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 mi^2.

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 sea level. 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.

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

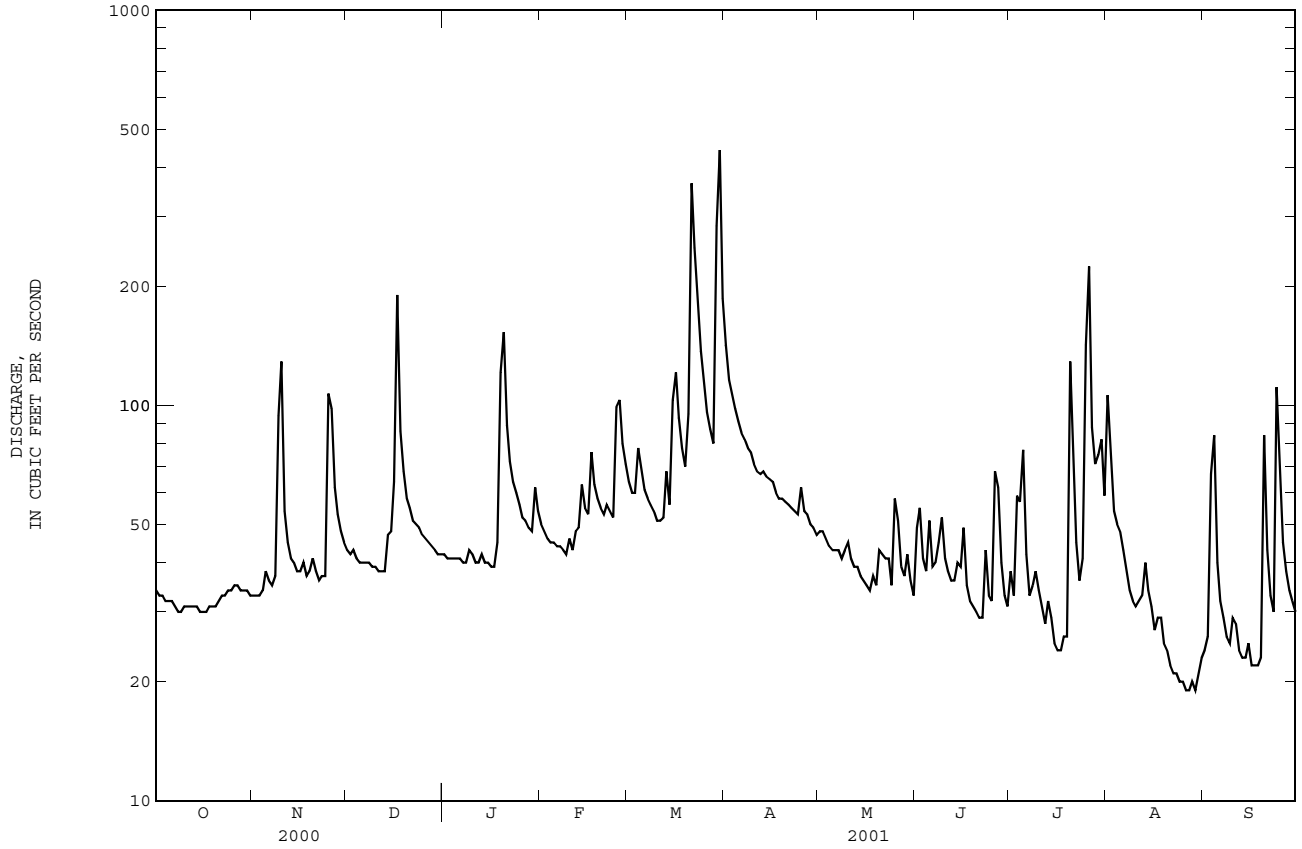
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	33	43	e42	50	64	142	48	49	38	106	24
2	33	33	42	e41	48	60	116	48	55	33	72	26
3	33	33	43	e41	46	60	106	46	41	59	54	67
4	32	34	41	e41	45	78	98	44	38	57	50	84
5	32	38	40	e41	45	69	91	43	51	77	48	40
6	32	36	40	e41	44	61	85	43	39	42	43	32
7	31	35	40	e40	44	58	82	43	40	33	38	29
8	30	37	40	e40	43	56	78	41	45	35	34	26
9	30	94	39	43	42	54	76	43	52	38	32	25
10	31	129	39	42	46	51	71	45	41	34	31	29
11	31	54	38	e40	43	51	68	41	38	31	32	28
12	31	45	38	e40	48	52	67	39	36	28	33	24
13	31	41	38	42	49	68	68	39	36	32	40	23
14	31	40	47	40	63	56	66	37	40	29	34	23
15	30	38	48	40	55	103	65	36	39	25	31	25
16	30	38	64	39	53	121	64	35	49	24	27	22
17	30	40	190	39	76	93	60	34	35	24	29	22
18	31	37	86	45	63	78	58	37	32	26	29	22
19	31	38	68	121	58	70	58	35	31	26	25	23
20	31	41	58	153	55	95	57	43	30	129	24	84
21	32	38	e55	89	53	364	56	42	29	67	22	43
22	33	36	e51	72	56	250	55	41	29	45	21	33
23	33	37	e50	64	54	188	54	41	43	36	21	30
24	34	37	e49	60	52	137	53	35	33	41	20	111
25	34	107	e47	56	99	113	62	58	32	142	20	74
26	35	98	e46	52	103	96	54	51	68	224	19	45
27	35	62	e45	51	80	87	53	39	62	88	19	38
28	34	53	44	49	71	80	50	37	40	71	20	34
