

SAVANNAH RIVER BASIN

02196484 SAVANNAH RIVER NEAR NORTH AUGUSTA, SC

LOCATION.--Lat 33°33'06'', long 82°02'19'', Edgefield County, SC-Columbia County, GA, Hydrologic Unit 03060106, at Augusta City Lock and Dam, 1.0 mi downstream from Stevens Creek Dam, and at mile 207.

DRAINAGE AREA.--7,150 mi², approximately.

PERIOD OF RECORD.--October 1988 to current year.

REVISED RECORDS.--WRD SC-98-1: 1997.

GAGE.--Data collection platform. Elevation of gage is 150 ft above sea level (from topographic map).

REMARKS.--Records good except for estimated daily discharges, and those below 5,000 ft³/s, which are poor. Flow regulated by Thurmond Lake (see sta 02194500) and by other powerplants above station. Flow diverted above station to the Augusta Canal by City of Augusta for municipal supply.

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 | 2310 | 2440 | 2430 | 2960 | 5800 | 3700 | 3620 | 3560 | 2150 | 3340 | 2130 | 2380 |
| 2 | 2950 | 2370 | 2840 | 3460 | 4060 | 4200 | 3680 | 2890 | 1760 | 3330 | 2300 | 2580 |
| 3 | 3090 | 2210 | 2400 | 3160 | 2670 | 4030 | 4790 | 2970 | 2070 | 3220 | 2240 | e2450 |
| 4 | 3260 | 2330 | 2750 | 3040 | 3430 | 4810 | 5560 | 3480 | 2270 | 3510 | 3520 | e2670 |
| 5 | 2480 | 2420 | 2820 | 2530 | 2850 | 4250 | 4920 | 3450 | 2370 | 4380 | 3200 | e3170 |
| 6 | 2520 | 2540 | 2730 | 2440 | 2600 | 4910 | 4890 | 3070 | 2860 | 5290 | 2280 | e3750 |
| 7 | 2430 | 2820 | 2520 | 2550 | 2690 | 4620 | 3960 | 3070 | 2840 | 4590 | e3270 | 3160 |
| 8 | 2260 | 2790 | 2300 | 2620 | 2050 | 4720 | 3630 | 3230 | 2220 | 3710 | 2900 | 3240 |
| 9 | 2770 | 2070 | 2700 | 2930 | 2030 | 4620 | 4010 | 3170 | 2100 | 3960 | 1950 | 2530 |
| 10 | 2600 | 2450 | 2940 | 3310 | 2520 | 4750 | 4800 | 3150 | 2120 | 4080 | 2600 | 2790 |
| 11 | 2480 | 2270 | 2610 | 4610 | 2120 | 4100 | 4450 | 3130 | 2170 | 3930 | 2260 | 2550 |
| 12 | 2690 | 2520 | 3000 | 6060 | 2550 | 3730 | 4340 | 3070 | 1950 | 2880 | 1740 | 2130 |
| 13 | 2200 | 2460 | 2940 | 2830 | 2530 | 7790 | 4680 | 3000 | 1930 | 2450 | 2290 | 2200 |
| 14 | 2210 | 2780 | 2290 | 2400 | e4170 | 4440 | 4540 | 2600 | 1730 | 2290 | 3260 | 2040 |
| 15 | 2100 | 2470 | 2430 | 2450 | e5240 | 4550 | 4140 | 3230 | 1870 | 2560 | 4060 | 2180 |
| 16 | 2850 | 2240 | 2530 | 2820 | 3640 | e5430 | 3770 | 3190 | 1810 | 3010 | 4170 | 2040 |
| 17 | 2770 | 1900 | 2510 | 2880 | 3620 | e4200 | e3780 | 2400 | 1720 | 2410 | 4440 | 2500 |
| 18 | 2190 | 2440 | 2670 | 2690 | 4160 | e3750 | e4260 | 2220 | 1860 | 1770 | 5150 | 2110 |
| 19 | 2310 | 2300 | 2830 | 3390 | 2290 | e4610 | e4660 | 2370 | e1940 | 1600 | 3410 | e1760 |
| 20 | 2820 | 2700 | 3070 | 6030 | 2180 | e8220 | e4280 | 2760 | e3020 | 1950 | 2590 | 2010 |
| 21 | 2220 | 3060 | 3450 | 6860 | 2730 | e7800 | e4070 | 3180 | e5000 | 1900 | 2580 | 2430 |
| 22 | 2170 | 2650 | 2540 | 5810 | 2610 | e6630 | e3720 | 2420 | e3560 | e2050 | 1720 | 3270 |
| 23 | 2570 | 2460 | 2610 | 3720 | 2530 | e4420 | e3770 | 1920 | e3840 | 2530 | 1690 | 9180 |
| 24 | 4090 | 2590 | 3170 | 8030 | 2380 | 4140 | e3870 | 1670 | e3400 | 2390 | 1580 | 7970 |
| 25 | 2940 | 2900 | 3130 | 16100 | 2830 | 4510 | e3840 | 1840 | e3320 | 2240 | 1860 | 6160 |
| 26 | 2560 | 3120 | 2780 | 11300 | 1840 | 4770 | 3640 | 2100 | e3300 | 1750 | 1800 | 3970 |
| 27 | 3020 | 3090 | 3040 | 4710 | 1950 | 4870 | 3650 | 2690 | e3680 | 1890 | 2070 | 3180 |
| 28 | 2600 | 3080 | 3330 | 3310 | 2450 | 5180 | 4260 | 2590 | 3880 | 2260 | e1790 | 2840 |
| 29 | 2130 | 2560 | 2890 | e3040 | 2680 | 4480 | 4300 | 2230 | 3880 | 2330 | 2240 | 2060 |
| 30 | 2300 | 2660 | 2880 | 3700 | --- | 4450 | 3610 | e2120 | 4110 | 1890 | 2320 | 1870 |
| 31 | 2700 | --- | 2600 | 4290 | --- | 4550 | --- | e2150 | --- | 1940 | 2540 | --- |
| TOTAL | 80590 | 76690 | 85730 | 136030 | 85200 | 151230 | 125490 | 84920 | 80730 | 87430 | 81950 | 93170 |
| MEAN | 2600 | 2556 | 2765 | 4388 | 2938 | 4878 | 4183 | 2739 | 2691 | 2820 | 2644 | 3106 |
| MAX | 4090 | 3120 | 3450 | 16100 | 5800 | 8220 | 5560 | 3560 | 5000 | 5290 | 5150 | 9180 |
| MIN | 2100 | 1900 | 2290 | 2400 | 1840 | 3700 | 3610 | 1670 | 1720 | 1600 | 1580 | 1760 |
| CFSM | .36 | .36 | .39 | .61 | .41 | .68 | .59 | .38 | .38 | .39 | .37 | .43 |
| IN. | .42 | .40 | .45 | .71 | .44 | .79 | .65 | .44 | .42 | .45 | .43 | .48 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

| | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|------|
| MEAN | 5979 | 5966 | 8425 | 9117 | 12300 | 12890 | 8098 | 6683 | 4411 | 4792 | 5864 | 4530 |
| MAX | 11440 | 15950 | 27170 | 28980 | 28900 | 23320 | 22150 | 18320 | 6821 | 9750 | 14420 | 6609 |
| (WY) | 1990 | 1996 | 1993 | 1993 | 1998 | 1998 | 1998 | 1998 | 1996 | 1994 | 1994 | 1995 |
| MIN | 1802 | 1827 | 2535 | 2438 | 1886 | 1440 | 2652 | 1990 | 1847 | 2820 | 2644 | 2406 |
| (WY) | 1994 | 1989 | 1989 | 1989 | 1989 | 1989 | 1989 | 1989 | 1989 | 2000 | 2000 | 1997 |

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 FOR 1999 CALENDAR YEAR FOR 2000 WATER YEAR

SUMMARY STATISTICS

WATER YEARS 1989 - 2000

| | | | | | | |
|--------------------------|---------|--------|---------|--------|-------|-------------|
| ANNUAL TOTAL | 1119520 | | 1169160 | | | |
| ANNUAL MEAN | 3067 | | 3194 | | 7403 | |
| HIGHEST ANNUAL MEAN | | | | | 13960 | 1993 |
| LOWEST ANNUAL MEAN | | | | | 2612 | 1989 |
| HIGHEST DAILY MEAN | 14900 | Feb 2 | 16100 | Jan 25 | 39000 | Jan 13 1993 |
| LOWEST DAILY MEAN | 1530 | May 15 | 1580 | Aug 24 | 65 | Mar 18 1989 |
| ANNUAL SEVEN-DAY MINIMUM | 1710 | Jun 8 | 1790 | Aug 22 | 103 | Mar 16 1989 |
| INSTANTANEOUS PEAK FLOW | | | 20700 | Jan 25 | 54200 | Oct 12 1990 |
| INSTANTANEOUS PEAK STAGE | | | 10.44 | Jan 25 | 12.57 | Oct 12 1990 |
| ANNUAL RUNOFF (CFSM) | .43 | | .45 | | 1.04 | |
| ANNUAL RUNOFF (INCHES) | 5.82 | | 6.08 | | 14.07 | |
| 10 PERCENT EXCEEDS | 4580 | | 4620 | | 19000 | |
| 50 PERCENT EXCEEDS | 2660 | | 2820 | | 4620 | |
| 90 PERCENT EXCEEDS | 1960 | | 2040 | | 1910 | |

e Estimated

