Water-Data Report 2011

02196485 AUGUSTA CANAL NR AUGUSTA (UPPER)

Savannah Basin
Middle Savannah Subbasin

LOCATION.--Lat 33°32′57″, long 82°02′13″ referenced to North American Datum of 1927, Columbia County, GA, Hydrologic Unit 03060106, gage is on left bank, 250 ft downstream of the Augusta Canal Lock and Dam.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1996 to July 2003, October 2007 to current year.

GAGE.--Data collection platform and acoustic velocity meter. Datum of gage is 148.92 ft above NGVD of 1929. Prior to October 1, 2007, at different site at same datum.

REMARKS.--Records poor. Flow regulated by gate operations at Augusta City Lock and Dam. Discharge records for 1997-2003 water years were computed by utilization of the One-Dimensional flow simulation model (BRANCH) and are rated poor.

02196485 AUGUSTA CANAL NR AUGUSTA (UPPER)—Continued

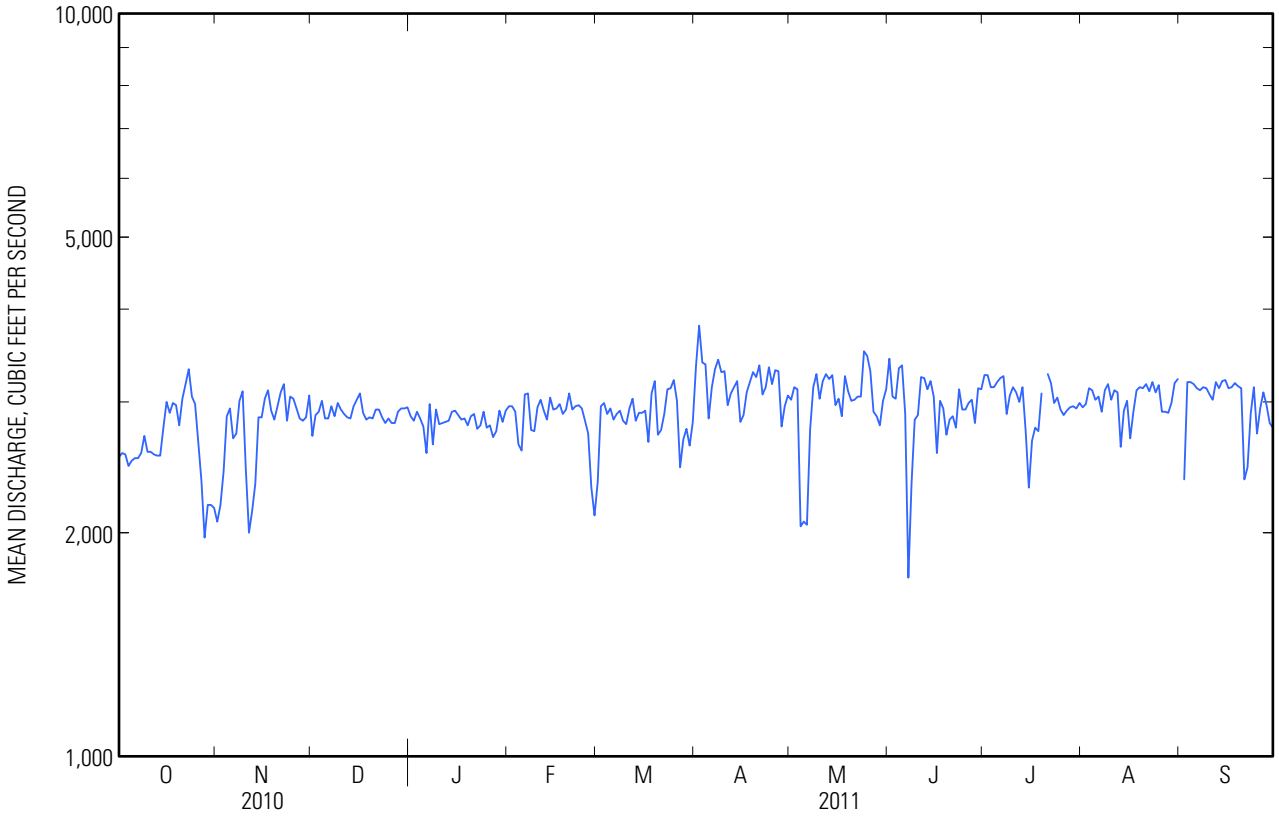
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,530	2,070	2,700	2,870	2,960	2,340	3,350	3,020	3,430	3,260	2,950	---
2	2,560	2,180	2,880	2,830	2,960	2,960	3,800	3,140	3,050	3,260	2,980	2,360
3	2,550	2,420	2,910	2,910	2,910	2,990	3,390	3,120	3,030	3,140	3,130	3,190
4	2,460	2,870	3,010	2,850	2,630	2,890	3,370	2,040	3,330	3,140	3,110	3,190
5	2,500	2,940	2,850	2,780	2,580	2,940	2,850	2,070	3,360	3,190	3,020	3,170
6	2,520	2,680	2,850	2,560	3,070	2,840	3,140	2,050	2,890	3,230	3,050	3,130
7	2,520	2,720	2,960	2,980	3,080	2,890	3,320	2,750	1,740	3,250	2,910	3,110
8	2,560	3,010	2,870	2,630	2,750	2,920	3,420	3,140	2,330	2,890	3,110	3,140
9	2,700	3,100	2,990	2,930	2,740	2,830	3,290	3,270	2,840	3,060	3,170	3,130
10	2,570	2,440	2,930	2,800	2,950	2,800	3,300	3,030	2,880	3,140	3,020	3,070
11	2,570	2,000	2,890	2,810	3,020	2,940	2,970	3,200	3,240	3,090	3,110	3,020
12	2,550	2,140	2,860	2,820	2,920	3,030	3,080	3,270	3,230	3,000	3,090	3,190
13	2,540	2,330	2,850	2,830	2,840	2,830	3,140	3,220	3,120	3,140	2,610	3,130
14	2,540	2,860	2,960	2,910	3,040	2,900	3,200	3,260	3,200	2,740	2,920	3,200
