

02186699 EIGHTEENMILE CREEK ABOVE PENDLETON, SC

LOCATION.--Lat 34°39'32'', long 82°47'56'', Anderson County, Hydrologic Unit 03060101, on downstream side of bridge on County Road 229, 1.0 mi northwest of Pendleton, and 1.5 mi southeast of Clemson.

DRAINAGE AREA.--47.0 mi².

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

GAGE.--Data collection platform. Elevation of gage is 700 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 36 | 24 | 33 | 37 | 57 | 42 | 29 | 40 | 25 | 23 | 26 | 27 |
| 2 | 34 | 39 | 34 | 36 | 53 | 42 | 48 | 41 | 25 | 21 | 26 | 39 |
| 3 | 33 | 34 | 33 | 36 | 51 | 42 | 153 | 41 | 24 | 19 | 72 | 49 |
| 4 | 142 | 29 | 34 | 46 | 50 | 51 | 115 | 42 | 25 | 18 | 44 | 33 |
| 5 | 87 | 27 | 34 | 46 | 47 | 52 | 63 | 41 | 33 | 17 | 51 | 32 |
| 6 | 47 | 27 | e49 | 38 | 45 | 45 | 51 | 39 | 35 | 17 | 30 | 26 |
| 7 | 37 | 25 | e43 | 38 | 44 | 44 | 46 | 38 | 27 | 17 | 26 | 25 |
| 8 | 35 | 24 | 39 | 37 | 44 | 46 | 44 | 36 | 25 | 16 | 24 | 24 |
| 9 | 36 | 24 | 37 | 42 | 43 | 45 | 42 | 36 | 24 | 15 | 23 | 24 |
| 10 | 295 | 25 | 44 | 211 | 43 | 43 | 41 | 35 | 24 | 15 | 22 | 24 |
| 11 | 307 | 26 | 44 | 83 | 43 | 51 | 40 | 33 | 23 | 14 | 24 | 23 |
| 12 | 68 | 27 | 39 | 52 | 58 | 56 | 42 | 34 | 22 | 15 | 21 | 22 |
| 13 | 54 | 27 | 62 | 45 | 59 | 45 | 49 | 33 | 21 | 26 | 20 | 22 |
| 14 | 43 | 27 | 157 | 41 | 207 | 43 | 59 | 32 | 20 | 33 | 19 | 21 |
| 15 | 36 | 28 | 72 | 39 | 85 | 43 | 113 | 31 | 22 | 20 | 19 | 21 |
| 16 | 31 | 28 | 55 | 38 | 59 | 126 | 65 | 30 | 22 | 18 | 18 | 20 |
| 17 | 22 | 28 | 50 | 37 | 52 | 137 | 53 | 31 | 29 | 16 | 18 | 19 |
| 18 | 25 | 28 | 47 | 41 | 51 | 67 | 48 | 32 | 30 | 15 | 17 | 21 |
| 19 | 23 | 29 | 45 | 41 | 50 | 54 | 45 | 30 | 25 | 15 | 17 | 26 |
| 20 | 24 | 30 | 46 | 46 | 47 | 625 | 44 | 29 | 24 | 15 | 19 | 23 |
| 21 | 28 | 29 | 63 | 39 | 45 | 116 | 44 | 30 | 26 | 14 | 35 | 44 |
| 22 | 25 | 27 | 66 | 38 | 44 | 63 | 42 | 30 | 28 | 14 | 23 | 36 |
| 23 | 24 | 28 | 47 | 83 | 43 | 49 | 41 | 29 | 24 | 16 | 21 | 86 |
| 24 | 19 | 29 | 32 | 75 | 43 | 42 | 46 | 29 | 22 | 25 | 22 | 36 |
| 25 | 20 | 41 | 32 | 62 | 43 | 39 | 68 | 29 | 20 | 95 | 23 | 27 |
| 26 | 20 | 64 | 34 | 53 | 43 | 36 | 47 | 29 | 20 | 33 | 20 | 35 |
| 27 | 21 | 45 | 34 | 48 | 48 | 34 | 41 | 28 | 20 | 24 | 20 | 21 |
| 28 | 21 | 36 | 34 | 47 | 50 | 34 | 47 | 27 | 20 | 23 | 20 | 18 |
| 29 | 21 | 35 | 34 | 49 | 42 | 30 | 43 | 27 | 32 | 20 | 19 | 17 |
| 30 | 22 | 34 | 34 | 67 | --- | 30 | 40 | 25 | 30 | 20 | 18 | 17 |
| 31 | 22 | --- | 36 | 70 | --- | 30 | --- | 25 | --- | 32 | 24 | --- |
| TOTAL | 1658 | 924 | 1443 | 1661 | 1589 | 2202 | 1649 | 1012 | 747 | 681 | 781 | 858 |
| MEAN | 53.5 | 30.8 | 46.5 | 53.6 | 54.8 | 71.0 | 55.0 | 32.6 | 24.9 | 22.0 | 25.2 | 28.6 |
| MAX | 307 | 64 | 157 | 211 | 207 | 625 | 153 | 42 | 35 | 95 | 72 | 86 |
| MIN | 19 | 24 | 32 | 36 | 42 | 30 | 29 | 25 | 20 | 14 | 17 | 17 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

