

0214269560 KILLIAN CREEK NEAR MARIPOSA, NC

LOCATION.--Lat 35°26'03", long 81°01'48", Lincoln County, Hydrologic Unit 03050101, on right bank, 1,000 ft upstream from Forney Creek, 1.5 mi northwest of Lowesville, 1.7 mi upstream from bridge on Secondary Road 1511, and 2.4 mi northeast of Mariposa.

DRAINAGE AREA.--36.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-- October 1990 to June 1993, December 1994 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 642.20 ft above North American Vertical Datum of 1988, from levels. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Station was established to study low-flow conditions for Duke Power Co., no structure exists near the site for measuring high-stage flow; therefore, a peak flow was not determined to coincide with the peak stage for the year. Missing values on the daily values table are days when the flow exceeded the rating. Minimum discharge for current water year also occurred Sept. 21, 22, 24-26. Minimum discharges may be affected by diversions by Duke Power. No flow also occurred Aug. 14, Sept. 10-13, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	15	27	25	25	---	45	30	24	14	28	6.5
2	28	15	24	25	24	52	44	25	57	13	18	6.2
3	29	19	23	24	41	e44	37	24	34	15	15	5.8
4	28	---	22	24	42	e38	35	23	29	---	13	5.5
5	23	---	22	24	32	36	33	23	25	21	12	5.4
6	21	34	23	24	29	33	32	24	23	18	12	5.2
7	20	28	29	23	28	32	33	23	22	---	12	5.2
8	19	25	24	24	27	51	35	23	22	43	13	5.1
9	18	23	---	22	26	40	32	22	21	22	21	5.0
10	18	22	---	22	26	35	30	22	29	18	---	4.8
11	17	21	---	22	24	33	29	26	27	18	18	4.6
12	17	35	60	21	24	34	32	22	21	20	13	4.5
13	19	40	46	22	24	39	47	25	21	19	12	4.4
14	18	28	39	---	27	37	---	44	19	42	12	4.4
15	16	26	35	52	25	30	51	30	18	24	11	4.5
16	15	24	32	38	24	44	40	27	16	20	9.8	4.5
17	14	23	31	33	24	56	35	24	16	19	9.1	4.9
18	14	23	32	30	22	46	34	22	15	17	12	4.6
19	15	22	32	29	22	39	32	23	20	16	12	4.3
20	17	22	28	28	23	35	32	50	18	14	10	4.1
21	15	21	29	28	36	33	29	32	17	13	9.1	4.1
22	15	21	28	26	36	33	29	26	16	13	8.6	4.2
23	15	23	66	25	28	56	31	25	15	13	9.1	4.5
24	16	29	49	25	47	43	28	23	14	12	9.5	4.2
25	15	41	36	25	38	37	27	21	14	12	8.6	4.0
26	15	28	32	24	32	34	27	18	14	13	8.0	4.3
27	15	26	29	23	30	34	27	20	14	13	7.8	4.9
28	15	32	28	22	---	---	26	20	18	15	7.9	4.7
29	16	26	27	23	---	---	25	19	18	24	7.5	4.7
30	15	25	27	30	---	66	27	20	16	35	7.4	4.4
31	15	---	26	29	---	51	---	20	---	30	7.1	---

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1991 - 2005[@]

LOWEST DAILY MEAN	7.0	Aug 11	4.0	Sep 25	0.00	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	7.9	Aug 5	4.2	Sep 19	0.03	Sep 7, 2002
MAXIMUM PEAK STAGE			11.62	Mar 28	15.25	Apr 29, 1997
INSTANTANEOUS LOW FLOW			4.0*	Sep 20	0.00*	Aug 13, 2002

[@] See PERIOD OF RECORD.

* See REMARKS.

e Estimated.

0214269560 KILLIAN CREEK NEAR MARIPOSA, NC—Continued

