

## 02133624 LUMBER RIVER NEAR MAXTON, NC

LOCATION.--Lat 34°46'23", long 79°19'54", Robeson County, Hydrologic Unit 03040203, at downstream side of bridge, near right center of span, on State Highway 71, 2.6 mi north of Maxton, and 7.5 mi upstream from Gum Swamp.

DRAINAGE AREA.--365 mi<sup>2</sup>.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1974, 1980-85. June 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 180 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor. Minimum discharge for period of also occurred on Aug. 14, 2002.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

| DAY   | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1     | e150   | 449    | 398    | 998    | 450    | 1,150  | 932    | 789    | 1,230  | 497    | 601    | 631    |
| 2     | e130   | 472    | 369    | 930    | 519    | 1,220  | 937    | 786    | 1,160  | 697    | 860    | 643    |
| 3     | 123    | 472    | 339    | 864    | 568    | 1,300  | 947    | 787    | 1,120  | 874    | 949    | 608    |
| 4     | 112    | 426    | 323    | 807    | 597    | 1,350  | 981    | 926    | 1,070  | 1,150  | 894    | 565    |
| 5     | 105    | 317    | 341    | 766    | 622    | 1,360  | 982    | 793    | 1,130  | 1,460  | 1,010  | 587    |
| 6     | 101    | 284    | 377    | 754    | 627    | 1,360  | 949    | 785    | 1,210  | 1,380  | 1,050  | 688    |
| 7     | 96     | 292    | 458    | 755    | 639    | 1,320  | 911    | 821    | 1,110  | 1,270  | 1,230  | 1,110  |
| 8     | 88     | 335    | 571    | 763    | 606    | 1,370  | 859    | 933    | 1,000  | 1,080  | 1,350  | 1,320  |
| 9     | 88     | 374    | 645    | 757    | 634    | 1,410  | 877    | 1,070  | 907    | 870    | 1,450  | 1,250  |
| 10    | 92     | 407    | 681    | 733    | 693    | 1,470  | 1,020  | 1,120  | 845    | 713    | 1,520  | 1,130  |
| 11    | 113    | 436    | 749    | 686    | 720    | 1,530  | 1,240  | 1,230  | 840    | 587    | 1,670  | 1,110  |
| 12    | 153    | 452    | 780    | 633    | 775    | 1,430  | 1,550  | 1,170  | 857    | 473    | 2,370  | 1,100  |
| 13    | 245    | 487    | 787    | 588    | 849    | 1,270  | 2,050  | 1,010  | 922    | 414    | 2,780  | 994    |
| 14    | 365    | 580    | 775    | 535    | 869    | 1,140  | 2,330  | 871    | 1,170  | 447    | 2,400  | 854    |
| 15    | 513    | 728    | 746    | 490    | 857    | 1,060  | 2,160  | 754    | 1,270  | 531    | 1,880  | 759    |
| 16    | 848    | 799    | 779    | 462    | 829    | 1,060  | 1,730  | 671    | 1,090  | 632    | 1,730  | 680    |
| 17    | 1,120  | 902    | 799    | 453    | 812    | 1,050  | 1,420  | 589    | 967    | 749    | 1,940  | 619    |
| 18    | 1,150  | 973    | 822    | 441    | 774    | 1,070  | 1,250  | 527    | 968    | 928    | 1,740  | 629    |
| 19    | 1,080  | 997    | 882    | 449    | 784    | 1,070  | 1,140  | 498    | 1,070  | 864    | 1,570  | 755    |
| 20    | 938    | 1,010  | 927    | 444    | 786    | 1,130  | 1,070  | 498    | 1,340  | 730    | 1,460  | 928    |
| 21    | 807    | 982    | 904    | 421    | 804    | 1,190  | 1,020  | 524    | 1,390  | 670    | 1,490  | 1,320  |
| 22    | 676    | 983    | 866    | 426    | 848    | 1,250  | 980    | 570    | 1,340  | 667    | 1,480  | 1,480  |
| 23    | 552    | 992    | 835    | 421    | 899    | 1,300  | 941    | 692    | 1,230  | 592    | 1,380  | 1,540  |
| 24    | 461    | 960    | 817    | 425    | 935    | 1,360  | 919    | 856    | 1,080  | 555    | 1,240  | 1,520  |
| 25    | 448    | 881    | 836    | 413    | 970    | 1,430  | 897    | 1,050  | 960    | 551    | 1,150  | 1,410  |
| 26    | 457    | 769    | 865    | 413    | 963    | 1,370  | 883    | 1,260  | 863    | 515    | 1,040  | 1,250  |
| 27    | 427    | 651    | 940    | 400    | 1,010  | 1,230  | 862    | 1,550  | 771    | 469    | 902    | 1,110  |
| 28    | 351    | 551    | 957    | 373    | 1,090  | 1,100  | 847    | 1,750  | 672    | 441    | 795    | 1,060  |
| 29    | 311    | 482    | 946    | 364    | ---    | 1,010  | 826    | 1,480  | 585    | 399    | 741    | 1,050  |
| 30    | 329    | 435    | 975    | 378    | ---    | 960    | 801    | 1,300  | 506    | 383    | 699    | 973    |
| 31    | 394    | ---    | 1,000  | 399    | ---    | 938    | ---    | 1,240  | ---    | 437    | 662    | ---    |
| TOTAL | 12,823 | 18,878 | 22,489 | 17,741 | 21,529 | 38,258 | 34,311 | 28,900 | 30,673 | 22,025 | 42,033 | 29,673 |
| MEAN  | 414    | 629    | 725    | 572    | 769    | 1,234  | 1,144  | 932    | 1,022  | 710    | 1,356  | 989    |
| MAX   | 1,150  | 1,010  | 1,000  | 998    | 1,090  | 1,530  | 2,330  | 1,750  | 1,390  | 1,460  | 2,780  | 1,540  |
| MIN   | 88     | 284    | 323    | 364    | 450    | 938    | 801    | 498    | 506    | 383    | 601    | 565    |
| CFSM  | 1.13   | 1.72   | 1.99   | 1.57   | 2.11   | 3.38   | 3.13   | 2.55   | 2.80   | 1.95   | 3.71   | 2.71   |
| IN.   | 1.31   | 1.92   | 2.29   | 1.81   | 2.19   | 3.90   | 3.50   | 2.95   | 3.13   | 2.24   | 4.28   | 3.02   |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2003, BY WATER YEAR (WY)

