

## SAVANNAH RIVER BASIN

02192830 BLUE HILL CREEK AT ABBEVILLE, SC

LOCATION.--Lat 34°10'03'', long 82°22'17'', Abbeville County, Hydrologic Unit 03060103, on downstream side of footbridge behind the Milliken waste water treatment facility, 0.3 mi downstream of SC Highway 72, and 1.4 mi upstream of Parker Creek.

DRAINAGE AREA.--3.24 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF DAILY RECORD.-- February 1998 to current year.

GAGE.--Data collection platform. Datum of gage is 475 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records poor.

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     | 1.4   | 1.5   | 0.84  | 1.2   | 0.76   | 0.93  | 0.64  | 7.6   | 1.3    | 7.8    | 0.62  | 0.59   |
| 2     | 1.4   | 1.3   | 0.81  | 1.1   | 2.0    | 0.85  | 0.56  | 11    | 1.6    | 12     | 14    | 6.6    |
| 3     | 1.3   | 1.4   | 0.79  | 1.1   | 3.0    | 0.74  | 0.51  | 2.2   | 1.2    | 15     | 13    | 0.75   |
| 4     | 1.2   | 1.5   | 1.6   | 1.1   | 1.1    | 0.69  | 0.43  | 1.9   | 1.5    | 11     | 2.0   | 0.61   |
| 5     | 1.3   | 1.4   | 1.0   | 2.9   | 0.97   | 0.62  | 0.48  | 1.8   | 1.1    | 3.9    | 1.4   | 0.46   |
| 6     | 1.3   | 1.7   | 0.86  | 1.3   | 43     | 0.60  | 0.48  | 1.7   | 0.92   | 2.1    | 1.1   | 0.55   |
| 7     | 4.4   | 1.8   | 0.76  | 1.1   | 5.4    | 0.50  | 0.50  | 2.3   | 1.1    | 2.2    | 0.99  | e110   |
| 8     | e44   | 1.8   | 0.82  | 1.2   | 2.8    | 0.49  | 0.46  | 1.6   | 1.3    | 2.1    | 0.69  | 33     |
| 9     | 1.3   | 1.6   | 0.79  | 1.3   | 2.7    | 0.50  | 0.43  | 1.3   | 5.7    | 1.9    | 0.88  | 2.0    |
| 10    | 0.31  | 1.7   | 8.3   | 0.99  | 2.3    | 0.53  | 0.41  | 1.5   | 1.1    | 1.7    | 1.0   | 0.98   |
| 11    | 0.48  | 2.1   | 2.4   | 0.87  | 1.7    | 0.48  | 0.42  | 1.4   | 1.1    | 9.2    | 1.0   | 0.84   |
| 12    | 0.48  | 1.7   | 2.0   | 0.87  | 27     | 0.52  | 0.47  | 28    | 1.1    | 1.5    | 17    | 0.66   |
| 13    | 0.69  | 1.5   | 7.1   | 0.83  | 3.9    | 0.47  | 15    | 9.1   | 0.90   | 1.2    | 1.5   | 0.56   |
| 14    | 1.1   | 1.8   | 8.3   | 0.78  | 18     | 0.41  | 2.4   | 4.8   | 1.4    | 1.1    | 1.3   | 0.75   |
| 15    | 1.1   | 2.3   | 2.5   | 0.75  | 41     | 1.7   | 1.7   | 3.8   | 1.1    | 0.95   | 1.1   | 0.56   |
| 16    | 1.1   | 1.5   | 2.0   | 0.74  | 23     | 0.52  | 1.7   | 3.0   | 0.80   | 0.83   | 1.2   | 0.74   |
| 17    | 1.2   | 2.1   | 2.1   | 0.78  | 6.9    | 0.49  | 1.7   | 3.3   | 0.77   | 0.80   | 1.2   | 34     |
| 18    | 1.2   | 2.1   | 1.8   | 2.2   | 4.7    | 0.50  | 1.5   | 3.0   | 0.80   | 0.71   | 1.2   | 1.6    |
| 19    | 1.1   | 22    | 1.9   | 0.85  | 3.4    | 0.46  | 1.6   | 3.2   | 0.77   | 0.81   | 1.1   | 1.1    |
| 20    | 1.2   | 2.7   | 1.7   | 0.79  | 2.5    | 0.53  | 1.5   | 2.4   | 0.70   | 0.67   | 1.1   | 1.1    |
| 21    | 1.4   | 1.7   | 1.6   | 0.75  | 1.8    | 2.0   | 1.6   | 2.3   | 18     | 0.58   | 1.1   | 1.0    |
| 22    | 1.4   | 1.4   | 1.6   | 0.71  | 1.3    | 0.45  | 1.6   | 2.2   | 11     | 0.63   | 0.92  | 1.0    |
| 23    | 1.4   | 1.2   | 1.6   | 1.1   | 1.2    | 0.44  | 1.4   | 1.8   | 10     | 0.62   | 0.98  | 1.0    |
| 24    | 1.2   | 1.2   | 1.7   | 0.73  | 1.1    | 0.45  | 1.5   | 1.9   | 5.9    | 0.56   | 1.1   | 1.1    |
| 25    | 1.3   | 1.2   | 1.5   | 4.6   | 0.92   | 0.44  | 1.3   | 2.0   | 3.0    | 0.50   | 1.0   | 0.98   |
| 26    | 1.3   | 1.1   | 1.4   | 1.5   | 3.2    | 0.44  | 2.6   | 2.8   | 2.8    | 12     | 0.90  | 0.86   |
| 27    | 1.5   | 1.2   | 1.4   | 1.0   | 4.5    | 0.44  | 1.5   | 1.4   | e50    | 11     | 0.85  | e73    |
| 28    | 2.7   | 1.3   | 1.3   | 0.77  | 1.6    | 0.40  | 1.8   | 1.3   | 26     | 1.2    | 0.84  | 37     |
| 29    | 2.1   | 0.97  | 1.4   | 0.64  | 1.0    | 0.43  | 1.6   | 1.2   | 5.5    | 5.4    | 0.69  | 1.6    |
| 30    | 1.6   | 0.99  | 1.3   | 0.69  | ---    | 4.0   | 1.3   | 1.5   | 13     | 2.9    | 0.76  | 1.5    |
| 31    | 1.5   | ---   | 1.2   | 0.76  | ---    | 6.0   | ---   | 2.0   | ---    | 0.96   | 0.77  | ---    |
| TOTAL | 84.96 | 67.76 | 64.37 | 36.00 | 212.75 | 28.02 | 49.09 | 115.3 | 171.46 | 113.82 | 73.29 | 316.49 |
| MEAN  | 2.74  | 2.26  | 2.08  | 1.16  | 7.34   | 0.90  | 1.64  | 3.72  | 5.72   | 3.67   | 2.36  | 10.5   |
| MAX   | 44    | 22    | 8.3   | 4.6   | 43     | 6.0   | 15    | 28    | 50     | 15     | 17    | 110    |
| MIN   | 0.31  | 0.97  | 0.76  | 0.64  | 0.76   | 0.40  | 0.41  | 1.2   | 0.70   | 0.50   | 0.62  | 0.46   |
| CFSM  | 0.85  | 0.70  | 0.64  | 0.36  | 2.26   | 0.28  | 0.51  | 1.15  | 1.76   | 1.13   | 0.73  | 3.26   |
| IN.   | 0.98  | 0.78  | 0.74  | 0.41  | 2.44   | 0.32  | 0.56  | 1.32  | 1.97   | 1.31   | 0.84  | 3.63   |

