

SAVANNAH RIVER BASIN

02196485 AUGUSTA CANAL NEAR AUGUSTA, GA

LOCATION.--Lat 33°32'57", long 82°02'17", Columbia County, Hydrologic Unit 03060106, 1,000 feet downstream of the Augusta City Lock and Dam near Augusta, GA.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1996 to current year.

GAGE.—Satellite transmitter. Datum of gage is 148.92 feet above sea level.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. Flow regulated by gate operations at Augusta City Lock and Dam. Discharge record computed by utilization of a one-dimensional unsteady flow simulation model (BRANCH). An auxiliary gage (station 02196500) is used in conjunction with this station for computation of discharge. Current water year information can be obtained by contacting the USGS, South Carolina District.

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - SOUTH CAROLINA DISTRICT 01/16/2001

STATION NUMBER 02196485 AUGUSTA CANAL NR AUGUSTA (UPPER) STREAM SOURCE AGENCY USGS
 LATITUDE 333257 LONGITUDE 0820217 DRAINAGE AREA 0.00 DATUM 148.92 STATE 13 COUNTY 073

, PUBLISHED

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	2940	2980	2860	2690	2640	2710	2050	2760	2550	1990	2920	2420
2	2910	3010	2980	2770	2660	2680	2060	2930	2600	2400	2500	2370
3	2940	3070	3030	2780	2690	2370	2240	2480	2600	2290	2520	2410
4	3000	2860	3010	2770	2770	2280	2020	2310	2600	1620	2610	2340
5	3000	2580	2820	2820	2780	2070	2310	2360	2580	1820	2670	2270
6	2770	2550	2880	2800	2770	2070	2740	2200	2580	2120	2660	2320
7	2610	2510	3040	2790	2820	2580	2470	2340	2860	1950	2610	2510
8	2840	2360	2970	2630	2800	2660	2710	1990	3000	2210	2640	2650
9	3200	2930	2960	2410	2790	2610	2670	2070	3020	2460	2720	2750
10	3070	3040	2930	2460	2630	2460	2670	2620	3050	2480	2590	2970
11	2890	3090	2800	2620	2410	2470	2690	2960	3050	2410	2830	2550
12	2830	3040	2640	2710	2460	2400	2410	2970	3010	2280	2960	2530
13	2880	3060	2540	2580	2620	2650	2390	2920	2970	2450	2920	2810
14	3050	2900	2980	2470	2710	2510	2380	2920	2760	2440	2940	3060
15	2970	2500	3000	2370	2580	2380	2590	2780	2620	2610	2690	2710
16	3090	2490	2900	2660	2470	2560	2790	2820	2540	2500	2760	2910
17	3290	2960	2770	2480	2370	2770	2710	2920	2440	2350	2940	3020
18	3190	2980	2640	2400	2660	2720	2840	2930	2230	2420	2920	2540
19	3160	2770	2970	2390	2480	2430	2900	2920	2320	2600	3000	2080
20	3170	3050	2840	2360	2400	2480	2940	2930	2430	2640	2970	2480
21	3330	2840	2320	2460	2390	2360	3050	2930	2440	2740	2700	2550
22	3280	2690	2290	2280	2360	2620	3060	3030	2460	2880	2770	2880
23	3190	2670	2490	2040	2460	2560	3030	3000	2470	2970	3020	2900
24	2940	2470	2120	1960	2280	2500	2950	2950	2630	2970	2940	2820
25	2790	2470	2000	2380	2040	2780	2920	3000	2930	2940	2850	2220
26	2860	2090	1990	2560	1960	2360	2870	3020	2880	3020	3040	1960
27	3060	2010	2000	2710	2380	2640	2890	2840	2310	3080	3180	1690
28	3140	2030	2620	2680	2560	2750	3020	3030	2080	3000	2700	1870
29	3090	2160	2790	2370	---	2610	2800	2980	2350	3020	2220	1860
30	2960	2580	2640	2280	---	2410	2690	2960	2160	2930	2310	1880
31	2970	---	2660	2070	---	2480	---	2600	---	2980	2390	---

TOTAL	93410	80740	83480	77750	70940	77930	79860	85470	78520	78570	85490	74330
MEAN	3013	2691	2693	2508	2534	2514	2662	2757	2617	2535	2758	2478
MAX	3330	3090	3040	2820	2820	2780	3060	3030	3050	3080	3180	3060
MIN	2610	2010	1990	1960	1960	2070	2020	1990	2080	1620	2220	1690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 1999, BY WATER YEAR (WY)

MEAN	2938	2652	2518	2490	2503	2521	2596	2550	2527	2537	2612	2640
MAX	3031	2691	2693	2535	2567	2562	2662	2824	2805	2655	2863	2864
(WY)	1998	1999	1999	1998	1998	1998	1999	1997	1997	1997	1997	1997
MIN	2769	2593	2325	2427	2408	2487	2497	2070	2159	2422	2216	2478
(WY)	1997	1997	1997	1997	1997	1997	1998	1998	1998	1998	1998	1999

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1997 - 1999	
ANNUAL TOTAL	912490		966490			
ANNUAL MEAN	2500		2648		2591	
HIGHEST ANNUAL MEAN					2648 1999	
LOWEST ANNUAL MEAN					2487 1998	
HIGHEST DAILY MEAN	3330	Oct 21	3330	Oct 21	3330	Oct 21 1998
LOWEST DAILY MEAN	1530	Jun 30	1620	Jul 4	1500	Dec 25 1996
ANNUAL SEVEN-DAY MINIMUM	1740	Jun 29	2030	Jul 1	1740	Jun 29 1998
INSTANTANEOUS PEAK STAGE			8.63	Oct 21	8.63	Oct 21 1998
10 PERCENT EXCEEDS	2970		3020		3000	
50 PERCENT EXCEEDS	2510		2670		2610	
90 PERCENT EXCEEDS	1970		2220		2080	