|      |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 391    | 418    | 463    | 609    | 639    | 695    | 596    | 395    | 333    | 306    | 330    | 369    |
| MAX  | 827    | 661    | 725    | 926    | 1,205  | 1,267  | 1,144  | 932    | 1,022  | 710    | 1,356  | 989    |
| (WY) | (2000) | (1996) | (2003) | (1998) | (1998) | (1998) | (2003) | (2003) | (2003) | (2003) | (2003) | (2003) |
| MIN  | 184    | 166    | 220    | 364    | 300    | 363    | 303    | 135    | 67.6   | 63.2   | 51.5   | 130    |
| (WY) | (1988) | (2002) | (2002) | (1992) | (1992) | (1992) | (1992) | (2002) | (2002) | (2002) | (2002) | (1990) |

SUMMARY STATISTICS

|                          | FOR 2002 CALENDAR YEAR |        | FOR 2003 WATER YEAR |        | WATER YEARS 1987 - 2003 |              |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL             | 123,792                |        | 319,333             |        |                         |              |
| ANNUAL MEAN              | 339                    |        | 875                 |        | 462                     |              |
| HIGHEST ANNUAL MEAN      |                        |        |                     |        | 875                     |              |
| LOWEST ANNUAL MEAN       |                        |        |                     |        | 243                     |              |
| HIGHEST DAILY MEAN       | 1,560                  | Jan 27 | 2,780               | Aug 13 | 3,070                   | Mar 22, 1998 |
| LOWEST DAILY MEAN        | 28                     | Aug 13 | 88                  | Oct 8  | 28                      | Aug 13, 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 32                     | Aug 10 | 97                  | Oct 4  | 32                      | Aug 10, 2002 |
| MAXIMUM PEAK FLOW        |                        |        | 2,860               | Aug 13 | 3,380                   | Mar 22, 1998 |
| MAXIMUM PEAK STAGE       |                        |        | 12.98               | Aug 13 | 13.52                   | Mar 22, 1998 |
| INSTANTANEOUS LOW FLOW   |                        |        | 85                  | Oct 9  | 27*                     | Aug 13, 2002 |
| ANNUAL RUNOFF (CFSM)     | 0.93                   |        | 2.40                |        | 1.27                    |              |
| ANNUAL RUNOFF (INCHES)   | 12.62                  |        | 32.55               |        | 17.20                   |              |
| 10 PERCENT EXCEEDS       | 811                    |        | 1,370               |        | 868                     |              |
| 50 PERCENT EXCEEDS       | 245                    |        | 857                 |        | 402                     |              |
| 90 PERCENT EXCEEDS       | 54                     |        | 404                 |        | 154                     |              |

e Estimated.

\* See REMARKS.

02133624 LUMBER RIVER NEAR MAXTON, NC—Continued