15	2,770	2,860	3,020	2,920	2,930	2,900	2,820	2,970	3,050	2,300	3,010	3,210
16	3,000	3,030	3,080	2,880	2,940	2,920	2,880	3,030	2,560	2,660	2,680	3,130
17	2,900	3,110	2,900	2,840	2,980	2,650	3,090	2,870	3,010	2,770	2,910	3,140
18	2,990	2,920	2,840	2,850	2,890	3,080	3,190	3,250	2,940	2,740	3,110	3,180
19	2,970	2,840	2,860	2,790	2,930	3,200	3,290	3,100	2,710	3,080	3,140	3,150
20	2,790	2,960	2,850	2,870	3,080	2,710	3,240	3,010	2,840	---	3,130	3,130
21	3,030	3,090	2,930	2,890	2,930	2,750	3,360	3,020	2,870	3,270	3,170	2,360
22	3,170	3,170	2,930	2,760	2,960	2,890	3,070	3,050	2,770	3,180	3,100	2,450
23	3,320	2,830	2,860	2,790	2,970	3,120	3,140	3,050	3,120	2,990	3,190	2,890
24	3,050	3,050	2,810	2,910	2,940	3,130	3,340	3,510	2,930	3,040	3,090	3,140
25	2,980	3,030	2,850	2,770	2,830	3,210	3,170	3,460	2,930	2,930	3,160	2,720
26	2,650	2,940	2,810	2,790	2,720	3,010	3,310	3,300	2,990	2,880	2,910	2,940
27	2,350	2,850	2,810	2,690	2,300	2,450	3,300	2,910	3,020	2,920	2,910	3,090
28	1,970	2,830	2,910	2,740	2,110	2,670	2,780	2,870	2,810	2,950	2,900	2,970
29	2,180	2,860	2,940	2,920	---	2,760	2,960	2,790	3,130	2,960	2,990	2,810
30	2,180	3,060	2,940	2,820	---	2,620	3,060	3,010	3,120	2,940	3,180	2,770
31	2,160	---	2,950	2,920	---	2,820	---	3,120	---	2,990	3,220	---
Max	3,320	3,170	3,080	2,980	3,080	3,210	3,800	3,510	3,430	---	3,220	---
Min	1,970	2,000	2,700	2,560	2,110	2,340	2,780	2,040	1,740	---	2,610	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Max	3,185	3,065	2,897	2,877	2,910	2,871	3,211	3,320	3,220	3,345	3,336	3,272
(WY)	(2009)	(2009)	(2011)	(2008)	(2008)	(2011)	(2008)	(2008)	(2008)	(2010)	(2008)	(2008)
Min	2,298	2,121	2,021	2,060	2,232	1,254	1,313	2,055	2,110	2,186	2,216	2,412
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(1998)	(2002)

02196485 AUGUSTA CANAL NR AUGUSTA (UPPER)—Continued

SUMMARY STATISTICS

	Water Years 1997 - 2011	
Highest daily mean	3,800	Apr 2, 2011
Lowest daily mean	1,140	Apr 9, 2000
Annual seven-day minimum	1,200	Mar 6, 2000
Maximum peak flow	4,960	Jun 7, 2010
Maximum peak stage	8.63	Oct 21, 1998