

02123567 DUTCHMANS CREEK NEAR UWHARRIE, NC

LOCATION.--Lat 35°22'45", long 80°01'49", Montgomery County, Hydrologic Unit 03040104, near midstream at upstream end of two 6-ft corrugated metal-pipe culverts on Secondary Road 1150, 1.0 mi upstream from mouth, and 3.0 mi southwest of Uwharrie.

DRAINAGE AREA.--3.44 mi².

PERIOD OF RECORD.--October 1981 to September 1983, October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 340 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records fair. Maximum gage height for period of record, from floodmark. No flow also occurred June 23-25, July 8, 9, 19, Aug. 9-15, 2002. Minimum discharge for current water year also occurred Oct. 6-10.

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 | 0.04 | 0.95 | 1.2 | 23 | 2.6 | 7.2 | 2.2 | 2.1 | 7.8 | 4.8 | 36 | 5.0 |
| 2 | 0.04 | 0.90 | 1.2 | 8.3 | 2.1 | 12 | 1.8 | 2.1 | 5.2 | 16 | 17 | 4.1 |
| 3 | 0.03 | 0.81 | 1.4 | 5.7 | 1.9 | 6.6 | 1.5 | 6.1 | 6.0 | 6.7 | 7.6 | 3.8 |
| 4 | 0.03 | 0.84 | 1.5 | 4.2 | 2.2 | 5.2 | 1.3 | 9.1 | 7.9 | 5.1 | 23 | 8.3 |
| 5 | 0.03 | 1.3 | 12 | 3.5 | 1.8 | 5.2 | 1.3 | 3.0 | 5.8 | 4.6 | 43 | 5.9 |
| 6 | 0.02 | 4.2 | 6.5 | 3.0 | 1.9 | 39 | 1.1 | 31 | 4.6 | 4.4 | 23 | 4.5 |
| 7 | 0.02 | 1.2 | 5.1 | 2.6 | 11 | 11 | 9.9 | 7.6 | 12 | 4.3 | 8.6 | 4.1 |
| 8 | 0.02 | 1.0 | 3.6 | 2.6 | 4.7 | 6.3 | 6.5 | 4.1 | 17 | 4.2 | 10 | 4.0 |
| 9 | 0.03 | 0.90 | 2.9 | 2.5 | 3.5 | 5.3 | 51 | 3.0 | 7.8 | 4.0 | 8.7 | 3.7 |
| 10 | 0.50 | 0.97 | 2.6 | 2.1 | 4.9 | 4.4 | 126 | 2.5 | 5.8 | 4.0 | 81 | 3.4 |
| 11 | e50 | 1.1 | 5.0 | 1.8 | 4.0 | 3.8 | 47 | 2.3 | 5.0 | 4.7 | 15 | 3.3 |
| 12 | 4.3 | 14 | 4.1 | 1.6 | 3.3 | 3.5 | 7.4 | 2.1 | 5.5 | 5.8 | 6.9 | 3.2 |
| 13 | 3.4 | 5.6 | 27 | 1.6 | 2.7 | 3.8 | 4.6 | 1.7 | 4.8 | 5.4 | 6.1 | 3.2 |
| 14 | 2.2 | 1.1 | 11 | 1.7 | 2.4 | 5.9 | 3.6 | 1.7 | 4.2 | 4.5 | 5.7 | 3.2 |
| 15 | 1.7 | 0.58 | 5.3 | 1.6 | 2.9 | 4.6 | 3.3 | 1.7 | 4.0 | 4.1 | 5.5 | 3.1 |
| 16 | 15 | 3.9 | 3.9 | 1.5 | 2.9 | 17 | 3.2 | 1.8 | 30 | 3.9 | 20 | 2.9 |
| 17 | 3.0 | 20 | 3.0 | 1.6 | 3.2 | 7.4 | 2.8 | 1.7 | 25 | 3.8 | 16 | 2.8 |
| 18 | 1.3 | 4.6 | 2.6 | 1.5 | 4.4 | 5.9 | 3.9 | 2.0 | 29 | 5.1 | 6.8 | 4.4 |
| 19 | 0.77 | 1.5 | 2.4 | 1.5 | 6.0 | 5.0 | 5.7 | 2.8 | 35 | 6.0 | 5.8 | 4.8 |
| 20 | 0.60 | 1.0 | 4.8 | 1.5 | 7.5 | 125 | 3.6 | 1.9 | 17 | 4.1 | 5.4 | 3.4 |
| 21 | 0.65 | 0.85 | 3.3 | 1.5 | 5.5 | 14 | 3.4 | 1.8 | 8.5 | 3.8 | 4.8 | 3.1 |
| 22 | 2.4 | 0.79 | 2.7 | 1.4 | 40 | 4.1 | 3.2 | 25 | 7.0 | 3.7 | 4.5 | 3.3 |
| 23 | 1.4 | 0.69 | 2.4 | 1.4 | 19 | 2.5 | 2.6 | 13 | 6.3 | 4.3 | 4.3 | 17 |
| 24 | 0.91 | 0.66 | 12 | 1.1 | 7.7 | 1.9 | 2.4 | 4.6 | 5.7 | 3.9 | 7.9 | 4.7 |
| 25 | 0.80 | 0.70 | 19 | 1.2 | 5.2 | 1.6 | 2.6 | 46 | 5.2 | 3.4 | 4.6 | 3.9 |
| 26 | 0.80 | 0.75 | 7.2 | 1.4 | 4.7 | 1.5 | 2.9 | 26 | 4.8 | 3.3 | 4.2 | 3.4 |
| 27 | 0.71 | 0.84 | 4.7 | 1.3 | 19 | 1.3 | 2.7 | 9.4 | 4.6 | 3.6 | 3.9 | 3.2 |
| 28 | 0.74 | 0.89 | 3.8 | 1.2 | 13 | 1.2 | 2.3 | 6.5 | 4.6 | 3.3 | 3.6 | 3.5 |
| 29 | 0.87 | 0.98 | 3.3 | 1.3 | --- | 1.2 | 2.2 | 5.8 | 4.6 | 5.5 | 3.4 | 2.8 |
| 30 | 1.8 | 1.2 | 2.8 | 3.6 | --- | 9.7 | 2.1 | 5.4 | 4.4 | 7.1 | 3.3 | 2.6 |
| 31 | 1.1 | --- | 2.7 | 4.1 | --- | 3.5 | --- | 10 | --- | 4.0 | 8.5 | --- |
| TOTAL | 95.21 | 74.80 | 171.0 | 92.9 | 190.0 | 326.6 | 314.1 | 243.8 | 295.1 | 151.4 | 404.1 | 128.6 |
| MEAN | 3.07 | 2.49 | 5.52 | 3.00 | 6.79 | 10.5 | 10.5 | 7.86 | 9.84 | 4.88 | 13.0 | 4.29 |
| MAX | 50 | 20 | 27 | 23 | 40 | 125 | 126 | 46 | 35 | 16 | 81 | 17 |
| MIN | 0.02 | 0.58 | 1.2 | 1.1 | 1.8 | 1.2 | 1.1 | 1.7 | 4.0 | 3.3 | 3.3 | 2.6 |
| CFSM | 0.89 | 0.72 | 1.60 | 0.87 | 1.97 | 3.06 | 3.04 | 2.29 | 2.86 | 1.42 | 3.79 | 1.25 |
| IN. | 1.03 | 0.81 | 1.85 | 1.00 | 2.05 | 3.53 | 3.40 | 2.64 | 3.19 | 1.64 | 4.37 | 1.39 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2003, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 2.89 | 2.56 | 2.70 | 5.26 | 5.88 | 7.31 | 5.23 | 2.96 | 2.10 | 1.61 | 2.23 | 1.62 |
| MAX | 11.9 | 8.69 | 5.52 | 17.5 | 15.9 | 22.5 | 10.5 | 7.86 | 9.84 | 8.80 | 13.0 | 7.81 |
| (WY) | (1991) | (1986) | (2003) | (1998) | (1998) | (1998) | (2003) | (2003) | (2003) | (1997) | (2003) | (1996) |
| MIN | 0.12 | 0.20 | 0.34 | 1.23 | 1.56 | 2.24 | 1.41 | 0.70 | 0.080 | 0.072 | 0.10 | 0.14 |
| (WY) | (2002) | (2002) | (2002) | (2001) | (2002) | (2002) | (1986) | (2002) | (2002) | (2002) | (2002) | (2001) |

