

## PEE DEE RIVER BASIN

701

0212427947 REEDY CREEK AT SECONDARY ROAD 2803 NEAR CHARLOTTE, NC

LOCATION--Lat 35°15'23", long 80°42'02", Mecklenburg County, Hydrologic Unit 03040105, on right downstream wingwall on Secondary Road 2803, 3.8 mi southeast of the University of North Carolina at Charlotte.

DRAINAGE AREA--2.50 mi<sup>2</sup>.

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 637.45 ft, North American Vertical Datum of 1988, from levels. Radio telemetry at station.

REMARKS.--Records poor. No flow also occurred July 31, Aug. 1, 7, 10, 11, 2002. Minimum discharge for current water year also occurred Sept. 24.

**DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

| DAY   | OCT   | NOV   | DEC   | JAN  | FEB  | MAR   | APR   | MAY  | JUN   | JUL    | AUG   | SEP   |
|-------|-------|-------|-------|------|------|-------|-------|------|-------|--------|-------|-------|
| 1     | e2.0  | 0.39  | 1.2   | 1.2  | 1.5  | 5.4   | 5.2   | 2.5  | 3.5   | e40    | 3.7   | 0.68  |
| 2     | 1.4   | 0.40  | 1.0   | 1.2  | 1.5  | 3.2   | 4.8   | 1.4  | 13    | 7.7    | 2.0   | 0.68  |
| 3     | 1.3   | 0.43  | 0.94  | 1.2  | 5.1  | e2.5  | 3.4   | 1.4  | 3.3   | 9.2    | 1.9   | 0.67  |
| 4     | 1.1   | 4.6   | 0.90  | 1.2  | e2.9 | 2.0   | 2.8   | 1.4  | 1.9   | 5.8    | 1.5   | 0.65  |
| 5     | 0.85  | 1.5   | 0.84  | 1.5  | e2.3 | 1.7   | 2.6   | 1.3  | 1.5   | 2.0    | 1.2   | 0.65  |
| 6     | 0.75  | 0.88  | 2.1   | 1.4  | e2.0 | 1.4   | 2.4   | 1.5  | 1.3   | 1.3    | 1.1   | 0.63  |
| 7     | 0.66  | 0.79  | 2.1   | 1.3  | e1.9 | 1.7   | 2.7   | 1.4  | 1.2   | 15     | 1.1   | 0.65  |
| 8     | 0.60  | 0.70  | 1.3   | 1.2  | e1.8 | 7.4   | 2.6   | 1.3  | 1.1   | 5.6    | 1.5   | 0.70  |
| 9     | 0.57  | 0.67  | 1.6   | 1.2  | e1.8 | 2.9   | 2.1   | 1.2  | 1.1   | 3.0    | 1.9   | 0.63  |
| 10    | 0.51  | 0.66  | 11    | 1.2  | e2.0 | 2.2   | 1.8   | 1.3  | 1.0   | 2.3    | 1.2   | 0.55  |
| 11    | 0.48  | 0.68  | 3.4   | 1.3  | e1.7 | 1.9   | 1.8   | 1.5  | 0.93  | 3.7    | 1.0   | 0.47  |
| 12    | 0.52  | 1.9   | 2.3   | 1.3  | e1.5 | 1.8   | 6.4   | 2.9  | 0.87  | 3.0    | 0.99  | 0.47  |
| 13    | 4.0   | 1.2   | 1.9   | 1.3  | e1.5 | 1.8   | 13    | 3.2  | 0.86  | 2.0    | 7.4   | 0.48  |
| 14    | 0.83  | 0.79  | 1.6   | 13   | e2.7 | 2.0   | 15    | 2.0  | 0.84  | 1.8    | 3.7   | 0.46  |
| 15    | 0.70  | 0.76  | 1.5   | 2.6  | 2.2  | 1.7   | 5.4   | 1.8  | 0.77  | 1.6    | 1.3   | 0.43  |
| 16    | 0.60  | 0.80  | 1.5   | 2.0  | 2.1  | e4.6  | 3.7   | 1.7  | 0.76  | 1.5    | 1.1   | 1.7   |
| 17    | 0.56  | 0.79  | 1.5   | 1.8  | 2.0  | e6.0  | 2.8   | 1.6  | 0.74  | 1.4    | 3.3   | 0.76  |
| 18    | 0.57  | 0.81  | 1.5   | 1.6  | 1.8  | e3.7  | 2.2   | 1.7  | 0.69  | 4.4    | 1.4   | 0.43  |
| 19    | 0.60  | 0.79  | 1.6   | 1.6  | 1.7  | e2.9  | 2.1   | 1.7  | 0.68  | 1.8    | 1.2   | 0.34  |
| 20    | 0.59  | 0.79  | 1.5   | 1.6  | 1.9  | e2.4  | 2.1   | 3.6  | 0.66  | 0.88   | 1.1   | 0.32  |
| 21    | 0.55  | 0.77  | 1.4   | 1.5  | 2.9  | e2.2  | 2.0   | 2.2  | 0.62  | 0.80   | 0.98  | 0.31  |
| 22    | 0.55  | 0.76  | 1.4   | 1.4  | 2.3  | e3.6  | 2.2   | 1.6  | 0.56  | 12     | 1.1   | 0.32  |
| 23    | 0.52  | 1.1   | 2.9   | 1.4  | 2.0  | 9.6   | 2.4   | 1.4  | 0.51  | 3.3    | 0.97  | 0.32  |
| 24    | 0.66  | 2.3   | 1.7   | 1.7  | e4.3 | 4.3   | 1.9   | 1.3  | 0.60  | 1.3    | 0.91  | 0.31  |
| 25    | 0.53  | 1.9   | 1.4   | 1.4  | e2.6 | 3.1   | 1.8   | 1.2  | 0.72  | 1.1    | 0.85  | 0.32  |
| 26    | 0.50  | 0.97  | 1.3   | 1.6  | e2.1 | 2.7   | 1.6   | 1.1  | 3.5   | 0.98   | 0.84  | 0.34  |
| 27    | 0.50  | 1.9   | 1.2   | 1.4  | e2.2 | 2.8   | 1.6   | 1.2  | 1.3   | 0.89   | 0.81  | 0.35  |
| 28    | 0.71  | 3.4   | 1.2   | 1.3  | 18   | 22    | 1.5   | 1.1  | 3.2   | 1.2    | 0.80  | 0.32  |
| 29    | 0.56  | 1.3   | 1.2   | 1.4  | ---  | 6.3   | 1.5   | 1.1  | 1.4   | 5.0    | 0.73  | 0.34  |
| 30    | 0.85  | 1.1   | 1.2   | 2.4  | ---  | 4.0   | 1.8   | 1.3  | 2.0   | 17     | 0.79  | 0.35  |
| 31    | 0.45  | ---   | 1.2   | 1.7  | ---  | 6.8   | ---   | 1.3  | ---   | 16     | 0.77  | ---   |
| TOTAL | 25.57 | 35.83 | 57.38 | 57.9 | 78.3 | 126.6 | 103.2 | 51.2 | 51.11 | 173.55 | 49.14 | 15.63 |
| MEAN  | 0.82  | 1.19  | 1.85  | 1.87 | 2.80 | 4.08  | 3.44  | 1.65 | 1.70  | 5.60   | 1.59  | 0.52  |
| MAX   | 4.0   | 4.6   | 11    | 13   | 18   | 22    | 15    | 3.6  | 13    | 40     | 7.4   | 1.7   |
| MIN   | 0.45  | 0.39  | 0.84  | 1.2  | 1.5  | 1.4   | 1.5   | 1.1  | 0.51  | 0.80   | 0.73  | 0.31  |
| IN    | 0.38  | 0.53  | 0.85  | 0.86 | 1.17 | 1.88  | 1.54  | 0.76 | 0.76  | 2.58   | 0.73  | 0.23  |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005 BY WATER YEAR (WY)

