

TENNESSEE RIVER BASIN

03455500 WEST FORK PIGEON RIVER ABOVE LAKE LOGAN NEAR HAZELWOOD, NC

LOCATION.--Lat 35°23'46", long 82°56'17", Haywood County, Hydrologic Unit 06010106, on right bank at upstream side of bridge on Secondary Road 1216, 600 ft upstream from Big Creek, 1.1 mi upstream from Lake Logan, 6.7 mi southeast of Hazelwood, and at mile 9.3.

DRAINAGE AREA.--27.6 mi².

PERIOD OF RECORD.--February 1954 to current year.

REVISED RECORDS.--WDR NC-95-1: 1994 (M).

GAGE.--Water-stage recorder. Datum of gage is 2,976.00 ft above NGVD of 1929. Satellite and telephone telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Maximum gage height for period of record, from floodmarks. Minimum discharge for period of record also occurred Sept. 30, 1954. Minimum discharge for current water year also occurred Sept. 10, 11, 12, 13.

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 | 33 | 36 | 57 | e48 | 91 | e44 | 177 | 134 | 49 | 32 | 23 | 25 |
| 2 | 31 | 35 | 49 | e46 | 81 | 120 | 133 | 78 | 45 | 30 | 24 | 23 |
| 3 | 30 | 34 | 45 | e45 | 76 | 108 | 120 | 83 | 48 | 31 | 31 | 22 |
| 4 | 29 | 33 | 43 | e44 | 70 | e60 | 108 | 293 | 51 | 30 | 23 | 21 |
| 5 | 28 | 32 | 40 | e43 | 66 | e54 | 99 | 140 | 152 | 27 | 21 | 20 |
| 6 | 33 | 30 | 39 | 66 | 90 | 57 | 92 | 110 | 78 | 26 | 21 | 19 |
| 7 | 29 | 30 | 38 | 46 | 163 | 55 | 86 | 97 | 61 | 26 | 20 | 18 |
| 8 | 28 | 29 | 37 | e42 | 107 | 53 | 83 | 88 | 53 | 26 | 19 | 18 |
| 9 | 27 | 29 | 42 | e42 | 93 | 67 | 142 | 84 | 49 | 25 | 19 | 17 |
| 10 | 26 | 28 | 106 | e40 | 94 | 64 | 140 | 83 | 46 | 24 | 18 | 16 |
| 11 | 27 | 28 | 123 | 66 | 86 | 53 | 106 | 75 | 43 | 32 | 19 | 16 |
| 12 | 76 | 27 | 67 | 47 | 78 | 91 | 99 | 70 | 41 | 31 | 18 | 16 |
| 13 | 111 | 27 | 95 | 43 | 72 | 194 | 113 | 90 | 40 | 61 | 18 | 16 |
| 14 | 557 | 27 | 103 | 41 | 68 | 101 | 101 | 80 | 39 | 58 | 17 | 28 |
| 15 | 124 | 26 | 80 | 40 | 66 | 86 | 93 | 67 | 39 | 34 | 32 | 157 |
| 16 | 86 | 26 | 67 | 38 | 63 | 89 | 85 | 63 | 36 | 32 | 47 | 62 |
| 17 | 72 | 26 | 127 | 38 | 59 | 140 | 96 | 60 | 36 | 28 | 28 | 39 |
| 18 | 64 | 26 | 143 | 40 | 56 | 124 | 88 | 155 | 34 | 26 | 24 | 31 |
| 19 | 58 | 26 | 92 | 230 | 56 | 105 | 80 | 84 | 32 | 25 | 33 | 29 |
| 20 | 54 | 26 | 78 | 154 | 66 | 115 | 75 | 75 | 31 | 25 | 33 | 51 |
| 21 | 51 | 25 | 70 | 126 | 60 | 145 | 71 | 70 | 31 | 24 | 23 | 265 |
| 22 | 48 | 24 | 64 | 95 | 55 | 108 | 68 | 67 | 29 | 23 | 21 | 261 |
| 23 | 46 | 26 | 82 | 375 | 53 | 94 | 63 | 63 | 40 | 30 | 21 | 133 |
| 24 | 45 | 102 | 92 | 224 | 50 | 87 | 62 | 59 | 36 | 32 | 19 | 79 |
| 25 | 48 | 286 | 68 | 309 | 49 | 81 | 87 | 56 | 33 | 82 | 33 | 95 |
| 26 | 42 | 63 | 61 | 170 | 49 | 122 | 64 | 63 | 54 | 45 | 27 | 458 |
| 27 | 40 | 55 | e57 | 138 | 44 | 110 | 61 | 73 | 77 | 40 | 77 | 1310 |
| 28 | 39 | 47 | 55 | 120 | e45 | 90 | 62 | 61 | 43 | 30 | 45 | 281 |
| 29 | 38 | 43 | 53 | 109 | --- | 83 | 57 | 53 | 37 | 27 | 30 | 178 |
| 30 | 38 | 96 | 51 | 98 | --- | 174 | 54 | 51 | 33 | 25 | 27 | 135 |
| 31 | 36 | --- | e49 | 93 | --- | 203 | --- | 49 | --- | 24 | 25 | --- |
| TOTAL | 1994 | 1348 | 2173 | 3056 | 2006 | 3077 | 2765 | 2674 | 1416 | 1011 | 836 | 3839 |
| MEAN | 64.32 | 44.93 | 70.10 | 98.58 | 71.64 | 99.26 | 92.17 | 86.26 | 47.20 | 32.61 | 26.97 | 128.0 |
| MAX | 557 | 286 | 143 | 375 | 163 | 203 | 177 | 293 | 152 | 82 | 77 | 1310 |
| MIN | 26 | 24 | 37 | 38 | 44 | 44 | 54 | 49 | 29 | 23 | 17 | 16 |
| CFSM | 2.33 | 1.63 | 2.54 | 3.57 | 2.60 | 3.60 | 3.34 | 3.13 | 1.71 | 1.18 | 0.98 | 4.64 |
| IN. | 2.69 | 1.82 | 2.93 | 4.12 | 2.70 | 4.15 | 3.73 | 3.60 | 1.91 | 1.36 | 1.13 | 5.17 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2002, BY WATER YEAR (WY)

