

Water-Data Report 2007

02142000 LOWER LITTLE RIVER NEAR ALL HEALING SPRINGS, NC

Santee Basin
Upper Catawba Subbasin

LOCATION.--Lat 35°56'44", long 81°14'13" referenced to North American Datum of 1983, Alexander County, NC, 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.

SURFACE-WATER 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 and crest-stage gage. 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.--No estimated daily discharges. Records good. Minimum discharge for period of record result of freezeup.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.4	18	24	390	25	57	25	21	11	8.6	7.5	4.0
2	8.8	21	18	129	24	466	25	20	10	8.3	6.9	3.9
3	8.8	17	17	75	23	113	24	20	14	8.3	6.2	3.6
4	8.6	17	17	57	22	68	24	22	13	7.7	5.9	3.5
5	8.3	16	16	90	22	52	23	22	11	7.4	5.5	3.2
6	8.3	16	15	81	21	43	23	21	10	8.8	5.6	2.9
7	8.4	32	15	77	22	38	23	19	9.5	7.5	5.0	2.9
8	9.2	78	14	297	21	34	23	19	10	7.3	4.4	2.9
9	9.0	40	14	112	21	32	22	19	9.3	7.4	4.2	2.7
10	8.3	30	14	70	21	31	22	19	8.7	9.5	3.8	2.6
11	8.7	26	14	54	20	29	25	18	9.2	12	3.5	2.9
12	11	29	13	47	21	28	28	18	10	8.4	3.5	2.8
13	8.1	25	14	43	26	27	23	18	9.5	7.1	3.4	2.7
14	8.1	23	13	39	53	27	23	17	9.1	7.6	3.0	23
15	8.0	22	13	36	32	26	59	16	12	7.0	2.8	11
16	8.3	119	12	34	29	79	53	16	11	6.8	2.7	5.6
17	27	59	12	31	27	60	38	16	9.8	6.6	2.6	5.0
18	20	36	12	30	25	44	33	15	8.5	6.7	2.3	4.7
19	14	28	12	30	23	37	31	15	8.0	5.7	2.3	4.5
20	18	24	12	28	23	34	30	15	8.4	6.2	2.2	4.5
21	14	21	12	30	24	33	27	14	7.4	7.3	2.1	4.8
22	12	24	65	39	23	31	25	14	6.8	5.7	2.5	5.1
23	11	24	79	32	22	30	24	14	6.9	5.4	2.5	4.6
24	11	21	40	30	21	29	24	15	6.9	12	7.4	4.3
25	11	19	89	29	34	28	24	13	7.2	26	4.0	4.4
26	11	18	89	28	33	27	23	13	7.8	22	3.5	4.3
27	17	17	48	27	29	26	26	12	7.8	10	5.1	4.1
28	44	17	35	26	27	26	23	12	7.3	10	17	3.9
29	24	17	29	25	---	29	22	11	7.6	8.4	7.9	3.5
30	21	17	26	24	---	26	21	11	14	8.8	4.9	3.5
31	19	---	38	24	---	26	---	11	---	8.5	4.9	---
Total	413.3	871	841	2,064	714	1,636	816	506	281.7	279.0	145.1	141.4
Mean	13.3	29.0	27.1	66.6	25.5	52.8	27.2	16.3	9.39	9.00	4.68	4.71
Max	44	119	89	390	53	466	59	22	14	26	17	23
Min	8.0	16	12	24	20	26	21	11	6.8	5.4	2.1	2.6
Cfsm	0.47	1.03	0.96	2.36	0.90	1.87	0.96	0.58	0.33	0.32	0.17	0.17
In.	0.55	1.15	1.11	2.72	0.94	2.16	1.08	0.67	0.37	0.37	0.19	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2007^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	27.0	27.9	35.3	41.9	48.8	57.2	56.2	39.8	36.0	27.4	25.4	24.6
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	19.0	17.5	11.9	6.63	7.15	3.83	4.71
(WY)	(1955)	(1956)	(1956)	(1956)	(2001)	(2006)	(2002)	(2002)	(2002)	(2002)	(2002)	(2007)

