## 0214295600 PAW CREEK AT WILKINSON BOULEVARD NEAR CHARLOTTE, NC

LOCATION.--Lat 35°14'25", long 80°58'28", Mecklenburg County, Hydrologic Unit 03050101, on left bank on downstream side of culvert at U.S. Highway 74, 0.7 mi downstream of Interstate Highway 85, and 2.5 mi northwest of airport in Charlotte.

DRAINAGE AREA.--10.8 mi$^2$.

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 568.92 ft above NGVD of 1929 (Mecklenburg County benchmark). Prior to October 1, 1999 at same site at datum 570.92 ft. Radio telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred Sept. 24, 2002. Minimum discharge for water year also occurred Aug. 11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.9 | 2.9 | 2.5 | 2.4 | 2.5 | 20 | 21 | 7.2 | 2.1 | 5.1 | 14 | 3.6 |
| 2 | 2.8 | 3.0 | 2.5 | 2.3 | 2.8 | 13 | 6.6 | 29 | 1.5 | 4.4 | 9.1 | 2.9 |
| 3 | 2.7 | 3.0 | 2.6 | 2.5 | 24 | 8.4 | 5.3 | e10 | 1.3 | 3.6 | 4.0 | 2.1 |
| 4 | 2.4 | 3.0 | 2.8 | 2.6 | 8.9 | 6.8 | 4.6 | 4.9 | 1.5 | 3.5 | 1.5 | 2.0 |
| 5 | 2.2 | 3.2 | 4.9 | 13 | 6.7 | 6.0 | 4.1 | 3.7 | 1.4 | 3.0 | 1.3 | 1.9 |
| 6 | 2.2 | 3.2 | 2.8 | 6.4 | 93 | 6.0 | 3.8 | 3.2 | 1.2 | 6.3 | 1.6 | 4.4 |
| 7 | 3.5 | 3.0 | 2.3 | 3.3 | 32 | 5.3 | 3.7 | 2.8 | 5.9 | 3.6 | 0.97 | 122 |
| 8 | 4.9 | 3.0 | 2.4 | 2.6 | 10 | 4.8 | 3.9 | 2.8 | 4.0 | 3.3 | 0.91 | 135 |
| 9 | 4.9 | 3.0 | 2.3 | 3.2 | 7.8 | 4.8 | 3.6 | 2.8 | 2.9 | 3.1 | 0.82 | 15 |
| 10 | 2.6 | 3.0 | 31 | 3.1 | 6.3 | 4.6 | 3.4 | 4.5 | e1.7 | 5.2 | 0.74 | 7.7 |
| 11 | 20 | 2.9 | 10 | 2.3 | 5.5 | 3.9 | 3.3 | 2.4 | e1.4 | e22 | 0.79 | 5.5 |
| 12 | 4.0 | 2.9 | 3.7 | 2.6 | 27 | 4.1 | 14 | 3.0 | e5.0 | e6.3 | 34 | 4.1 |
| 13 | 3.5 | 2.8 | 6.8 | 2.4 | 11 | 3.8 | 43 | 2.4 | e20 | 3.5 | 25 | 3.4 |
| 14 | 3.2 | 2.6 | 55 | 2.4 | 9.3 | 3.5 | 11 | 2.2 | e90 | 3.0 | 90 | 3.3 |
| 15 | 3.1 | 3.0 | 9.9 | 2.6 | 11 | 3.9 | 6.7 | 2.1 | 19 | 2.7 | 10 | 2.9 |
| 16 | 3.1 | 2.9 | 6.2 | 2.5 | 9.0 | 6.8 | 5.4 | 2.0 | 8.2 | 2.4 | 6.0 | 2.7 |
| 17 | 3.1 | 2.8 | 10 | 2.4 | 6.4 | 4.6 | 5.0 | 2.1 | 4.3 | 73 | 4.1 | 46 |
| 18 | 3.1 | 2.9 | 5.6 | 5.7 | 6.2 | 4.7 | 4.2 | 2.0 | 3.1 | 67 | 3.3 | 9.2 |
| 19 | 3.0 | 13 | 4.3 | 3.1 | 5.9 | 7.0 | 4.1 | 1.9 | 2.6 | 6.8 | 2.8 | 4.8 |
| 20 | 2.9 | 3.6 | 3.5 | 2.5 | 5.3 | 4.3 | 3.6 | 1.8 | 2.0 | 3.9 | 2.5 | 4.0 |
| 21 | 3.0 | 3.0 | 3.6 | 2.6 | 5.5 | 5.1 | 3.6 | 1.8 | 76 | 2.7 | 5.0 | 3.1 |
| 22 | 2.9 | 2.7 | 3.5 | 2.6 | 4.5 | 4.2 | e3.7 | 1.8 | 8.2 | 2.1 | 4.7 | 2.6 |
| 23 | 2.4 | 2.4 | 3.2 | 2.4 | 4.9 | 3.4 | 3.2 | 1.8 | 31 | 1.8 | 2.4 | 2.4 |
| 24 | 2.5 | 2.4 | 3.8 | 2.4 | 4.8 | 3.5 | 3.2 | 1.8 | 16 | 1.4 | 3.1 | 2.3 |
| 25 | 2.5 | 2.3 | 2.9 | 2.8 | 4.3 | 3.5 | 2.9 | 1.6 | 103 | 1.3 | 2.0 | 2.1 |
| 26 | 2.7 | 2.4 | 2.8 | 2.9 | 4.9 | 3.6 | 3.9 | 1.6 | 56 | 1.2 | 1.8 | 2.1 |
| 27 | 4.5 | 2.4 | 2.5 | 3.1 | 14 | 3.6 | 4.3 | 1.6 | 11 | 56 | 1.8 | 27 |
| 28 | 4.7 | 3.1 | 2.4 | 5.3 | 22 | 3.6 | 2.7 | 1.6 | 7.9 | 5.9 | 1.7 | 102 |
| 29 | 12 | 3.4 | 2.4 | 4.2 | 24 | 3.7 | 2.7 | 1.9 | 5.7 | 23 | 2.3 | 11 |
| 30 | 3.5 | 3.0 | 2.9 | 3.5 | --- | 4.9 | 2.7 | 1.4 | 4.5 | 6.4 | 8.5 | 5.4 |
| 31 | 3.2 | --- | 2.4 | 3.0 | --- | 15 | --- | 9.8 | --- | 2.4 | 15 | --- |
| TOTAL | 124.0 | 96.8 | 203.5 | 104.7 | 379.5 | 180.4 | 193.2 | 119.5 | 498.4 | 335.9 | 261.73 | 542.5 |
| MEAN | 4.00 | 3.23 | 6.56 | 3.38 | 13.1 | 5.82 | 6.44 | 3.85 | 16.6 | 10.8 | 8.44 | 18.1 |
| MAX | 20 | 13 | 55 | 13 | 93 | 20 | 43 | 29 | 103 | 73 | 90 | 135 |
| MIN | 2.2 | 2.3 | 2.3 | 2.3 | 2.5 | 3.4 | 2.7 | 1.4 | 1.2 | 1.2 | 0.74 | 1.9 |
| CFSM | 0.37 | 0.30 | 0.61 | 0.31 | 1.21 | 0.54 | 0.60 | 0.36 | 1.54 | 1.00 | 0.78 | 1.67 |
| IN. | 0.43 | 0.33 | 0.70 | 0.36 | 1.31 | 0.62 | 0.67 | 0.41 | 1.72 | 1.16 | 0.90 | 1.87 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

| | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEAN | 7.36 | 7.80 | 8.15 | 12.6 | 16.2 | 16.2 | 14.7 | 10.8 | 9.24 | 8.39 | 6.66 | 6.61 |
| MAX | 23.0 | 26.1 | 23.7 | 28.9 | 33.4 | 39.7 | 44.9 | 55.8 | 29.6 | 35.2 | 24.2 | 18.1 |
| (WY) | (1996) | (1996) | (2003) | (1998) | (1995) | (2003) | (2003) | (2003) | (2003) | (1997) | (2003) | (2004) |
| MIN | 0.73 | 0.59 | 2.27 | 2.79 | 3.27 | 4.54 | 3.29 | 3.21 | 1.59 | 1.35 | 0.33 | 2.22 |
| (WY) | (2002) | (2002) | (2002) | (2001) | (2002) | (1999) | (2001) | (2000) | (2001) | (2001) | (2001) | (1999) |

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| SUMMARY STATISTICS | FOR 2003 CALENDAR YEAR | | FOR 2004 WATER YEAR | | WATER YEARS 1995 - 2004 | |
|---|---|---|---|---|---|---|
| ANNUAL TOTAL | 7,841.6 | | 3,040.13 | | | |
| ANNUAL MEAN | 21.5 | | 8.31 | | 10.4 | |
| HIGHEST ANNUAL MEAN | | | | | 25.1 | 2003 |
| LOWEST ANNUAL MEAN | | | | | 3.93 | 2001 |
| HIGHEST DAILY MEAN | 800 | May 22 | 135 | Sep  8 | 835 | Jul 23, 1997 |
| LOWEST DAILY MEAN | 1.7 | Jan 16 | 0.74 | Aug 10 | 0.06 | Oct 30, 2001 |
| ANNUAL SEVEN-DAY MINIMUM | 1.9 | Jan 14 | 1.0 | Aug  5 | 0.11 | Oct 29, 2001 |
| MAXIMUM PEAK FLOW | | | 960 | Jul 17 | 2,740 | Jul 23, 1997 |
| MAXIMUM PEAK STAGE | | | 9.53 | Jul 17 | 10.21 | Jun  7, 2003 |
| INSTANTANEOUS LOW FLOW | | | 0.64* | Aug 10 | 0.03* | Sep 12, 2002 |
| ANNUAL RUNOFF (CFSM) | 1.99 | | 0.769 | | 0.960 | |
| ANNUAL RUNOFF (INCHES) | 27.01 | | 10.47 | | 13.04 | |
| 10 PERCENT EXCEEDS | 51 | | 15 | | 19 | |
| 50 PERCENT EXCEEDS | 6.6 | | 3.5 | | 3.4 | |
| 90 PERCENT EXCEEDS | 2.6 | | 2.0 | | 0.86 | |

* See REMARKS.
e Estimated.