



Water-Data Report 2011

02196999 SAVANNAH RIVER AT NEW SAVANNAH BLUFF LOCK AND DAM AT AUGUSTA, GA

Savannah Basin
Middle Savannah Subbasin

LOCATION.--Lat 33°22'23", long 81°56'32" referenced to North American Datum of 1927, Richmond County, GA, Hydrologic Unit 03060106, at New Savannah Bluff lock and dam, 0.3 mi upstream from Butler Creek, 12.0 mi downstream from Augusta, and at mile 187.5.

DRAINAGE AREA.--7,508 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1989 to September 2001, October 2004 to current year. Records prior to 1989 are in the files of the U.S. Geological Survey.

GAGE.--Data collection platform. Datum of gage is NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to October 1, 2006 at same site at datum 4.0 ft higher. Prior to October 1, 2008 at same site at datum 96.58 ft.

REMARKS.--Gage height affected by regulation from Thurmond Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height 116.81 ft, Nov. 18, 2006; minimum gage height, less than 101.08 ft, Jan. 17-20, 2000.
Extremes adjusted to current datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 116.43 ft, Mar. 29; minimum gage height, 112.09 ft, Mar. 29.

02196999 SAVANNAH RIVER AT NEW SAVANNAH BLUFF LOCK AND DAM AT AUGUSTA, GA—Continued
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October				November				December			
1	115.79	115.32	115.66	115.61	115.31	115.51	115.78	115.30	115.61	115.75	115.47	115.60
2	115.77	115.44	115.66	115.75	115.61	115.72	115.82	115.27	115.55	115.74	115.55	115.65
3	115.83	115.50	115.69	115.77	115.44	115.65	115.88	115.53	115.70	115.69	115.48	115.58
4	115.73	115.39	115.61	115.82	115.03	115.47	115.97	115.53	115.71	115.69	115.32	115.58
5	115.89	115.46	115.74	115.94	115.39	115.76	115.88	115.32	115.68	115.69	115.54	115.62
6	115.79	115.47	115.62	115.87	115.25	115.61	115.83	115.45	115.58	115.78	115.35	115.56
7	115.68	115.05	115.37	115.68	115.32	115.57	115.77	115.41	115.57	115.82	115.14	115.60
8	115.87	115.24	115.58	115.79	115.30	115.56	115.78	115.34	115.60	115.60	115.26	115.49
9	115.69	115.33	115.58	115.76	115.34	115.56	115.67	115.42	115.53	115.61	115.42	115.46
10	115.66	115.51	115.57	115.77	115.36	115.56	115.79	115.64	115.69	115.86	115.59	115.72
11	115.76	115.66	115.71	115.78	115.60	115.65	115.78	115.54	115.66	115.78	115.43	115.66
12	115.82	115.50	115.66	115.67	115.53	115.62	115.77	115.54	115.67	115.70	115.44	115.56
13	115.90	115.53	115.71	115.86	115.66	115.74	115.77	115.59	115.69	115.56	115.43	115.47
14	115.96	115.63	115.82	115.82	115.42	115.62	115.61	115.54	115.57	115.79	115.47	115.64
15	115.63	115.37	115.53	115.59	115.43	115.53	115.57	115.36	115.48	115.73	115.53	115.62
16	115.61	115.37	115.54	115.77	115.30	115.60	115.78	115.41	115.60	115.61	115.50	115.56
17	115.66	115.55	115.63	115.56	115.19	115.42	115.63	115.45	115.53	115.62	115.50	115.57
18	115.71	115.62	115.67	115.68	115.56	115.62	115.65	115.42	115.52	115.69	115.54	115.60
19	115.66	115.45	115.61	115.72	115.51	115.64	115.55	115.35	115.42	115.77	115.50	115.63
20	115.77	115.45	115.69	115.94	115.35	115.63	115.78	115.55	115.69	115.78	115.55	115.66
21	115.78	115.54	115.67	115.95	115.82	115.90	115.74	115.63	115.69	115.72	115.50	115.60
22	115.76	115.61	115.73	115.86	115.28	115.53	115.70	115.56	115.63	115.68	115.52	115.62
23	115.82	115.62	115.74	115.79	115.59	115.71	115.66	115.51	115.58	115.69	115.48	115.56
24	115.86	115.62	115.74	115.68	115.38	115.52	115.70	115.58	115.64	115.77	115.45	115.64
25	115.87	114.96	115.51	115.73	115.54	115.65	115.67	115.49	115.59	115.74	115.54	115.65
26	115.89	114.93	115.50	115.70	115.54	115.60	115.68	115.42	115.54	115.71	115.40	115.54
27	115.88	115.33	115.63	115.82	115.54	115.66	115.67	115.42	115.56	115.72	115.63	115.67
28	115.90	115.49	115.65	115.78	115.40	115.67	115.78	115.52	115.66	115.67	115.51	115.59
29	115.78	115.47	115.63	115.77	115.32	115.54	115.73	115.40	115.56	115.71	115.39	115.55
30	115.75	115.42	115.62	115.73	115.57	115.63	115.67	115.39	115.55	115.69	115.44	115.56
31	115.89	115.54	115.69	---	---	---	115.67	115.07	115.53	115.58	115.50	115.53
Month	115.96	114.93	115.64	115.95	115.03	115.61	115.97	115.07	115.60	115.86	115.14	115.59

