

Water-Data Report 2008

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.--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.--Records good except those for estimated daily discharges, which are fair. 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 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.5	6.7	7.3	23	48	12	16	24	8.0	4.6	3.2	7.1
2	3.5	6.4	7.3	18	38	12	15	21	7.2	4.0	3.2	6.4
3	3.5	6.2	7.3	15	25	12	16	19	7.8	3.6	4.1	5.4
4	3.8	6.4	7.1	e14	69	17	26	17	7.5	3.4	2.8	4.9
5	4.3	6.2	7.3	13	93	33	39	16	6.6	3.9	2.4	4.6
6	4.2	6.1	7.1	12	e48	23	115	15	5.9	4.6	2.5	e4.4
7	4.1	6.0	7.1	11	e37	37	68	14	5.6	5.4	2.4	e4.3
8	3.8	6.3	7.2	10	e29	50	45	14	5.4	4.4	2.4	e4.2
9	3.6	6.5	7.3	10	e25	38	35	29	5.0	13	2.2	33
10	3.4	6.5	7.3	11	e22	30	29	16	5.1	27	2.2	85
11	2.9	6.5	7.3	14	e20	25	26	15	5.1	18	e2.1	33
12	3.0	6.6	7.3	12	e18	22	26	15	4.8	8.1	e2.0	22
13	3.3	6.8	7.3	11	25	20	22	13	4.9	8.4	e3.8	16
14	3.5	6.9	7.4	11	e22	19	20	13	11	12	e3.2	12
15	3.4	7.5	7.3	10	e20	21	19	13	9.3	7.0	e2.7	9.8
16	3.3	6.6	12	10	e18	24	18	16	5.8	5.8	e2.4	15
17	3.6	6.5	8.9	13	e18	19	17	13	5.0	5.6	e2.2	13
18	3.8	6.8	8.0	14	21	18	16	13	4.6	4.9	e2.1	10
19	4.1	7.0	7.9	15	e18	23	19	13	4.5	4.8	e2.0	9.1
20	4.5	6.9	7.8	14	e17	39	36	12	4.4	4.6	e1.9	8.7
21	3.7	7.0	11	e13	e16	30	24	11	4.8	4.2	e1.8	8.1
22	3.9	8.2	9.9	12	17	26	22	10	5.0	3.9	e1.7	e7.7
23	5.2	7.0	22	12	e17	22	20	9.9	4.8	4.5	e1.6	e7.3
24	12	6.6	18	12	e16	20	18	9.9	4.1	3.8	e1.6	e7.0
25	27	6.9	12	e11	e16	18	17	9.5	3.8	3.5	e2.3	e6.7
26	26	9.5	13	11	19	17	48	8.8	3.9	3.7	e10	11
27	18	11	12	10	15	16	59	8.8	4.5	3.7	195	23
28	9.6	8.2	23	10	13	16	46	11	4.4	3.0	35	17
29	7.7	7.6	45	10	13	18	36	11	5.5	3.0	18	13
30	7.2	7.5	34	10	---	16	29	9.6	7.2	3.0	11	12
31	6.9	---	35	9.6	---	16	---	8.6	---	3.0	8.6	---
Total	200.3	210.9	388.4	381.6	773	709	942	429.1	171.5	192.4	338.4	420.7
Mean	6.46	7.03	12.5	12.3	26.7	22.9	31.4	13.8	5.72	6.21	10.9	14.0
Max	27	11	45	23	93	50	115	29	11	27	195	85
Min	2.9	6.0	7.1	9.6	13	12	15	8.6	3.8	3.0	1.6	4.2
Cfsm	0.23	0.25	0.44	0.44	0.95	0.81	1.11	0.49	0.20	0.22	0.39	0.50
In.	0.26	0.28	0.51	0.50	1.02	0.94	1.24	0.57	0.23	0.25	0.45	0.55

