

SANTEE RIVER BASIN

02142000 LOWER LITTLE RIVER NEAR ALL HEALING SPRINGS, NC

LOCATION.--Lat 35°56'44", long 81°14'13", Alexander County, Hydrologic Unit 03050101, on left bank at upstream side of bridge on Secondary Road 1313, 0.3 mi downstream of Grassy Creek, 0.4 mi upstream from Lambert Creek, 2.2 mi northeast of All Healing Springs, and 4 mi northwest of Taylorsville.

DRAINAGE AREA.--28.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October to December 1952 (monthly discharge only), January 1953 to September 1995, October 1997 to current year.

REVISED RECORDS.--WDR NC-79-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 1,070 ft above NGVD of 1929, by barometer. Prior to June 13, 1953, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record result of freezeup.

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	8.0	9.0	9.9	11	27	16	24	11	8.5	6.3	4.8	4.6
2	7.8	9.0	9.4	11	24	26	22	11	7.9	5.5	4.4	4.2
3	7.6	9.0	9.1	11	24	34	22	12	7.6	5.0	4.2	3.9
4	7.3	8.7	9.1	e11	22	25	21	13	7.3	4.7	3.9	3.7
5	7.0	8.5	8.8	e11	21	23	20	12	11	4.6	3.6	3.3
6	7.1	8.5	9.0	16	22	21	20	11	8.2	4.1	3.3	2.7
7	7.0	8.5	8.8	16	39	20	19	13	7.9	3.8	2.7	2.6
8	7.0	8.4	8.9	13	44	20	18	17	7.0	3.8	2.7	2.6
9	7.2	8.3	8.7	13	35	19	20	12	6.6	4.4	2.6	2.3
10	7.3	8.3	15	13	35	18	21	14	6.3	4.8	2.5	2.0
11	7.5	8.4	36	12	32	17	18	18	5.9	5.7	2.4	1.8
12	7.7	8.5	18	12	30	20	19	13	5.7	6.1	2.4	1.5
13	7.8	8.2	15	12	28	39	23	17	5.9	5.9	2.2	1.6
14	28	8.2	14	11	26	36	21	16	6.4	6.5	2.0	2.3
15	15	8.5	13	11	24	31	20	12	6.2	34	2.8	8.6
16	10	8.7	11	10	24	28	19	10	5.3	7.4	4.6	7.7
17	9.4	8.7	21	10	22	49	18	9.8	5.2	5.5	4.1	4.2
18	9.3	8.5	44	10	21	52	17	12	5.0	4.9	4.2	3.9
19	9.4	8.5	e22	24	21	41	16	9.9	5.4	4.4	3.2	4.1
20	9.4	8.6	e18	36	21	36	16	9.5	5.1	4.1	2.6	3.9
21	9.2	8.5	e16	27	21	35	15	9.5	4.5	3.9	2.3	4.2
22	9.0	8.4	15	22	19	31	14	9.3	4.4	3.7	2.1	5.1
23	8.9	8.6	14	69	19	28	13	9.1	4.4	4.9	2.0	5.8
24	8.5	15	20	71	19	27	13	8.9	4.8	19	1.7	4.4
25	9.0	17	15	81	18	25	14	8.4	4.5	11	2.9	4.3
26	8.7	13	14	58	17	29	13	8.0	7.5	16	20	16
27	8.7	11	13	45	17	31	13	19	12	8.1	5.5	36
28	8.5	10	13	39	16	26	13	14	9.1	7.3	4.4	15
29	8.7	9.8	13	35	---	25	12	9.5	7.2	5.9	4.1	9.0
30	9.0	10	12	31	---	25	11	9.1	6.1	5.5	4.1	7.2
31	9.0	---	12	29	---	27	---	9.6	---	4.9	4.3	---
TOTAL	284.0	282.3	465.7	781	688	880	525	367.6	198.9	221.7	118.6	178.5
MEAN	9.161	9.410	15.02	25.19	24.57	28.39	17.50	11.86	6.630	7.152	3.826	5.950
MAX	28	17	44	81	44	52	24	19	12	34	20	36
MIN	7.0	8.2	8.7	10	16	16	11	8.0	4.4	3.7	1.7	1.5
CFSM	0.32	0.33	0.53	0.89	0.87	1.01	0.62	0.42	0.24	0.25	0.14	0.21
IN.	0.37	0.37	0.61	1.03	0.91	1.16	0.69	0.48	0.26	0.29	0.16	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2002,[®] BY WATER YEAR (WY)

	MEAN	27.40	27.50	34.77	42.30	50.33	58.22	57.06	41.17	35.88	27.20	26.08	24.62
MAX	103	115	76.3	117	134	153	137	98.5	106	88.1	123	102	
(WY)	1965	1978	1984	1978	1960	1975	1958	1975	1975	1984	1970	1979	
MIN	6.04	7.03	8.16	9.36	10.8	21.1	17.5	11.9	6.63	7.15	3.83	4.75	
(WY)	1955	1956	1956	1956	2001	1956	2002	2002	2002	2002	2002	1954	

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1953 - 2002 [®]	
ANNUAL TOTAL	5558.1		4991.3			
ANNUAL MEAN	15.23		13.67		37.80	
HIGHEST ANNUAL MEAN					65.2	
LOWEST ANNUAL MEAN					13.7	
HIGHEST DAILY MEAN	152	Mar 30	81	Jan 25	2270	Aug 10 1970
LOWEST DAILY MEAN	5.4	Jun 21	1.5	Sep 12	1.5	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	6.1	Jun 15	2.0	Sep 8	2.0	Sep 8 2002
MAXIMUM PEAK FLOW			129	Jul 15	4850	Aug 10 1970
MAXIMUM PEAK STAGE			2.21	Jul 15	15.68	Aug 10 1970
INSTANTANEOUS LOW FLOW			1.4	Sep 12	0.32*	Jan 3 2001
ANNUAL RUNOFF (CFSM)	0.54		0.48		1.34	
ANNUAL RUNOFF (INCHES)	7.33		6.58		18.21	
10 PERCENT EXCEEDS	25		27		66	
50 PERCENT EXCEEDS	11		9.8		25	
90 PERCENT EXCEEDS	7.0		3.9		11	

e Estimated.

[®] See PERIOD OF RECORD.

* See REMARKS.

02142000 LOWER LITTLE RIVER NEAR ALL HEALING SPRINGS, NC--Continued

