

021473423 WILDCAT CREEK NEAR ROCK HILL, SC

LOCATION--Lat 34°55'56", long 81°03'51", York County, Hydrologic Unit 03050103, at upstream side of culvert on State Highway 5, on left bank, 9.6 mi east of York, and 0.6 mi west of Rock Hill.

DRAINAGE AREA.--3.39 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1998 to September 1999.

GAGE.--Data collection platform. Elevation of gage is 558 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
 DAILY MEAN VALUES

| DAY   | OCT   | NOV   | DEC    | JAN   | FEB   | MAR  | APR  | MAY   | JUN   | JUL   | AUG   | SEP   |
|-------|-------|-------|--------|-------|-------|------|------|-------|-------|-------|-------|-------|
| 1     | .75   | .67   | 1.3    | 3.2   | 15    | 3.0  | 3.3  | 4.2   | .84   | .66   | .74   | .45   |
| 2     | .66   | 1.1   | e1.4   | 3.5   | 12    | 2.6  | 2.8  | 2.7   | .82   | .64   | .55   | .44   |
| 3     | .67   | 3.0   | e1.0   | 30    | 6.3   | 3.5  | 2.6  | 2.0   | .83   | .62   | .41   | .42   |
| 4     | 1.7   | 1.5   | 1.0    | 7.0   | 4.8   | 2.9  | 2.3  | 1.6   | .79   | .60   | .43   | .41   |
| 5     | .87   | 1.3   | .99    | 5.2   | 3.7   | 2.6  | 2.1  | 1.6   | .77   | .57   | .43   | 2.9   |
| 6     | .80   | 1.1   | .94    | 4.6   | 3.3   | 2.5  | 2.0  | 2.0   | .75   | .55   | .39   | .91   |
| 7     | 3.1   | 1.1   | .94    | 4.2   | 3.1   | 2.1  | 1.9  | 1.6   | .75   | 3.6   | .33   | .62   |
| 8     | 12    | 1.1   | .90    | 4.0   | 2.8   | 1.9  | 1.8  | 1.4   | .73   | 1.1   | .33   | .55   |
| 9     | 3.4   | 1.2   | e.88   | 3.9   | 2.6   | 4.7  | 1.8  | 1.3   | .73   | .58   | .35   | 8.5   |
| 10    | 2.3   | 1.2   | e.81   | 3.6   | 2.6   | 3.9  | 1.7  | 1.2   | 3.0   | 1.2   | .33   | 1.6   |
| 11    | 1.7   | 1.3   | .80    | 3.4   | 2.4   | 3.0  | 1.6  | 1.1   | 2.4   | .76   | .33   | .77   |
| 12    | 1.4   | 1.3   | .76    | 3.1   | 2.2   | 2.7  | 1.5  | 1.1   | 1.0   | .84   | .32   | .71   |
| 13    | 1.3   | 1.1   | 2.2    | e3.0  | 2.1   | 2.5  | 1.4  | 1.4   | .90   | 3.3   | .32   | .64   |
| 14    | 1.1   | 2.5   | .95    | e2.8  | 1.9   | 5.2  | 1.4  | 1.1   | .86   | .72   | .31   | .64   |
| 15    | .98   | 4.1   | 3.2    | e4.0  | 1.8   | 4.6  | 1.4  | 1.1   | .95   | .62   | .31   | 2.0   |
| 16    | .92   | 4.8   | 5.2    | e3.0  | 1.8   | 3.3  | 1.4  | 1.1   | 2.1   | .55   | .32   | 2.0   |
| 17    | .90   | 4.2   | 2.0    | e11   | 1.8   | 2.8  | 1.3  | 1.0   | 1.5   | .54   | .32   | .66   |
| 18    | .90   | 2.2   | 1.4    | e25   | 12    | 2.7  | 1.3  | 1.0   | .90   | .50   | .30   | .64   |
| 19    | .90   | 1.8   | 1.2    | e7.0  | 23    | 2.5  | 1.3  | 1.5   | .80   | .49   | .29   | .71   |
| 20    | .86   | 1.6   | 1.1    | 5.6   | e12   | 2.4  | 1.3  | .98   | .80   | .48   | 5.0   | .66   |
| 21    | .80   | 1.6   | 1.1    | 4.4   | 6.9   | 7.7  | 1.3  | .98   | .80   | .45   | 1.1   | 6.2   |
| 22    | .76   | 1.4   | 2.1    | 3.8   | 5.4   | 4.5  | 1.3  | .96   | .80   | .44   | .61   | 3.1   |
| 23    | .78   | 1.3   | 4.1    | 15    | 4.4   | 3.5  | 1.2  | .96   | .81   | .43   | .61   | 1.7   |
| 24    | .74   | 1.3   | 25     | 35    | 3.8   | 3.1  | 1.2  | .94   | .79   | 1.2   | .92   | 1.6   |
| 25    | .72   | 1.3   | 13     | 10    | 3.5   | 3.3  | 1.2  | .92   | 1.9   | .55   | .65   | 1.5   |
| 26    | .71   | 1.3   | 6.2    | 7.0   | 3.2   | 3.2  | 1.2  | 1.1   | .86   | .43   | .90   | 1.4   |
| 27    | .69   | 1.3   | 4.7    | 5.9   | 3.0   | 2.8  | 3.1  | .96   | 1.3   | .41   | .55   | 4.1   |
| 28    | .64   | 1.3   | 4.2    | 4.9   | 3.5   | 2.6  | 4.1  | .91   | .88   | .40   | .52   | 3.0   |
| 29    | .64   | 1.3   | 5.7    | 4.0   | ---   | 2.6  | 3.3  | .87   | .75   | .38   | .51   | 2.3   |
| 30    | .64   | 1.3   | 4.1    | 3.5   | ---   | 2.4  | 16   | .85   | .69   | .38   | .48   | 2.2   |
| 31    | .64   | ---   | 3.4    | 3.2   | ---   | 2.2  | ---  | .85   | ---   | .38   | .45   | ---   |
| TOTAL | 44.97 | 51.57 | 102.57 | 233.8 | 150.9 | 99.3 | 70.1 | 41.28 | 31.80 | 24.37 | 19.41 | 53.33 |
| MEAN  | 1.45  | 1.72  | 3.31   | 7.54  | 5.39  | 3.20 | 2.34 | 1.33  | 1.06  | .79   | .63   | 1.78  |
| MAX   | 12    | 4.8   | 25     | 35    | 23    | 7.7  | 16   | 4.2   | 3.0   | 3.6   | 5.0   | 8.5   |
| MIN   | .64   | .67   | .76    | 2.8   | 1.8   | 1.9  | 1.2  | .85   | .69   | .38   | .29   | .41   |

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 1999, BY WATER YEAR (WY)**

## SANTEE RIVER BASIN

021473423 WILDCAT CREEK NEAR ROCK HILL, SC--Continued  
SUMMARY STATISTICS FOR 1999 WATER YEAR

|                          |        |
|--------------------------|--------|
| ANNUAL TOTAL             | 923.40 |
| ANNUAL MEAN              | 2.53   |
| HIGHEST DAILY MEAN       | 35     |
| LOWEST DAILY MEAN        | .29    |
| ANNUAL SEVEN-DAY MINIMUM | .31    |
| INSTANTANEOUS PEAK FLOW  | 128    |
| INSTANTANEOUS PEAK STAGE | 4.84   |
| 10 PERCENT EXCEEDS       | 4.7    |
| 50 PERCENT EXCEEDS       | 1.3    |
| 90 PERCENT EXCEEDS       | .52    |

e Estimated