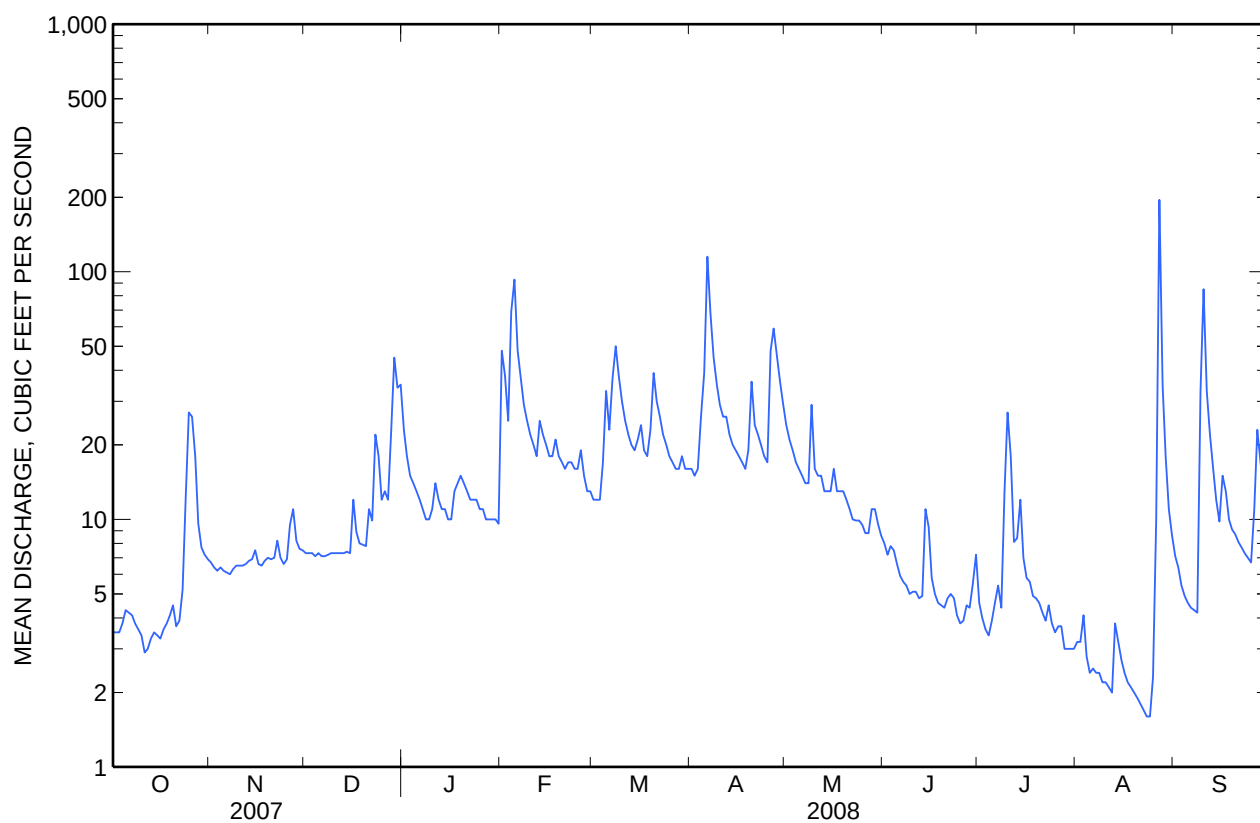
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2008^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	26.6	27.5	34.9	41.4	48.4	56.6	55.7	39.4	35.4	27.0	25.2	24.4
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	5.72	6.21	3.83	4.71
(WY)	(1955)	(1956)	(1956)	(1956)	(2001)	(2006)	(2002)	(2002)	(2008)	(2008)	(2002)	(2007)

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

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1953 - 2008 ^a	
Annual total	7,382.8		5,157.3			
Annual mean	20.2		14.1		36.9	
Highest annual mean					65.2	
Lowest annual mean					13.7	
Highest daily mean	466	Mar 2	195	Aug 27	2,270	Aug 10, 1970
Lowest daily mean	2.1	Aug 21	1.6	Aug 23	1.5	Sep 12, 2002
Annual seven-day minimum	2.4	Aug 17	1.8	Aug 18	1.8	Aug 18, 2008
Maximum peak flow			804	Aug 27	4,850	Aug 10, 1970
Maximum peak stage			6.25	Aug 27	15.68	Aug 10, 1970
Instantaneous low flow					^b 0.32	Jan 3, 2001
Annual runoff (cfs)	0.717		0.500		1.31	
Annual runoff (inches)	9.74		6.80		17.79	
10 percent exceeds	34		27		65	
50 percent exceeds	10		10		25	
90 percent exceeds	3.6		3.5		11	

^aSee Period of Record.^bSee 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 2007 TO SEPTEMBER 2008
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	---	0.00	1.39	0.00	0.03	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	---	0.00	0.26	0.00	0.57	0.00	0.01	0.00	0.00	0.00
4	0.24	0.00	---	0.00	0.69	0.81	0.43	0.00	0.00	0.00	0.00	0.00
5	0.01	0.00	---	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	---	0.00	0.17	0.00	0.24	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	---	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	---	0.00	0.00	0.15	0.00	0.36	0.00	0.00	0.00	0.00
9	0.00	0.00	---	0.00	0.00	0.00	0.00	0.03	0.05	0.00	0.00	0.63
10	0.00	0.00	---	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.02	2.20
11	0.00	0.00	---	0.17	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.23
12	0.00	0.00	---	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.02
13	0.00	0.00	---	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.75	0.00
14	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.06	0.00
15	0.00	0.00	---	0.00	0.00	0.58	0.00	0.02	0.00	0.00	0.00	0.00
16	0.00	---	---	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.76
17	0.00	---	0.00	0.16	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	---	0.00	0.42	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00
19	0.01	---	0.00	0.02	0.00	0.62	0.67	0.00	0.00	0.00	0.00	0.00
20	0.00	---	0.06	0.01	0.00	0.01	0.08	0.06	0.00	0.00	0.00	0.00
21	0.00	---	0.30	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
22	0.14	---	0.04	0.01	0.03	0.00	0.00	0.00	0.05	0.37	0.00	0.00
23	0.07	---	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
24	1.20	---	0.00	0.00	0.07	0.00	0.00	0.04	0.00	0.00	0.00	0.00
25	1.24	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.01
26	0.83	---	0.34	0.00	0.46	0.00	0.70	0.00	0.00	0.02	1.30	0.57
27	0.01	---	0.00	0.00	0.00	0.00	0.12	0.68	0.00	0.00	3.06	0.59
28	0.00	---	1.06	0.00	0.00	0.00	0.33	0.33	0.00	0.01	0.14	0.00
29	0.00	---	0.04	0.06	0.00	0.17	0.00	0.00	0.00	0.08	0.00	0.00
30	0.00	---	0.73	0.00	---	0.03	0.00	0.00	0.00	0.38	0.00	0.62
31	0.00	---	0.00	0.10	---	0.03	---	0.03	---	0.18	0.11	---
Total	3.75	---	---	1.17	3.77	3.08	3.70	2.11	0.71	1.10	5.82	5.63

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

