

SAVANNAH RIVER BASIN

02196485 AUGUSTA CANAL NEAR AUGUSTA, GA

LOCATION.--Lat 33°32'57'', long 82°02'17'', Columbia County, Hydrologic Unit 03060106, on right bank about 1,000 ft downstream of the Augusta City Lock and Dam near Augusta, Ga.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Data collection platform. Datum of gage is 148.92 ft 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 (sta 02196500) is used in conjunction with this station for computation of discharge.

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	1910	2110	2400	1920	2370	1590	1470	1480	2810	1480	e2950	2760
2	1720	2250	2140	1670	2150	1340	1250	1750	2770	1460	e2660	2410
3	1760	2350	2140	1910	2110	1270	1370	1670	2390	1620	2500	2270
4	2200	2320	1840	2000	2020	1230	1190	1650	2280	1800	2470	2140
5	2530	2200	1730	2180	2110	1370	1240	1570	2420	1620	2610	2170
6	2500	2150	2040	2250	2180	1210	1290	1620	2180	1590	2430	2510
7	2570	1870	2110	2150	2350	1200	1360	1680	2050	1600	2760	2830
8	2670	1920	2180	2110	2410	1190	1280	1600	2410	1380	2840	2800
9	2130	2480	2120	1980	2490	1190	1140	1630	2450	1430	3100	2520
10	2010	2210	2020	1800	2420	1190	1330	1780	2420	1570	2890	2270
11	2370	2300	1990	1910	2540	1230	1370	1800	2360	1840	3030	2680
12	2430	2210	1830	2150	2050	1210	1300	1800	2570	2340	2950	2870
13	2640	2210	1910	2130	2050	1230	1170	1790	2610	2380	2300	2880
14	2550	1870	2220	2110	2170	1190	1170	1780	2760	2370	2830	3150
15	2540	2150	2200	2090	2170	1190	1170	1700	2620	2260	3100	3110
16	1970	2320	2200	1930	2170	1230	1170	1750	2660	1980	3220	2760
17	1960	2710	2190	1900	2210	1210	1240	2220	2730	2450	3220	2230
18	2470	2370	2070	1760	2150	1180	1270	2420	2540	2800	3030	2590
19	2610	2270	1830	2050	2100	1190	1280	2460	2430	2800	2810	2960
20	2530	1910	2060	2050	2120	1330	1220	2300	2510	2660	2420	3160
21	2480	1600	2020	2170	2220	1260	1650	2170	1280	2950	2740	3110
22	2560	2110	2320	2120	2230	1230	1640	2210	1190	2570	2990	2450
23	2260	2150	2100	1910	2180	1260	1540	2460	1230	2270	3030	2400
24	1790	2000	1830	1790	2280	1210	1340	2730	1300	2500	3070	2390
25	2210	1830	1810	2080	2330	1300	1340	2770	1300	2520	2750	2500
26	2390	1790	1770	2290	2540	1240	1340	2710	1510	2770	2680	2280
27	2310	1850	1700	2480	2320	1220	1340	2380	1540	2740	2340	2670
28	2700	1760	1820	2420	2200	1230	1180	2400	1580	2370	2750	2710
29	2450	2190	2050	2300	e2100	1380	1280	2460	1180	2380	3060	2910
30	2130	2180	2050	1910	---	1340	1460	2400	1210	2490	3010	2680
31	1890	---	1950	2340	---	1220	---	2570	---	2780	2780	---
TOTAL	71240	63640	62640	63860	64740	38860	39390	63710	63290	67770	87320	79170
MEAN	2298	2121	2021	2060	2232	1254	1313	2055	2110	2186	2817	2639
MAX	2700	2710	2400	2480	2540	1590	1650	2770	2810	2950	3220	3160
MIN	1720	1600	1700	1670	2020	1180	1140	1480	1180	1380	2300	2140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
MEAN	2778	2520	2393	2383	2433	2204	2275	2427	2423	2449	2663	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	2298	2121	2021	2060	2232	1254	1313	2055	2110	2186	2216	2478		
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1998	1999		

SUMMARY STATISTICS	02196485 AUGUSTA CANAL NEAR AUGUSTA, GA--Continued		WATER YEARS 1997 - 2000	
	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR		
ANNUAL TOTAL	906380	765630		
ANNUAL MEAN	2483	2092	2466	
HIGHEST ANNUAL MEAN			2648	1999
LOWEST ANNUAL MEAN			2092	2000
HIGHEST DAILY MEAN	3180	Aug 27	3220	Aug 16
LOWEST DAILY MEAN	1600	Nov 21	1140	Apr 9
ANNUAL SEVEN-DAY MINIMUM	1810	Sep 27	1200	Mar 6
INSTANTANEOUS PEAK STAGE			8.06	Aug 16
10 PERCENT EXCEEDS	2950		2980	8.63
50 PERCENT EXCEEDS	2480		2540	
90 PERCENT EXCEEDS	1970		1830	

e Estimated

