

## PEE DEE RIVER BASIN

02133624 LUMBER RIVER NEAR MAXTON, NC

LOCATION.--Lat 34°46'22", long 79°19'55", 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 sea level, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

| DAY   | OCT  | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY  | JUN   | JUL  | AUG  | SEP  |
|-------|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| 1     | 547  | 172   | 722   | 426   | 381   | 495   | 695   | 323  | 515   | 392  | 141  | 127  |
| 2     | 487  | 171   | 702   | 398   | 388   | 462   | 719   | 283  | 531   | 296  | 132  | 139  |
| 3     | 421  | 174   | 641   | 378   | 388   | 436   | 758   | 262  | 556   | 240  | 124  | 164  |
| 4     | 327  | 180   | 553   | 365   | 380   | 454   | 1090  | 244  | 595   | 209  | 117  | 170  |
| 5     | 275  | 188   | 489   | 358   | 376   | 478   | 1530  | 237  | 611   | 208  | 114  | 168  |
| 6     | 249  | 180   | 485   | 355   | 360   | 522   | 1320  | 222  | 671   | 200  | 102  | 179  |
| 7     | 232  | 195   | 491   | 361   | 362   | 548   | 1000  | 201  | 714   | 199  | 88   | 186  |
| 8     | 222  | 208   | 473   | 363   | 360   | 562   | 780   | 186  | 595   | 235  | 86   | 173  |
| 9     | 211  | 212   | 443   | 367   | 348   | 576   | 690   | 178  | 343   | 271  | 85   | 157  |
| 10    | 200  | 214   | 430   | 378   | 338   | 564   | 631   | 171  | 274   | 277  | 91   | 147  |
| 11    | 197  | 215   | 412   | 391   | 336   | 516   | 576   | 168  | 249   | 295  | 98   | 139  |
| 12    | 195  | 221   | 395   | 399   | 342   | 439   | 527   | 166  | 227   | 314  | 97   | 149  |
| 13    | 195  | 216   | 391   | 402   | 389   | 404   | 487   | 165  | 227   | 267  | 101  | 230  |
| 14    | 195  | 222   | 387   | 405   | 463   | 396   | 457   | 161  | 226   | 206  | 112  | 246  |
| 15    | 193  | 251   | 379   | 398   | 512   | 439   | 417   | 151  | 295   | 178  | 160  | 199  |
| 16    | 187  | 301   | 381   | 384   | 526   | 498   | 388   | 147  | 393   | 160  | 202  | 162  |
| 17    | 182  | 344   | 431   | 377   | 567   | 565   | 370   | 191  | 492   | 142  | 195  | 140  |
| 18    | 182  | 373   | 436   | 374   | 584   | 614   | 367   | 357  | 576   | 131  | 173  | 123  |
| 19    | 181  | 418   | 460   | 365   | 615   | 618   | 353   | 488  | 699   | 122  | 210  | 113  |
| 20    | 180  | 457   | 484   | 398   | 633   | 627   | 336   | 550  | 748   | 116  | 290  | 107  |
| 21    | 178  | 465   | 508   | 444   | 630   | 642   | 326   | 565  | 686   | 119  | 338  | 104  |
| 22    | 180  | 507   | 540   | 507   | 647   | 626   | 314   | 570  | 579   | 119  | 328  | 120  |
| 23    | 177  | 528   | 557   | 533   | 657   | 632   | 296   | 554  | 380   | 112  | 282  | 165  |
| 24    | 173  | 532   | 557   | 534   | 640   | 650   | 280   | 393  | 313   | 107  | 215  | 195  |
| 25    | 174  | 569   | 528   | 538   | 609   | 650   | 296   | 280  | 400   | 114  | 175  | 321  |
| 26    | 176  | 609   | 462   | 526   | 568   | 667   | 339   | 241  | 485   | 127  | 155  | 443  |
| 27    | 177  | 615   | 420   | 477   | 542   | 669   | 393   | 223  | 498   | 147  | 141  | 607  |
| 28    | 179  | 689   | 416   | 420   | 524   | 653   | 424   | 249  | 499   | 176  | 127  | 695  |
| 29    | 184  | 712   | 422   | 381   | ---   | 635   | 422   | 303  | 447   | 177  | 123  | 635  |
| 30    | 179  | 713   | 437   | 367   | ---   | 599   | 392   | 411  | 411   | 164  | 118  | 532  |
| 31    | 173  | ---   | 440   | 366   | ---   | 628   | ---   | 480  | ---   | 148  | 119  | ---  |
| TOTAL | 7008 | 10851 | 14872 | 12735 | 13465 | 17264 | 16973 | 9120 | 14235 | 5968 | 4839 | 7035 |
| MEAN  | 226  | 362   | 480   | 411   | 481   | 557   | 566   | 294  | 474   | 193  | 156  | 234  |
| MAX   | 547  | 713   | 722   | 538   | 657   | 669   | 1530  | 570  | 748   | 392  | 338  | 695  |
| MIN   | 173  | 171   | 379   | 355   | 336   | 396   | 280   | 147  | 226   | 107  | 85   | 104  |
| CFSM  | .62  | .99   | 1.31  | 1.13  | 1.32  | 1.53  | 1.55  | .81  | 1.30  | .53  | .43  | .64  |
| IN.   | .71  | 1.11  | 1.52  | 1.30  | 1.37  | 1.76  | 1.73  | .93  | 1.45  | .61  | .49  | .72  |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2001, BY WATER YEAR (WY)

