

SANTEE RIVER BASIN

0214269560 KILLIAN CREEK NEAR MARIPOSA, NC

LOCATION.--Lat 35°26'03", long 81°01'48", North American Datum of 1983, 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.

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 643.085 ft above NGVD of 1929 (levels by Duke Power Co). Satellite telemetry at station.

REMARKS.--Records 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 Aug. 14, Sept. 10-13, 2002.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|------|------|------|------|-----|-----|-----|-----|-------|-------|-------|------|
| 1 | 2.7 | 4.0 | 5.7 | e5.1 | 14 | 9.9 | 34 | 11 | 3.7 | e0.86 | e0.45 | 3.4 |
| 2 | 2.6 | 4.2 | 5.3 | e5.0 | 12 | 21 | 22 | 12 | 3.6 | e0.83 | e0.73 | 2.0 |
| 3 | 1.8 | 4.1 | 5.3 | e5.0 | 12 | 38 | 20 | 11 | e2.7 | e0.86 | e0.36 | 1.2 |
| 4 | 1.2 | 4.5 | 5.3 | e4.9 | 12 | 23 | 19 | 15 | e3.5 | e1.6 | e0.24 | 0.91 |
| 5 | 0.99 | 3.9 | 5.4 | e4.9 | 11 | 17 | 18 | 15 | e2.4 | e1.7 | e0.22 | 0.61 |
| 6 | 1.1 | 3.5 | 5.5 | e13 | 12 | 15 | 17 | 13 | e8.4 | e1.3 | e0.21 | 0.24 |
| 7 | 1.5 | 3.8 | 5.6 | e11 | 26 | 14 | 16 | 12 | e19 | e0.91 | e0.17 | 0.13 |
| 8 | 1.7 | 4.3 | 5.7 | e4.9 | 42 | 13 | 16 | 12 | e4.5 | e1.2 | e0.13 | 0.07 |
| 9 | 1.9 | 4.4 | 5.6 | e5.0 | 25 | 12 | 17 | 11 | e2.7 | e0.79 | e0.18 | 0.02 |
| 10 | 2.1 | 4.5 | 7.2 | e5.0 | 23 | 12 | 23 | 9.9 | e3.3 | e0.48 | e0.14 | 0.00 |
| 11 | 1.8 | 4.1 | 18 | e5.0 | 20 | 12 | 16 | 10 | e2.1 | e0.38 | e0.05 | 0.00 |
| 12 | 2.3 | 4.0 | 8.4 | e5.1 | 17 | 16 | 15 | 10 | e1.7 | e0.33 | e0.02 | 0.00 |
| 13 | 1.8 | 4.1 | 7.0 | e5.1 | 16 | --- | 16 | 12 | e2.0 | e0.46 | 0.00 | 0.00 |
| 14 | 2.2 | 4.4 | 6.7 | e4.9 | 15 | --- | 16 | 15 | e1.8 | e0.85 | 0.00 | 0.40 |
| 15 | 3.8 | 4.8 | 6.2 | e4.9 | 14 | 30 | 16 | 11 | e1.5 | e0.82 | 0.09 | 2.6 |
| 16 | 3.2 | 4.8 | 6.4 | e4.9 | 14 | 24 | 15 | 10 | e1.8 | e0.77 | 7.6 | 5.9 |
| 17 | e2.8 | 4.9 | 7.3 | e5.0 | 13 | 32 | 15 | 9.8 | e1.4 | e0.53 | 3.7 | 9.3 |
| 18 | e2.7 | 4.9 | 19 | 7.1 | 12 | 36 | 15 | 9.8 | e1.4 | e0.39 | 2.7 | 3.3 |
| 19 | e2.9 | 5.3 | 9.6 | 17 | 12 | 27 | 13 | 9.6 | e1.2 | e0.32 | 1.5 | 1.9 |
| 20 | e3.2 | 5.3 | 8.0 | 41 | 12 | 24 | 12 | 8.8 | e1.1 | e0.26 | 0.97 | 1.6 |
| 21 | e3.3 | e5.5 | e6.0 | 21 | 12 | 31 | 12 | 8.9 | e0.94 | e0.22 | 0.56 | 1.7 |
| 22 | e3.4 | e5.6 | e5.1 | 17 | 12 | 26 | 13 | 8.7 | e0.91 | e0.22 | 0.21 | 1.7 |
| 23 | 2.8 | e6.0 | e5.0 | --- | 11 | 22 | 12 | 8.6 | e1.2 | e0.24 | 0.13 | 1.7 |
| 24 | 3.3 | 7.9 | e6.3 | --- | 11 | 20 | 12 | 8.9 | e1.4 | e0.60 | 0.12 | 1.6 |
| 25 | 3.1 | 6.6 | e5.3 | 49 | 11 | 19 | 13 | 7.1 | e1.2 | e0.64 | 0.15 | 1.4 |
| 26 | 2.7 | 5.8 | e5.1 | 32 | 10 | 17 | 12 | 5.6 | e1.2 | e9.0 | 0.13 | 5.5 |
| 27 | 2.5 | 5.4 | e5.0 | 24 | 9.8 | 18 | 12 | 4.2 | e1.3 | e1.9 | 0.32 | 8.5 |
| 28 | 4.1 | 5.5 | e5.1 | 20 | 9.8 | 16 | 12 | 3.8 | e1.1 | e0.84 | 0.42 | 6.9 |
| 29 | 3.1 | 5.2 | e5.0 | 17 | --- | 16 | 12 | 3.4 | e0.90 | e0.68 | 0.69 | 4.5 |
| 30 | 3.5 | 5.6 | e5.0 | 16 | --- | 17 | 11 | 3.7 | e0.88 | e0.63 | 0.80 | 3.4 |
| 31 | 4.1 | --- | e5.1 | 15 | --- | 20 | --- | 7.3 | --- | e0.69 | 2.4 | --- |

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1991 - 2002[®]

LOWEST DAILY MEAN
MAXIMUM PEAK STAGE
INSTANTANEOUS LOW FLOW

.75 Aug 28

0.00 Aug 13
4.78 Jan 23
0.00* Aug 13

0.00 Aug 13 2002
15.25 Apr 29 1997
0.00* Aug 13 2002

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

0214269560 KILLIAN CREEK NEAR MARIPOSA, NC--Continued

