

SANTEE RIVER BASIN

02142900 LONG CREEK NEAR PAW CREEK, NC

LOCATION.--Lat 35°19'43", long 80°54'35", North American Datum of 1983, 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 above 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 based on discharge measurement made Aug. 15, 2002, and may be lower.

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	1.0	1.3	1.1	1.1	2.8	1.9	27	2.3	7.7	0.41	0.30	12
2	0.76	0.92	0.80	1.3	2.5	60	10	2.0	16	5.4	e3.4	3.4
3	0.65	0.85	0.73	1.3	2.2	48	7.4	1.9	2.8	29	5.9	0.91
4	0.54	0.84	0.78	2.8	2.2	17	5.4	22	1.9	14	1.5	0.73
5	0.47	0.74	0.75	1.7	1.9	10	4.7	8.3	1.3	4.1	0.53	0.45
6	1.0	0.76	0.79	25	2.3	7.8	4.3	3.4	26	3.0	e0.25	0.90
7	1.3	0.78	0.80	9.5	45	6.8	4.0	2.7	27	2.2	e0.30	0.62
8	0.63	0.82	0.82	3.4	34	4.8	3.7	2.2	4.0	1.7	e0.13	0.07
9	0.52	0.79	0.82	2.3	11	4.3	3.6	1.9	2.2	1.6	e0.11	0.21
10	0.56	0.82	21	2.1	15	3.8	5.4	1.9	1.6	1.3	e0.09	0.24
11	0.62	0.83	27	1.8	10	3.3	3.3	27	1.2	0.98	e0.08	e3.9
12	1.4	0.85	3.5	1.6	5.9	17	4.2	5.7	0.90	0.70	e0.06	0.22
13	0.61	0.82	2.7	3.6	4.7	33	4.1	42	0.79	1.5	e0.05	0.22
14	2.5	0.85	2.0	2.7	4.0	16	2.7	25	0.58	104	e0.03	1.3
15	2.2	0.90	1.4	1.7	3.7	9.7	2.5	6.9	0.63	10	e0.03	27
16	0.58	0.87	1.1	1.7	3.4	7.0	2.2	5.8	0.69	4.3	21	22
17	0.51	0.95	3.2	1.6	3.4	27	4.3	8.3	0.66	2.9	68	14
18	0.73	0.95	23	1.6	2.8	18	12	13	0.73	2.7	6.2	2.2
19	0.86	0.91	3.1	84	2.6	16	4.1	4.6	0.67	4.9	3.5	2.8
20	0.66	1.0	1.8	40	2.6	9.6	3.4	3.3	0.47	2.9	2.6	0.80
21	0.82	0.95	1.4	21	2.8	29	3.2	3.0	0.26	1.5	2.1	0.54
22	1.1	0.96	1.3	9.8	2.4	13	2.8	2.6	0.34	3.3	1.5	0.32
23	1.3	0.86	1.3	215	2.3	8.9	2.4	2.2	0.38	0.67	0.75	0.22
24	1.5	13	1.9	23	2.2	7.3	2.5	1.9	0.37	1.1	1.6	0.35
25	6.6	2.4	1.6	34	2.1	5.9	3.6	1.9	0.95	5.6	0.77	0.24
26	1.5	1.9	1.4	13	2.1	7.7	2.4	1.6	3.8	10	0.67	22
27	1.2	1.1	1.4	8.7	2.0	11	2.2	1.3	4.1	4.8	0.64	18
28	0.85	1.1	1.3	5.0	1.9	5.1	2.2	1.1	1.6	3.2	1.7	11
29	0.91	1.0	1.2	4.2	---	4.5	1.9	1.0	0.95	1.5	0.90	2.3
30	1.1	0.94	1.2	3.5	---	9.2	1.6	3.4	0.50	0.66	0.24	1.2
31	1.0	---	1.1	3.3	---	21	---	9.2	---	0.26	32	---
TOTAL	35.98	41.76	112.29	531.3	179.8	443.6	143.1	219.4	111.07	230.18	156.93	150.14
MEAN	1.161	1.392	3.622	17.14	6.421	14.31	4.770	7.077	3.702	7.425	5.062	5.005
MAX	6.6	13	27	215	45	60	27	42	27	104	68	27
MIN	0.47	0.74	0.73	1.1	1.9	1.9	1.6	1.0	0.26	0.26	0.03	0.07
CFSM	0.07	0.08	0.22	1.05	0.39	0.87	0.29	0.43	0.23	0.45	0.31	0.31
IN.	0.08	0.09	0.25	1.21	0.41	1.01	0.32	0.50	0.25	0.52	0.36	0.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2002, BY WATER YEAR (WY)

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	
MEAN	13.84	14.06	18.36	29.47	32.88	34.36	19.27	15.62	11.27	8.358	9.291	8.116
MAX (WY)	70.8	91.3	59.5	74.4	78.4	86.8	44.3	101	66.5	58.4	59.0	66.2
MIN (WY)	1.991	1.986	1.984	1.993	1.979	1.993	1.987	1.975	1.982	1.997	1.967	1.975
MIN (WY)	1.16	1.39	2.53	4.04	6.42	8.31	4.38	3.60	1.68	1.08	1.07	1.27
MIN (WY)	2002	2002	1966	1981	2002	1999	1967	1981	1986	1986	2001	1986

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1965 - 2002

ANNUAL TOTAL	2614.33	2355.55	
ANNUAL MEAN	7.163	6.454	17.94
HIGHEST ANNUAL MEAN			36.2
LOWEST ANNUAL MEAN			6.45
HIGHEST DAILY MEAN	389	Mar 29	215
LOWEST DAILY MEAN	0.07	Aug 27	0.03
ANNUAL SEVEN-DAY MINIMUM	0.09	Aug 27	0.06
MAXIMUM PEAK FLOW			788
MAXIMUM PEAK STAGE			8.45
INSTANTANEOUS LOW FLOW			0.03*
ANNUAL RUNOFF (CFSM)	0.44		0.39
ANNUAL RUNOFF (INCHES)	5.93		5.34
10 PERCENT EXCEEDS	13		17
50 PERCENT EXCEEDS	2.3		2.1
90 PERCENT EXCEEDS	0.70		0.55

e Estimated.
* See REMARKS.

02142900 LONG CREEK NEAR PAW CREEK, NC--Continued

