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 mi^2.

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 sea level, 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 poor. Minimum discharge for current water year and period of record result of freezeup.

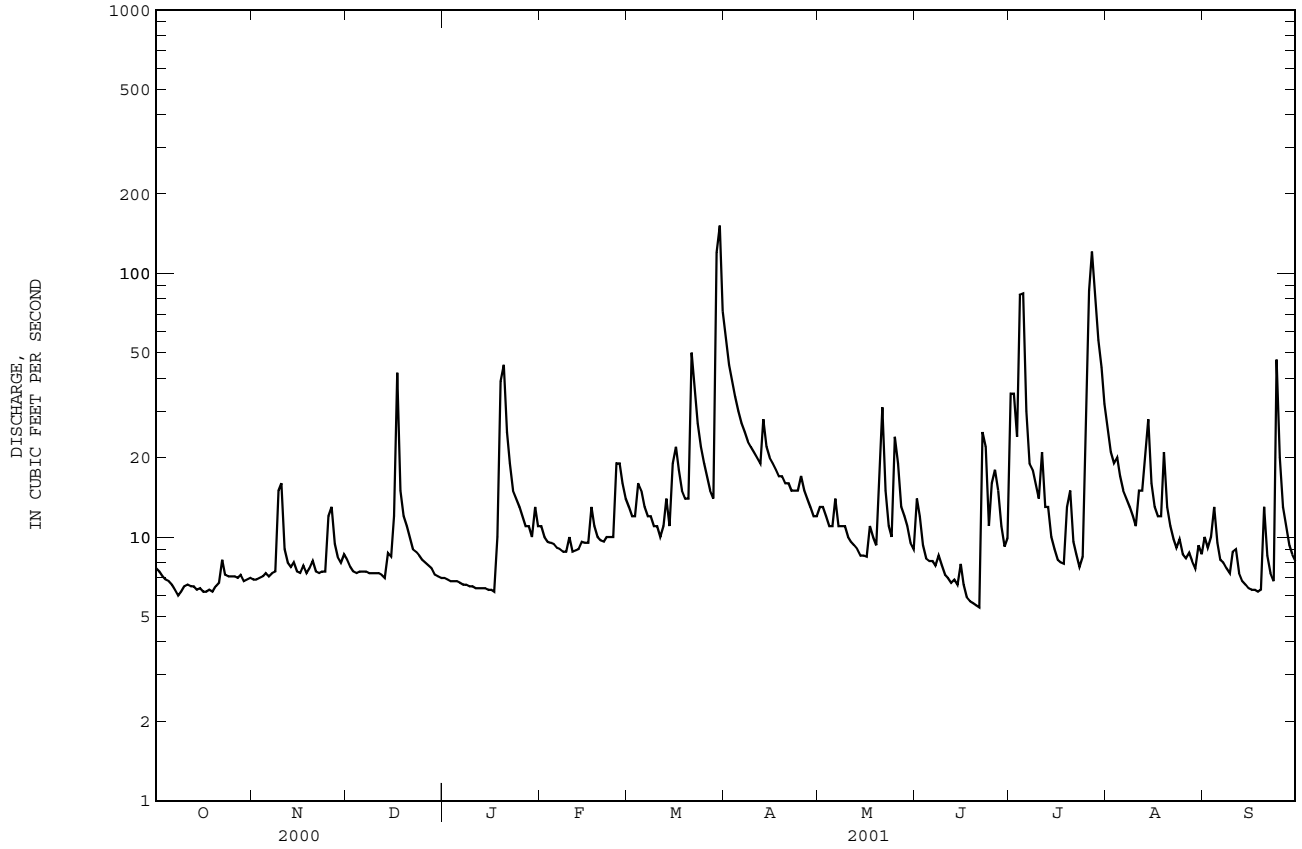
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	6.9	8.2	e7.0	11	13	57	13	14	35	26	10
2	7.4	6.9	7.7	e6.9	10	12	45	13	12	35	21	9.1
3	7.1	7.0	7.4	e6.8	9.6	12	39	12	9.3	24	19	10
4	6.9	7.1	7.3	e6.8	9.5	16	34	11	8.3	83	20	13
5	6.8	7.3	7.4	e6.8	9.4	15	30	11	8.1	84	17	9.5
6	6.6	7.1	7.4	e6.7	9.1	13	27	14	8.1	30	15	8.2
7	6.3	7.3	7.4	e6.6	9.0	12	25	11	7.8	19	14	8.0
8	6.0	7.4	7.3	e6.6	8.8	12	23	11	8.5	18	13	7.6
9	6.2	15	7.3	e6.5	8.8	11	22	11	7.8	16	12	7.3
10	6.5	16	7.3	e6.5	10	11	21	10	7.2	14	11	8.8
11	6.6	9.0	7.3	e6.4	8.8	10	20	9.6	7.0	21	15	9.0
12	6.5	8.0	7.2	e6.4	8.9	11	19	9.3	6.7	13	15	7.3
13	6.5	7.7	7.0	e6.4	9.0	14	28	9.0	6.9	13	21	6.8
14	6.3	8.0	8.7	e6.4	9.6	11	22	8.5	6.6	10	28	6.6
15	6.4	7.4	8.4	e6.3	9.5	19	20	8.5	7.9	9.0	16	6.4
16	6.2	7.3	12	e6.3	9.5	22	19	8.4	6.6	8.2	13	6.3
17	6.2	7.8	42	e6.2	13	18	18	11	5.9	8.0	12	6.3
18	6.3	7.3	e15	e10	11	15	17	10	5.7	7.9	12	6.2
19	6.2	7.6	e12	39	10	14	17	9.3	5.6	13	21	6.3
20	6.5	8.1	e11	45	9.7	14	16	16	5.5	15	13	13
21	6.7	7.4	e10	25	9.6	50	16	31	5.4	9.6	11	8.5
22	8.2	7.3	e9.0	19	10	37	15	15	25	8.6	9.8	7.3
23	7.2	7.4	e8.8	15	10	27	15	11	22	7.7	9.1	6.8
24	7.1	7.4	e8.5	14	10	22	15	10	11	8.4	9.8	47
25	7.1	12	e8.2	13	19	19	17	24	16	30	8.6	20
26	7.1	13	e8.0	12	19	17	15	19	18	86	8.3	13
27	7.0	9.4	e7.8	11	16	15	14	13	15	121	8.7	11
28	7.2	8.4	e7.6	11	14	14	13	12	11	85	8.1	9.3
29	6.8	8.0	e7.2	10	---	120	12	11	9.2	56	7.6	8.6
30	6.9	8.6	e7.1	13	---	152	12	9.5	9.9	44	9.3	8.1
31	7.0	---	e7.0	11	---	72	---	9.0	---	32	8.6	---
TOTAL	209.4	255.1	294.5	359.6	301.8	820	663	381.1	298.0	964.4	432.9	305.3
MEAN	6.75	8.50	9.50	11.6	10.8	26.5	22.1	12.3	9.93	31.1	14.0	10.2
MAX	8.2	16	42	45	19	152	57	31	25	121	28	47
MIN	6.0	6.9	7.0	6.2	8.8	10	12	8.4	5.4	7.7	7.6	6.2
CFSM	.24	.30	.34	.41	.38	.94	.78	.44	.35	1.10	.50	.36
IN.	.28	.34	.39	.47	.40	1.08	.87	.50	.39	1.27	.57	.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2001,@ BY WATER YEAR (WY)

