

SANTEE RIVER BASIN

02149000 COVE CREEK NEAR LAKE LURE, NC

LOCATION.--Lat 35°25'24", long 82°06'42", Rutherford County, Hydrologic Unit 03050105, on left bank 40 ft upstream from bridge on U.S. Highways 64 and 74, 1.0 mi upstream from mouth, and 5.0 mi east of town of Lake Lure.

DRAINAGE AREA.--79.0 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1949-50. October 1950 to current year. Monthly discharge only for some periods, published in WSP 1723.

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

GAGE.--Water-stage recorder. Datum of gage is 815.4 ft above NGVD of 1929. Prior to Dec. 20, 1954, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for period of record and current water year also occurred Aug. 15, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1916 reached a stage of about 23 ft, from records of North Carolina State Highway Commission.

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	30	31	43	35	56	40	74	52	27	38	18	27
2	29	32	36	35	51	67	68	48	25	31	16	25
3	28	31	33	35	49	113	64	46	23	28	16	23
4	28	31	32	e34	48	71	60	76	23	29	15	21
5	28	30	32	e34	45	60	58	68	65	27	14	19
6	28	29	31	56	47	56	55	53	44	25	12	17
7	28	29	31	64	82	53	53	47	90	23	12	16
8	27	29	30	47	102	51	53	45	41	22	10	16
9	27	29	30	43	78	50	63	42	33	21	10	14
10	28	29	36	42	68	48	77	40	29	21	10	13
11	28	29	93	42	63	45	62	42	28	23	9.8	12
12	32	29	54	39	58	51	61	40	26	25	9.3	11
13	35	28	46	39	55	114	78	41	26	24	8.5	11
14	64	29	47	37	52	107	76	44	27	32	8.1	21
15	57	29	43	37	50	82	69	37	28	34	8.5	71
16	38	28	40	36	50	74	64	35	25	32	70	76
17	33	28	44	36	47	101	61	34	24	24	50	39
18	34	28	95	36	45	115	79	40	23	21	33	32
19	33	28	64	50	44	94	63	35	22	20	27	31
20	33	28	54	101	45	87	58	32	22	20	36	31
21	33	28	48	75	47	94	55	32	21	20	26	35
22	32	28	45	67	43	84	51	32	19	19	21	50
23	32	29	44	170	42	76	47	31	20	31	21	71
24	32	82	47	146	41	71	46	30	21	23	20	44
25	32	60	41	135	41	67	55	29	20	26	19	45
26	30	45	40	104	41	67	48	28	32	26	32	141
27	28	37	40	86	40	75	45	27	83	25	29	292
28	30	34	40	75	39	65	45	33	61	22	27	132
29	31	32	38	68	---	62	42	27	38	22	24	71
30	31	43	36	62	---	71	39	26	42	19	24	54
31	31	---	36	59	---	75	---	28	---	17	25	---
TOTAL	1010	1002	1369	1925	1469	2286	1769	1220	1008	770	661.2	1461
MEAN	32.58	33.40	44.16	62.10	52.46	73.74	58.97	39.35	33.60	24.84	21.33	48.70
MAX	64	82	95	170	102	115	79	76	90	38	70	292
MIN	27	28	30	34	39	40	39	26	19	17	8.1	11
CFSM	0.41	0.42	0.56	0.79	0.66	0.93	0.75	0.50	0.43	0.31	0.27	0.62
IN.	0.48	0.47	0.64	0.91	0.69	1.08	0.83	0.57	0.47	0.36	0.31	0.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2002, BY WATER YEAR (WY)

MEAN	110.6	113.7	124.9	141.7	166.2	193.2	178.7	144.9	126.8	95.75	104.3	93.64
MAX	381	334	278	314	335	479	391	384	309	189	377	333
(WY)	1965	1993	1984	1993	1998	1979	1980	1975	1992	1974	1974	1979
MIN	24.5	33.1	38.2	39.5	52.5	68.6	59.0	39.4	33.6	24.8	21.3	24.5
(WY)	1955	1955	1989	1956	2002	1988	2002	2002	2002	2002	2002	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	FOR 2001 WATER YEAR	FOR 2002 WATER YEAR	FOR 1999 WATER YEAR	FOR 2000 WATER YEAR	FOR 2001 WATER YEAR	FOR 2002 WATER YEAR
ANNUAL TOTAL	18794	15950.2						
ANNUAL MEAN	51.49	43.70						
HIGHEST ANNUAL MEAN								133.2
LOWEST ANNUAL MEAN								231
HIGHEST DAILY MEAN	442	Mar 30	292	Sep 27	3190	Oct 4 1964		
LOWEST DAILY MEAN	19	Aug 26	8.1	Aug 14	8.1	Aug 14 2002		
ANNUAL SEVEN-DAY MINIMUM	20	Aug 23	9.2	Aug 9	9.2	Aug 9 2002		
MAXIMUM PEAK FLOW			414	Sep 27	7050	Jun 5 1957		
MAXIMUM PEAK STAGE			3.50	Sep 27	18.53	Jun 5 1957		
INSTANTANEOUS LOW FLOW			7.7*	Aug 14	7.7*	Aug 14 2002		
ANNUAL RUNOFF (CFSM)	0.65	0.55						1.69
ANNUAL RUNOFF (INCHES)	8.85	7.51						22.91
10 PERCENT EXCEEDS	82	75						224
50 PERCENT EXCEEDS	41	36						102
90 PERCENT EXCEEDS	28	21						48

e Estimated.
* See REMARKS.

02149000 COVE CREEK NEAR LAKE LURE, NC--Continued

