

SANTEE RIVER BASIN

02142900 LONG CREEK NEAR PAW CREEK, NC

LOCATION.--Lat 35°19'42", long 80°54'35", Mecklenburg County, Hydrologic Unit 03050101, on right bank at upstream side of bridge on Secondary Road 2042, 600 ft downstream of McIntyre Creek, 1.2 mi upstream from Gutter Branch, and 3.6 mi north of Paw Creek.

DRAINAGE AREA.--16.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1965 to current year.

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 647.69 ft (revised) above sea level, North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records poor. Frequent diversions during summer months for irrigation by upstream golf course. Minimum discharge for current water year and period of record affected by regulation.

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	2.2	1.0	1.9	e1.8	3.0	4.1	20	2.7	24	2.4	e.70	.09
2	2.0	.99	1.9	e1.8	2.8	3.6	14	2.7	10	2.8	e.60	.11
3	1.9	.98	1.9	e2.2	2.7	9.0	16	2.5	3.3	3.0	e.70	53
4	2.1	1.1	1.7	e2.5	2.8	55	12	2.4	2.8	7.8	2.7	67
5	1.6	1.3	1.6	e2.1	2.8	17	9.9	2.3	2.5	16	1.1	8.2
6	1.7	1.2	1.6	e2.2	2.7	8.7	8.9	2.3	2.2	2.5	e.80	2.3
7	1.6	1.0	1.6	e2.3	2.6	6.1	7.6	2.2	2.0	1.9	e.90	1.3
8	1.6	1.1	1.6	e1.1	2.6	4.9	6.4	2.2	4.7	1.8	e.80	.86
9	1.5	7.2	1.6	e4.6	2.7	4.4	5.3	2.3	2.4	2.3	e.50	.81
10	1.9	5.3	1.6	2.9	4.9	3.8	4.6	2.2	2.0	1.4	e.70	.97
11	2.2	1.6	1.6	2.6	2.9	3.4	4.2	2.1	1.8	e1.0	e.80	.75
12	2.1	1.1	1.6	6.0	4.8	3.7	4.0	2.0	1.6	e.90	5.4	.46
13	1.7	1.0	1.5	8.0	5.6	11	12	1.9	1.6	2.9	4.0	.32
14	1.5	10	7.0	3.6	9.3	4.1	8.4	1.9	7.9	1.6	2.0	.36
15	1.7	3.0	2.9	3.2	3.9	45	5.4	1.9	2.1	e.70	e1.0	.97
16	1.3	1.8	12	2.9	3.4	20	4.9	1.8	1.6	e.60	e1.2	2.7
17	1.2	9.1	25	2.6	65	9.7	3.8	1.9	1.4	e.50	e1.5	.36
18	1.3	2.7	5.5	4.2	11	6.2	3.9	2.0	1.2	e.70	e3.0	.11
19	1.3	11	4.6	25	5.8	4.7	3.9	4.2	1.1	9.0	e2.0	.09
20	e1.5	12	4.9	27	4.1	74	3.5	18	1.2	1.8	e.70	10
21	e1.4	4.8	e3.2	12	3.5	209	3.2	8.8	1.6	1.3	e.30	2.4
22	e1.3	2.2	e3.2	5.6	19	28	3.0	22	14	1.7	.23	.95
23	e1.2	1.9	e2.7	4.4	8.3	16	2.9	10	11	3.5	.15	.65
24	.90	1.7	e2.0	4.0	4.9	12	3.6	3.2	2.5	5.1	.14	53
25	1.0	20	e2.2	4.1	32	9.9	23	4.5	18	5.9	.54	8.1
26	1.0	12	e1.9	3.3	14	8.2	5.7	19	9.7	12	.15	2.3
27	1.0	3.9	e1.9	3.3	6.9	7.3	3.7	3.5	4.2	2.4	.07	1.6
28	1.1	2.7	e1.7	3.1	5.0	6.3	3.1	22	2.2	1.8	.07	1.2
29	1.1	2.3	e1.8	3.0	---	389	2.8	14	1.9	1.5	.08	.97
30	.92	2.1	e1.7	6.0	---	116	2.7	4.0	1.7	1.4	.10	.85
31	.93	---	e1.8	3.7	---	27	---	2.9	---	1.2	.09	---
TOTAL	45.75	128.07	107.7	171.0	239.0	1127.1	212.4	175.4	144.2	99.40	33.02	222.78
MEAN	1.48	4.27	3.47	5.52	8.54	36.4	7.08	5.66	4.81	3.21	1.07	7.43
MAX	2.2	20	25	27	65	389	23	22	24	16	5.4	67
MIN	.90	.98	1.5	1.8	2.6	3.4	2.7	1.8	1.1	.50	.07	.09
CFSM	.09	.26	.21	.34	.52	2.22	.43	.35	.29	.20	.06	.45
IN.	.10	.29	.24	.39	.54	2.56	.48	.40	.33	.23	.07	.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001				
MEAN	14.2	14.4	18.8	29.8	33.6	34.9	19.7	15.9	11.5	8.38	9.40	8.20																													
MAX	70.8	91.3	59.5	74.4	78.4	86.8	44.3	101	66.5	58.4	59.0	66.2																													
(WY)	1991	1986	1984	1993	1979	1993	1987	1975	1982	1997	1967	1975																													
MIN	1.48	2.42	2.53	4.04	8.54	8.31	4.38	3.60	1.68	1.08	1.07	1.27																													
(WY)	2001	1982	1966	1981	2001	1999	1967	1981	1986	1986	2001	1986																													

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1965 - 2001

	2000 CALENDAR YEAR	2001 WATER YEAR	1965 - 2001
ANNUAL TOTAL	4244.62	2705.82	
ANNUAL MEAN	11.6	7.41	18.3
HIGHEST ANNUAL MEAN			36.2
LOWEST ANNUAL MEAN			6.79
HIGHEST DAILY MEAN	264	389	1600
LOWEST DAILY MEAN	.90	.07	.07
ANNUAL SEVEN-DAY MINIMUM	1.0	.09	.09
MAXIMUM PEAK FLOW		1400	4300
MAXIMUM PEAK STAGE		10.60	13.45
INSTANTANEOUS LOW FLOW		.04*	.04*
ANNUAL RUNOFF (CFSM)	.71	.45	1.11
ANNUAL RUNOFF (INCHES)	9.63	6.14	15.13
10 PERCENT EXCEEDS	20	12	30
50 PERCENT EXCEEDS	3.7	2.6	6.5
90 PERCENT EXCEEDS	1.5	.86	1.8

e Estimated.

* See REMARKS.

02142900 LONG CREEK NEAR PAW CREEK, NC--Continued