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

|      | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|------|------|------|------|------|------|------|------|
| MEAN | 1.31 | 1.70 | 2.01 | 2.23 | 4.19 | 5.41 | 3.98 |
| MAX  | 2.74 | 2.26 | 4.08 | 3.59 | 7.34 | 13.5 | 9.79 |
| (WY) | 2004 | 2004 | 2003 | 1999 | 2004 | 2003 | 1998 |
| MIN  | 0.50 | 0.84 | 0.91 | 1.16 | 2.02 | 0.90 | 1.63 |
| (WY) | 2002 | 2002 | 2002 | 2004 | 2001 | 2004 | 2002 |

02192830 BLUE HILL CREEK AT ABBEVILLE, SC--Continued

| SUMMARY STATISTICS       | FOR 2003 CALENDAR YEAR | FOR 2004 WATER YEAR | WATER YEARS 1998 - 2004 |      |
|--------------------------|------------------------|---------------------|-------------------------|------|
| ANNUAL TOTAL             | 2095.39                | 1333.31             |                         |      |
| ANNUAL MEAN              | 5.74                   | 3.64                | 2.84                    |      |
| HIGHEST ANNUAL MEAN      |                        |                     | 5.76                    | 2003 |
| LOWEST ANNUAL MEAN       |                        |                     | 1.39                    | 2002 |
| HIGHEST DAILY MEAN       | 111 Mar 6              | 110 Sep 7           | e 111 Mar 6             | 2003 |
| LOWEST DAILY MEAN        | 0.31 Oct 10            | 0.31 Oct 10         | 0.09 Sep 9              | 2002 |
| ANNUAL SEVEN-DAY MINIMUM | 0.75 Oct 10            | 0.43 Mar 23         | 0.11 Sep 7              | 2002 |
| MAXIMUM PEAK FLOW        |                        | Unknown Sep 27      | 294 Jul 25              | 2000 |
| MAXIMUM PEAK STAGE       |                        | 8.54 Sep 27         | 8.58 Jul 25             | 2000 |
| ANNUAL RUNOFF (CFSM)     | 1.77                   | 1.12                | 0.876                   |      |
| ANNUAL RUNOFF (INCHES)   | 24.06                  | 15.31               | 11.91                   |      |
| 10 PERCENT EXCEEDS       | 8.8                    | 7.0                 | 4.7                     |      |
| 50 PERCENT EXCEEDS       | 3.0                    | 1.3                 | 1.5                     |      |
| 90 PERCENT EXCEEDS       | 1.3                    | 0.54                | 0.57                    |      |

e Estimated