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0212427947 REEDY CREEK AT SECONDARY ROAD 2803 NEAR CHARLOTTE, NC—Continued

| SUMMARY STATISTICS       | FOR 2004 CALENDAR YEAR | FOR 2005 WATER YEAR | WATER YEARS 2002 - 2005 |
|--------------------------|------------------------|---------------------|-------------------------|
| ANNUAL TOTAL             | 693.19                 | 825.41              |                         |
| ANNUAL MEAN              | 1.89                   | 2.26                |                         |
| HIGHEST ANNUAL MEAN      |                        |                     | 5.63                    |
| LOWEST ANNUAL MEAN       |                        |                     | 0.56                    |
| HIGHEST DAILY MEAN       | 75                     | Sep 28              | 150                     |
| LOWEST DAILY MEAN        | 0.19                   | Aug 10              | 0.00                    |
| ANNUAL SEVEN-DAY MINIMUM | 0.31                   | Jul 4               | 0.01                    |
| MAXIMUM PEAK FLOW        |                        | NOT DETERMINED      | NOT DETERMINED          |
| MAXIMUM PEAK STAGE       |                        | 7.81 Jul 1          | 8.13 Jul 17, 2003       |
| INSTANTANEOUS LOW FLOW   |                        | 0.26* Sep 19        | 0.00* Jul 30, 2002      |
| ANNUAL RUNOFF (INCHES)   | 10.31                  | 12.28               | 13.99                   |
| 10 PERCENT EXCEEDS       | 2.9                    | 3.8                 | 4.3                     |
| 50 PERCENT EXCEEDS       | 0.97                   | 1.4                 | 0.99                    |
| 90 PERCENT EXCEEDS       | 0.45                   | 0.57                | 0.14                    |

\* See REMARKS.

e Estimated.