29	34	48	43	48	---	284	49	42	33	75	19	32
30	34	45	e42	62	---	442	47	36	31	82	21	30
31	33	---	e42	54	---	186	---	33	---	59	23	---
TOTAL	996	1475	1596	1668	1584	3625	2109	1275	1217	1750	1037	1148
MEAN	32.1	49.2	51.5	53.8	56.6	117	70.3	41.1	40.6	56.5	33.5	38.3
MAX	35	129	190	153	103	442	142	58	68	224	106	111
MIN	30	33	38	39	42	51	47	33	29	24	19	22
CFSM	.41	.62	.65	.68	.72	1.48	.89	.52	.51	.71	.42	.48
IN.	.47	.69	.75	.79	.75	1.71	.99	.60	.57	.82	.49	.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	112	115	126	143	168	196	181	147	129	97.1	106	94.5
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	56.6	68.6	69.6	41.1	37.3	33.1	30.4	24.5
(WY)	1955	1955	1989	1956	2001	1988	1989	2001	1988	1988	1999	1954

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951 - 2001	
ANNUAL TOTAL	23782		19480			
ANNUAL MEAN	65.0		53.4		135	
HIGHEST ANNUAL MEAN					231	1993
LOWEST ANNUAL MEAN					53.4	2001
HIGHEST DAILY MEAN	1020	Mar 20	442	Mar 30	3190	Oct 4 1964
LOWEST DAILY MEAN	25	Jul 21	19	Aug 26	17	Sep 17 1999
ANNUAL SEVEN-DAY MINIMUM	27	Jul 16	20	Aug 23	18	Sep 14 1999
MAXIMUM PEAK FLOW			1140	Mar 29	7050	Jun 5 1957
MAXIMUM PEAK STAGE			5.80	Mar 29	18.53	Jun 5 1957
INSTANTANEOUS LOW FLOW			18	Aug 30	16	Sep 17 1999
ANNUAL RUNOFF (CFSM)	.82		.68		1.71	
ANNUAL RUNOFF (INCHES)	11.20		9.17		23.22	
10 PERCENT EXCEEDS	106		85		225	
50 PERCENT EXCEEDS	50		42		103	
90 PERCENT EXCEEDS	31		29		50	

e Estimated.

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