|      | 400  | 421  | 461  | 612  | 640  | 678  | 574  | 375  | 304  | 295  | 280  | 343  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| MEAN | 400  | 421  | 461  | 612  | 640  | 678  | 574  | 375  | 304  | 295  | 280  | 343  |
| MAX  | 827  | 661  | 650  | 926  | 1205 | 1267 | 1106 | 769  | 575  | 690  | 577  | 915  |
| (WY) | 2000 | 1996 | 1990 | 1998 | 1998 | 1998 | 1998 | 1989 | 1995 | 1995 | 1989 | 1996 |
| MIN  | 184  | 267  | 282  | 364  | 300  | 363  | 303  | 202  | 135  | 147  | 132  | 130  |
| (WY) | 1988 | 1992 | 1992 | 1992 | 1992 | 1992 | 1992 | 1994 | 1988 | 1990 | 1999 | 1990 |

| SUMMARY STATISTICS       | FOR 2000 CALENDAR YEAR | FOR 2001 WATER YEAR | WATER YEARS 1987 - 2001 |
|--------------------------|------------------------|---------------------|-------------------------|
| ANNUAL TOTAL             | 159420                 | 134365              |                         |
| ANNUAL MEAN              | 436                    | 368                 | 448                     |
| HIGHEST ANNUAL MEAN      |                        |                     | 640                     |
| LOWEST ANNUAL MEAN       |                        |                     | 283                     |
| HIGHEST DAILY MEAN       | 1340                   | Feb 17              | 5307                    |
| LOWEST DAILY MEAN        | 121                    | Aug 24              | 75                      |
| ANNUAL SEVEN-DAY MINIMUM | 128                    | Aug 20              | 79                      |
| MAXIMUM PEAK FLOW        |                        | 1580                | Apr 5                   |
| MAXIMUM PEAK STAGE       |                        | 10.63               | Apr 5                   |
| INSTANTANEOUS LOW FLOW   |                        | 84                  | Aug 9                   |
| ANNUAL RUNOFF (CFSM)     | 1.19                   | 1.01                | 1.23                    |
| ANNUAL RUNOFF (INCHES)   | 16.25                  | 13.69               | 16.68                   |
| 10 PERCENT EXCEEDS       | 843                    | 629                 | 789                     |
| 50 PERCENT EXCEEDS       | 409                    | 365                 | 393                     |
| 90 PERCENT EXCEEDS       | 178                    | 141                 | 162                     |

02133624 LUMBER RIVER NEAR MAXTON, NC--Continued