| | 1998 | 1999 | 2000 | 1998 | 1999 | 2000 | 1998 | 1999 | 2000 | 1998 | 1999 | 2000 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| MEAN | 51.8 | 37.6 | 52.8 | 68.2 | 71.8 | 63.2 | 63.3 | 42.5 | 41.5 | 32.3 | 27.6 | 32.2 |
| MAX | 53.5 | 44.4 | 59.1 | 82.9 | 89.4 | 71.0 | 71.6 | 52.5 | 59.5 | 45.1 | 37.1 | 37.4 |
| (WY) | 2000 | 1999 | 1999 | 1999 | 1999 | 2000 | 1999 | 1999 | 1998 | 1998 | 1998 | 1998 |
| MIN | 50.1 | 30.8 | 46.5 | 53.6 | 54.8 | 55.4 | 55.0 | 32.6 | 24.9 | 22.0 | 20.5 | 28.6 |
| (WY) | 1999 | 2000 | 2000 | 2000 | 2000 | 1999 | 2000 | 2000 | 2000 | 2000 | 1999 | 2000 |

SAVANNAH RIVER BASIN

02186699 EIGHTEENMILE CREEK ABOVE PENDLETON, SC--Continued
 FOR 1999 CALENDAR YEAR FOR 2000 WATER YEAR

WATER YEARS 1998 - 2000

SUMMARY STATISTICS

| | | | | | | |
|--------------------------|-------|--------|-------|----------|------|---------------|
| ANNUAL TOTAL | 18272 | | 15205 | | | |
| ANNUAL MEAN | 50.1 | | 41.5 | | 46.7 | |
| HIGHEST ANNUAL MEAN | | | | | 52.0 | 1999 |
| LOWEST ANNUAL MEAN | | | | | 41.5 | 2000 |
| HIGHEST DAILY MEAN | 404 | Feb 1 | 625 | Mar 20 | 625 | Mar 20 2000 |
| LOWEST DAILY MEAN | 14 | Aug 10 | 14 | a Jul 11 | 14 | b Aug 10 1999 |
| ANNUAL SEVEN-DAY MINIMUM | 15 | Aug 6 | 15 | Jul 17 | 15 | Jul 17 2000 |
| INSTANTANEOUS PEAK FLOW | | | 1300 | Mar 20 | 1300 | Mar 20 2000 |
| INSTANTANEOUS PEAK STAGE | | | 6.81 | Mar 20 | 6.81 | Mar 20 2000 |
| 10 PERCENT EXCEEDS | 76 | | 59 | | 67 | |
| 50 PERCENT EXCEEDS | 42 | | 34 | | 41 | |
| 90 PERCENT EXCEEDS | 21 | | 20 | | 21 | |

a Also occurred Jul. 21, 22.

b Also occurred Jul. 11, 21, 22, 2000.

e Estimated