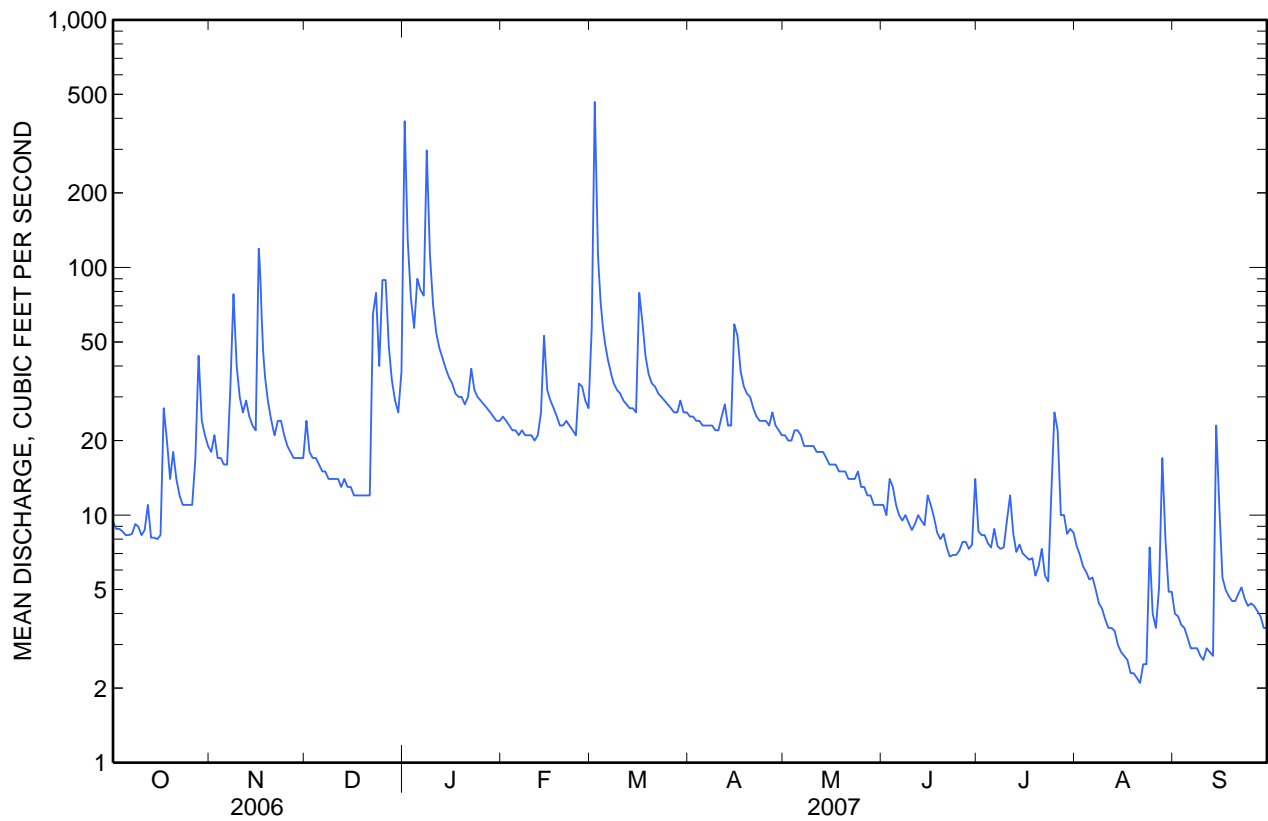
02142000 LOWER LITTLE RIVER NEAR ALL HEALING SPRINGS, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1953 - 2007 ^a	
Annual total	7,193.7		8,708.5			
Annual mean	19.7		23.9		37.4	
Highest annual mean					65.2	1993
Lowest annual mean					13.7	2002
Highest daily mean	119	Nov 16	466	Mar 2	2,270	Aug 10, 1970
Lowest daily mean	4.5	Aug 5	2.1	Aug 21	1.5	Sep 12, 2002
Annual seven-day minimum	5.1	Aug 1	2.4	Aug 17	2.0	Sep 8, 2002
Maximum peak flow			1,240	Mar 2	4,850	Aug 10, 1970
Maximum peak stage			8.08	Mar 2	15.68	Aug 10, 1970
Instantaneous low flow			1.8	Aug 18	^b 0.32	Jan 3, 2001
Annual runoff (cfsm)	0.699		0.846		1.33	
Annual runoff (inches)	9.49		11.49		18.01	
10 percent exceeds	34		39		65	
50 percent exceeds	17		17		26	
90 percent exceeds	8.3		4.4		11	

^a See Period of Record.

^b See Remarks.



02142000 LOWER LITTLE RIVER NEAR ALL HEALING SPRINGS, NC—Continued**CLIMATOLOGICAL RECORDS**

PERIOD OF RECORD.--August 2001 to current year.

INSTRUMENTATION.--Tipping-bucket raingage and electronic datalogger. Satellite telemetry at station.

REMARKS.--Gage is operated in cooperation with North Carolina Department of Environment and Natural Resources. Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.01	0.06	0.08	1.11	0.06	1.63	0.03	0.00	0.00	0.00	0.00	0.00
2	0.00	0.36	0.00	0.00	0.01	0.53	0.01	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.01	0.00	0.00	0.00
5	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.09	0.03	0.37	0.00	0.00
6	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
7	0.00	0.96	0.00	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.06	0.49	0.00	0.30	0.00	0.00	0.00	0.00	0.81	0.03	0.01	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00
11	0.63	0.29	0.00	0.00	0.00	0.00	0.43	0.00	0.05	0.30	0.00	0.00
12	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.08	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.02	0.00	0.30	0.00	0.16	0.00	0.00	2.30
15	0.00	0.76	0.00	0.00	0.00	0.02	1.06	0.00	0.08	0.00	0.00	0.00
16	0.03	0.64	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.13	0.00	0.00
17	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00
18	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.20	0.00	0.00	0.01	0.00	0.00	0.17	0.00	0.02	0.00	0.00	0.00
20	0.14	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.01	0.04	0.00	0.00
21	0.00	0.11	0.03	0.62	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.01
22	0.01	0.22	1.51	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.44	0.14	0.00
25	0.00	0.00	1.03	0.00	0.69	0.00	0.00	0.00	0.00	1.25	0.00	0.00
26	0.00	0.00	0.02	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.23	0.00
27	1.07	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.01	0.00	0.00	0.00
28	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.28	0.00
29	0.00	0.00	0.00	0.00	---	0.22	0.00	0.00	1.19	0.00	0.00	0.00
30	0.00	0.24	0.00	0.00	---	0.00	0.00	0.00	0.02	0.01	0.02	0.00
31	0.00	---	1.08	0.00	---	0.00	---	0.00	---	0.00	0.01	---
Total	3.74	4.13	3.83	4.02	1.92	3.90	2.29	0.35	2.54	3.64	0.71	2.31

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