| | MEAN | 71.40 | 87.62 | 108.4 | 127.5 | 152.3 | 163.9 | 141.7 | 106.8 | 81.66 | 57.80 | 57.60 | 56.72 |
|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MAX | 229 | 301 | 234 | 272 | 355 | 312 | 291 | 289 | 213 | 207 | 187 | 260 | |
| (WY) | 1965 | 1980 | 1962 | 1998 | 1966 | 1975 | 1983 | 1976 | 1967 | 1967 | 1994 | 1979 | |
| MIN | 13.5 | 26.8 | 29.7 | 34.0 | 68.7 | 53.8 | 47.8 | 49.2 | 30.8 | 23.3 | 16.4 | 13.0 | |
| (WY) | 1955 | 1979 | 1966 | 1981 | 1968 | 1988 | 1986 | 2001 | 1988 | 1993 | 1998 | 1954 | |

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1954 - 2002

| | | | |
|--------------------------|-------|--------|-------|
| ANNUAL TOTAL | 25151 | 26195 | |
| ANNUAL MEAN | 68.91 | 71.77 | 101.3 |
| HIGHEST ANNUAL MEAN | | | 143 |
| LOWEST ANNUAL MEAN | | | 59.6 |
| HIGHEST DAILY MEAN | 681 | Jan 19 | 4500 |
| LOWEST DAILY MEAN | 24 | Jul 23 | 10 |
| ANNUAL SEVEN-DAY MINIMUM | 26 | Nov 16 | 11 |
| MAXIMUM PEAK FLOW | | | 2260 |
| MAXIMUM PEAK STAGE | | | 5.19 |
| INSTANTANEOUS LOW FLOW | | | 16* |
| ANNUAL RUNOFF (CFSM) | 2.50 | | 2.60 |
| ANNUAL RUNOFF (INCHES) | 33.90 | | 35.31 |
| 10 PERCENT EXCEEDS | 122 | | 125 |
| 50 PERCENT EXCEEDS | 49 | | 53 |
| 90 PERCENT EXCEEDS | 28 | | 25 |

e Estimated.
* See REMARKS.

03455500 WEST FORK PIGEON RIVER ABOVE LAKE LOGAN NEAR HAZELWOOD, NC--Continued