02123567 DUTCHMANS CREEK NEAR UWHARRIE, NC—Continued

| SUMMARY STATISTICS | FOR 2002 CALENDAR YEAR | | FOR 2003 WATER YEAR | | WATER YEARS 1982 - 2003 | |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL | 618.49 | | 2,487.61 | | 3.52 | |
| ANNUAL MEAN | 1.69 | | 6.82 | | 7.16 | |
| HIGHEST ANNUAL MEAN | | | | | 0.82 | |
| LOWEST ANNUAL MEAN | | | | | 0.00 | |
| HIGHEST DAILY MEAN | 50 | Oct 11 | 126 | Apr 10 | 206 | Apr 21, 1992 |
| LOWEST DAILY MEAN | 0.00 | Jun 22 | 0.02 | Oct 6 | 0.00 | Jun 22, 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 0.00 | Aug 9 | 0.03 | Oct 3 | 0.00 | Aug 9, 2002 |
| MAXIMUM PEAK FLOW | | | 356 | Mar 20 | 1,560 | Apr 21, 1992 |
| MAXIMUM PEAK STAGE | | | 7.24 | Mar 20 | 11.96* | Apr 21, 1992 |
| INSTANTANEOUS LOW FLOW | | | 0.02* | Oct 5 | 0.00* | Jun 19, 2002 |
| ANNUAL RUNOFF (CFSM) | 0.49 | | 1.98 | | 1.02 | |
| ANNUAL RUNOFF (INCHES) | 6.69 | | 26.90 | | 13.90 | |
| 10 PERCENT EXCEEDS | 3.7 | | 14 | | 6.0 | |
| 50 PERCENT EXCEEDS | 0.74 | | 3.8 | | 1.7 | |
| 90 PERCENT EXCEEDS | 0.02 | | 1.0 | | 0.31 | |

e Estimated.
 * See REMARKS.

