

Water-Data Report 2007

**0214269560 KILLIAN CREEK NEAR MARIPOSA, NC**

Santee Basin  
Upper Catawba Subbasin

LOCATION.--Lat 35°26'03", long 81°01'48" referenced to North American Datum of 1983, Lincoln County, NC, Hydrologic Unit 03050101, on right bank 1,000 ft. upstream from Forney Creek, 1.7 mi upstream from bridge on Secondary Road 1511, 1.5 mi northwest of Lowesville, NC and 2.4 mi northeast of Mariposa NC.

DRAINAGE AREA.--36.4 mi<sup>2</sup>.

**SURFACE-WATER 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 discharges may be affected by diversions by Duke Power. No flow also occurred August 14, September 10-13, 2002.

## 0214269560 KILLIAN CREEK NEAR MARIPOSA, NC—Continued

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

[e, estimated]

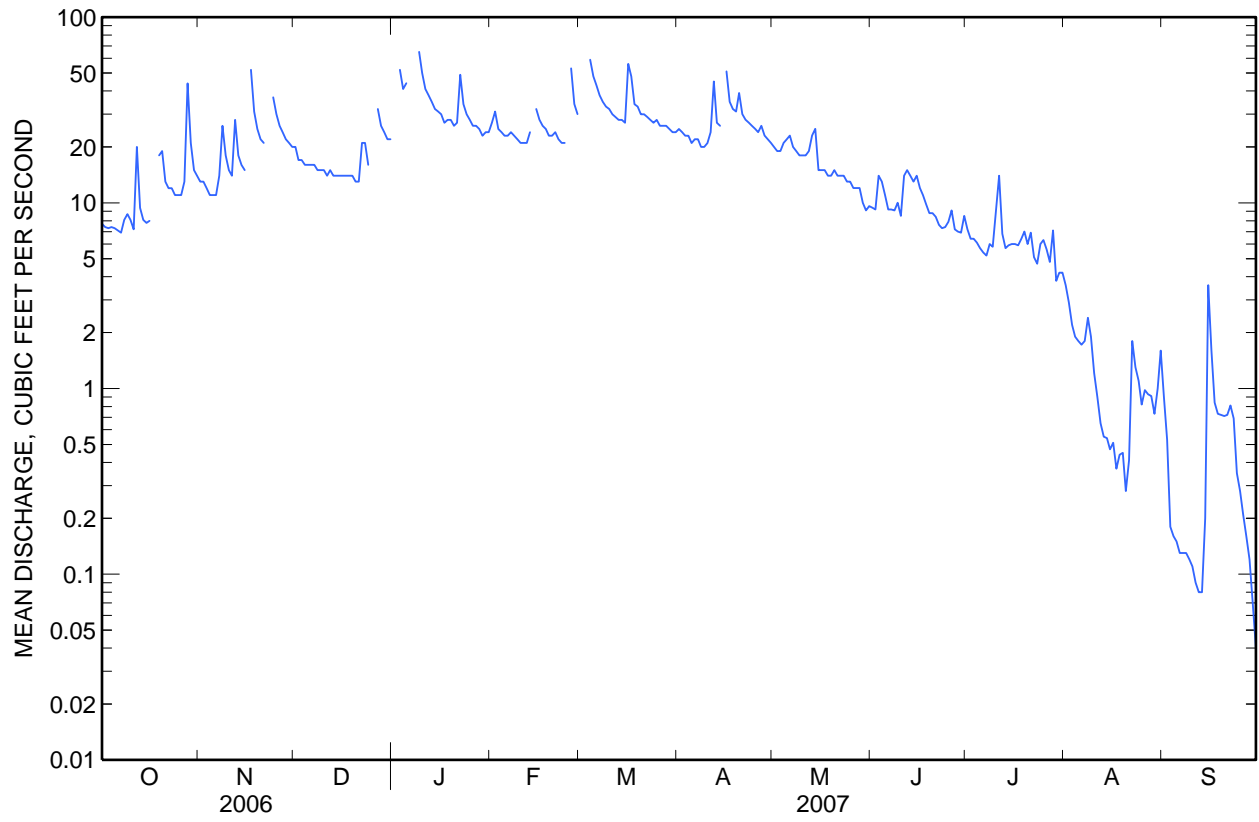
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.7	13	20	---	27	---	25	20	9.4	7.2	3.6	0.90
2	7.4	13	17	---	31	---	24	19	9.2	6.4	2.9	0.53
3	7.3	12	17	52	25	---	23	19	14	6.4	e2.2	e0.18
4	7.4	11	16	41	24	59	23	21	13	6.1	e1.9	e0.16
5	7.3	11	16	44	23	48	21	22	11	5.7	e1.8	e0.15
6	7.1	11	16	---	23	43	22	23	9.2	5.4	e1.72	e0.13
7	6.9	14	16	---	24	38	22	20	9.2	5.2	e1.8	e0.13
8	8.1	26	15	---	23	35	20	19	9.1	6.0	e2.4	e0.13
9	8.7	18	15	e65	22	33	20	18	10	5.8	e1.9	e0.12
10	8.1	15	15	50	21	32	21	18	8.5	9.0	e1.21	e0.11
11	7.2	14	14	41	21	30	24	18	14	14	e0.90	e0.09
12	20	28	15	38	21	29	45	19	15	6.8	e0.65	e0.08
13	9.4	18	14	35	24	28	27	23	14	5.7	e0.55	e0.08
14	8.1	16	14	32	---	28	26	25	13	5.9	0.54	e0.20
15	7.8	15	14	31	32	27	---	15	14	6.0	0.47	3.6
16	8.0	---	14	30	28	56	51	15	12	6.0	0.51	1.6
17	---	52	14	27	26	48	35	15	11	5.9	0.37	0.84
18	---	31	14	28	25	34	32	14	9.8	6.4	0.44	0.73
19	18	25	14	28	23	33	31	14	8.8	7.0	0.45	0.72
20	19	22	13	26	23	30	39	15	8.8	6.0	0.28	0.71
21	13	21	13	27	24	30	30	14	8.4	6.9	0.41	0.72
22	12	---	21	49	22	29	28	14	7.6	5.1	1.8	0.81
23	12	---	21	34	21	28	27	14	7.3	4.7	1.3	0.69
24	11	37	16	30	21	27	26	13	7.4	6.0	1.1	e0.35
25	11	30	---	28	---	28	25	13	7.9	6.3	0.82	e0.28
26	11	26	---	26	53	26	24	12	9.1	5.6	0.98	e0.21
27	13	24	32	26	34	26	26	12	7.2	4.8	0.93	0.16
28	44	22	26	25	30	26	23	12	7.0	7.1	0.91	0.12
29	21	21	24	23	---	25	22	10	6.9	3.8	0.73	0.07
30	15	20	22	24	---	24	21	9.1	8.5	4.2	1.0	0.04
31	14	---	22	24	---	24	---	9.6	---	4.2	1.6	---

## SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1991 - 2007 <sup>a</sup>	
<b>Lowest daily mean</b>	4.3	Aug 2	0.04	Sep 30	0.00	Aug 13, 2002
<b>Annual seven-day minimum</b>	5.4	Jul 29	0.11	Sep 7	0.03	Sep 7, 2002
<b>Maximum peak stage</b>			12.87	Mar 2	15.25	Apr 29, 1997
<b>Instantaneous low flow</b>			0.03	Sep 30	<sup>b</sup> 0.00	Aug 13, 2002

<sup>a</sup> See Period of Record.<sup>b</sup> See Remarks.

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## 0214269560 KILLIAN CREEK NEAR MARIPOSA, NC—Continued

## CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--June 2004 to current year.

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

REMARKS.--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	0.00	0.00	0.00	0.43	0.42	2.05	0.11	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.08	0.83	0.00	0.00	0.03	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.49	0.00	0.00	0.00
4	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.07	---	0.00	---	0.00
6	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.01	---	0.00	---	0.00
7	0.00	0.49	0.00	1.06	0.00	0.00	0.00	0.00	---	0.00	---	0.00
8	0.26	0.37	0.00	---	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00
9	0.03	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	1.35	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.00
11	0.93	0.65	0.00	0.00	0.00	0.00	0.66	0.00	1.21	0.00	0.00	0.00
12	0.01	0.00	0.00	0.00	0.00	0.00	0.21	0.55	0.01	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.02	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.04	0.00	0.92	0.00	0.21	0.00	0.00	0.20
15	0.00	0.69	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.01	0.00	0.01
16	0.00	0.84	0.00	0.00	0.00	1.01	0.00	0.21	0.00	0.01	0.00	0.00
17	1.81	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.58	0.00	0.00
18	0.01	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00
19	0.15	0.00	0.00	---	0.00	0.00	0.54	0.00	0.22	0.06	0.00	0.00
20	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.00
21	0.00	0.93	0.03	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
22	0.06	0.94	0.67	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.61	0.00	0.00
25	0.00	0.00	1.08	0.00	0.98	0.00	0.00	0.00	0.25	0.00	0.17	0.00
26	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
27	0.88	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.02	0.00	0.00
28	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00
29	0.00	---	0.00	0.00	---	0.02	0.00	0.00	0.13	0.00	0.33	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.49	0.52	0.00	0.00
31	0.00	---	0.17	0.00	---	0.00	---	0.00	---	0.00	0.00	---
<b>Total</b>	4.51	---	1.95	---	2.15	3.92	3.39	1.08	---	4.28	---	0.21

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