MEAN	27.8	27.9	35.2	42.7	50.9	58.9	57.9	41.8	36.5	27.6	26.6	25.0
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	18.8	12.3	9.93	9.11	4.86	4.75
(WY)	1955	1956	1956	1956	2001	1956	1966	2001	2001	1954	1956	1954

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1953 - 2001@	
ANNUAL TOTAL	5839.0		5285.1			
ANNUAL MEAN	16.0		14.5		38.3	
HIGHEST ANNUAL MEAN					65.2	1993
LOWEST ANNUAL MEAN					14.5	2001
HIGHEST DAILY MEAN	102	Mar 20	152	Mar 30	2270	Aug 10 1970
LOWEST DAILY MEAN	3.6	Aug 27	5.4	Jun 21	3.1	Sep 20 1955
ANNUAL SEVEN-DAY MINIMUM	3.9	Aug 24	6.1	Jun 15	3.4	Sep 17 1955
MAXIMUM PEAK FLOW			536	Mar 29	4850	Aug 10 1970
MAXIMUM PEAK STAGE			5.21	Mar 29	15.68	Aug 10 1970
INSTANTANEOUS LOW FLOW			.32*	Jan 3	.32*	Jan 3 2001
ANNUAL RUNOFF (CFSM)	.57		.51		1.36	
ANNUAL RUNOFF (INCHES)	7.70		6.97		18.47	
10 PERCENT EXCEEDS	31		24		66	
50 PERCENT EXCEEDS	12		9.8		26	
90 PERCENT EXCEEDS	6.2		6.6		12	

e Estimated.
@ See PERIOD OF RECORD.
* See REMARKS.

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