN

02146900 TWELVE MILE CREEK NEAR WAXHAW, NC

LOCATION.--Lat 34°57'08", long 80°45'21", Union County, Hydrologic Unit 03050103, on left bank at downstream side of bridge on State Highway 16, 680 ft downstream of West Fork Twelve Mile Creek, and 2.5 mi north of Waxhaw.

DRAINAGE AREA.--76.5 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1949-60. October 1960 to current year.

REVISED RECORDS.--WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 489.04 ft above sea level. Prior to Mar. 13, 1962, water-stage recorder at site 20 ft upstream, Mar. 13, 1962 to June 4, 1997, water-stage recorder at site 100 ft upstream at same datum. Satellite telemetry at station.

REMARKS.--Records poor. No flow also occurred Oct. 6, 1968, Oct. 7-15, 1970, Oct. 1-22, 1983 and Aug. 26, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1900 is 23.6 ft, Sept. 7, 1949, from floodmarks. No flow observed on Oct. 6, 1954.

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	3.5	.40	6.0	5.5	19	19	37	5.4	11	1.2	.52	.02
2	2.7	.36	6.0	5.4	19	18	27	5.3	23	.97	.29	.01
3	2.2	.42	6.3	5.2	18	18	22	5.0	7.9	1.4	.22	e.20
4	1.9	.52	6.8	5.2	17	111	23	4.6	5.3	12	.18	32
5	1.5	.61	6.4	5.2	17	69	19	4.4	4.0	20	.12	16
6	1.3	.70	6.6	5.4	17	36	16	4.2	3.2	7.8	.07	4.2
7	1.3	.76	7.0	5.3	17	26	14	3.9	2.8	3.4	.08	1.6
8	1.3	.80	7.0	5.7	17	22	13	3.8	2.5	1.9	.07	.76
9	1.2	1.2	7.1	6.6	17	20	12	4.2	2.4	1.2	.17	.53
10	1.2	1.5	7.1	6.6	17	19	11	4.1	2.4	.98	.19	e.17
11	1.4	1.4	7.3	6.0	18	18	9.9	4.0	2.3	.82	2.0	e.14
12	1.4	1.2	7.9	8.3	18	18	9.3	3.9	2.1	.68	3.8	e.11
13	1.4	1.2	8.3	22	23	22	9.1	3.8	2.3	4.0	.71	e.08
14	1.4	1.5	9.3	11	e22	23	8.6	3.6	11	9.8	.25	e.06
15	1.4	1.7	9.6	7.8	e22	204	8.2	3.2	6.4	3.5	.21	.05
16	1.4	1.6	24	6.6	21	141	8.2	2.9	4.0	1.4	.22	.04
17	1.3	1.6	69	5.6	140	57	7.8	3.1	12	.82	.14	.03
18	1.2	1.6	21	5.1	70	37	8.2	3.2	5.7	.59	.12	.02
19	1.3	1.6	9.3	5.2	32	29	7.8	3.1	3.4	.48	.14	.01
20	1.2	5.3	7.6	144	25	101	7.6	2.9	2.2	.35	.20	.23
21	1.2	3.4	6.5	49	23	711	7.5	2.7	1.7	.28	.17	6.7
22	1.0	1.6	6.0	19	30	137	7.2	3.3	1.6	.24	.10	4.3
23	1.0	.89	5.6	17	50	64	7.0	3.8	4.5	.49	.06	.98
24	.94	.70	5.4	19	28	e40	7.0	3.6	4.7	.48	.06	58
25	.92	6.2	5.1	21	24	e32	28	3.2	2.5	6.0	.03	33
26	.88	23	4.9	19	25	e28	22	6.2	2.4	6.5	.00	5.7
27	.77	10	5.1	19	23	25	10	6.6	6.6	3.2	.04	2.8
28	.69	6.9	6.2	18	21	23	8.2	7.9	4.2	1.3	.07	1.2
29	.62	5.9	6.3	18	---	255	6.9	10	2.4	.83	.06	1.0
30	.49	5.7	6.0	19	---	564	5.8	7.1	1.4	.60	.07	1.3
31	.43	---	5.7	19	---	71	---	4.9	---	.62	.04	---
TOTAL	40.44	90.26	302.4	514.7	790	2958	388.3	137.9	147.9	93.83	10.40	171.24
MEAN	1.30	3.01	9.75	16.6	28.2	95.4	12.9	4.45	4.93	3.03	.34	5.71
MAX	3.5	23	69	144	140	711	37	10	23	20	3.8	58
MIN	.43	.36	4.9	5.1	17	18	5.8	2.7	1.4	.24	.00	.01
CFSM	.02	.04	.13	.22	.37	1.25	.17	.06	.06	.04	.00	.07
IN.	.02	.04	.15	.25	.38	1.44	.19	.07	.07	.05	.01	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
MEAN	50.7	35.9	63.4	133	159
MAX	372	161	261	331	351
(WY)	1991	1986	1984	1978	1990
MIN	.39	2.18	5.21	11.5	22.7
(WY)	1984	1962	2000	1981	1986

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1961 - 2001

ANNUAL TOTAL	11030.50	5645.37	
ANNUAL MEAN	30.1	15.5	72.7
HIGHEST ANNUAL MEAN			150
LOWEST ANNUAL MEAN			15.5
HIGHEST DAILY MEAN	890	Feb 14	711
LOWEST DAILY MEAN	.36	Nov 2	.00
ANNUAL SEVEN-DAY MINIMUM	.46	Oct 30	.04
MAXIMUM PEAK FLOW			1290
MAXIMUM PEAK STAGE			10.33
INSTANTANEOUS LOW FLOW			.00*
ANNUAL RUNOFF (CFSM)	.39		.20
ANNUAL RUNOFF (INCHES)	5.36		2.75
10 PERCENT EXCEEDS	60		25
50 PERCENT EXCEEDS	7.0		5.1
90 PERCENT EXCEEDS	1.4		.22

e Estimated.
* See REMARKS.

02146900 TWELVE MILE CREEK NEAR WAXHAW, NC--Continued