02196999 SAVANNAH RIVER AT NEW SAVANNAH BLUFF LOCK AND DAM AT AUGUSTA, GA—Continued
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
February				March				April				May
1	115.50	115.39	115.43	115.98	114.95	115.43	115.82	114.63	115.04	116.01	115.41	115.65
2	115.48	115.40	115.46	115.81	115.59	115.66	115.19	114.04	114.87	115.92	115.30	115.55
3	115.53	115.35	115.45	115.67	115.37	115.49	115.67	115.04	115.43	115.80	115.22	115.51
4	115.59	115.38	115.47	115.52	115.26	115.40	116.17	115.22	115.58	116.06	115.51	115.67
5	115.68	115.14	115.51	115.70	115.44	115.53	116.17	113.79	115.38	115.77	115.04	115.42
6	115.98	115.44	115.59	115.71	115.46	115.62	115.76	115.47	115.60	115.85	115.14	115.45
7	115.65	114.84	115.29	115.78	115.35	115.56	115.81	115.24	115.42	116.09	115.22	115.62
8	115.90	115.53	115.67	115.63	115.37	115.48	115.81	115.32	115.50	115.55	115.14	115.33
9	115.84	115.53	115.67	115.69	115.42	115.54	115.85	115.05	115.49	115.82	115.34	115.55
10	115.80	115.66	115.74	115.65	115.38	115.53	115.70	115.05	115.33	115.78	115.09	115.52
11	115.73	115.43	115.62	115.89	115.49	115.72	115.84	115.29	115.49	115.94	115.34	115.60
12	115.78	115.41	115.55	115.86	115.11	115.58	115.77	115.10	115.54	115.71	115.37	115.63
13	115.79	115.35	115.58	115.68	115.55	115.62	115.77	115.23	115.49	115.78	115.33	115.65
14	115.79	115.54	115.66	115.78	115.14	115.57	115.83	115.19	115.53	115.37	114.70	115.20
15	115.74	115.34	115.53	115.68	115.58	115.63	115.75	115.40	115.65	115.14	113.88	114.52
16	115.76	115.66	115.72	115.58	115.24	115.49	115.77	115.28	115.55	115.17	113.43	114.10
17	115.75	115.54	115.66	115.69	115.12	115.43	115.89	115.34	115.60	115.76	115.17	115.60
18	115.74	115.44	115.61	115.77	115.35	115.62	115.86	115.06	115.52	115.90	115.35	115.60
19	115.73	115.49	115.62	115.84	115.54	115.64	116.01	115.21	115.63	115.90	115.18	115.54
20	115.62	115.49	115.56	115.72	115.37	115.57	116.05	115.30	115.62	115.96	115.18	115.52
21	115.65	115.39	115.57	115.79	115.33	115.56	116.10	115.44	115.71	115.49	115.01	115.35
22	115.59	115.35	115.49	115.75	115.15	115.54	115.84	115.21	115.52	115.65	115.10	115.47
23	115.78	115.49	115.63	115.91	115.39	115.57	116.28	115.36	115.62	115.52	115.21	115.31
24	115.80	115.44	115.59	115.66	115.44	115.57	115.93	115.16	115.47	115.97	115.25	115.54
25	115.69	115.41	115.53	115.80	115.28	115.58	115.82	115.12	115.50	116.20	115.68	116.05
26	115.56	115.24	115.36	115.81	115.39	115.60	115.86	115.25	115.55	116.09	115.14	115.62
27	115.76	115.05	115.37	115.70	114.85	115.27	115.82	115.25	115.57	115.50	115.03	115.31
28	115.81	115.54	115.69	116.26	115.24	115.63	115.88	114.74	115.39	115.77	115.50	115.66
29	---	---	---	116.43	112.09	114.82	115.82	115.39	115.61	115.80	115.62	115.70
30	---	---	---	116.20	115.16	115.47	115.93	115.38	115.57	115.78	115.61	115.70
31	---	---	---	115.76	114.70	115.25	---	---	---	115.77	115.41	115.64
Month	115.98	114.84	115.56	116.43	112.09	115.52	116.28	113.79	115.49	116.20	113.43	115.47

02196999 SAVANNAH RIVER AT NEW SAVANNAH BLUFF LOCK AND DAM AT AUGUSTA, GA—Continued
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	115.75	115.09	115.58	115.40	114.51	114.85	115.71	115.57	115.67	115.64	115.56	115.61
2	115.73	115.51	115.63	115.68	115.39	115.51	115.62	115.43	115.52	115.80	115.47	115.58
3	115.78	115.51	115.67	115.77	115.34	115.55	115.62	115.39	115.50	115.80	115.50	115.63
4	115.78	115.46	115.67	115.66	115.22	115.42	115.57	115.47	115.52	115.69	115.54	115.61
5	115.80	115.52	115.68	115.70	115.39	115.53	115.93	115.56	115.66	115.64	115.38	115.52
6	115.79	115.09	115.57	115.70	115.36	115.50	115.93	115.27	115.53	115.49	115.39	115.45
7	115.77	115.63	115.70	115.68	115.32	115.53	115.87	115.62	115.76	115.58	115.44	115.51
8	115.80	115.19	115.57	116.13	115.14	115.68	115.95	115.51	115.67	115.63	115.48	115.56
9	115.80	115.49	115.64	116.28	115.36	115.56	115.86	115.54	115.71	115.66	115.52	115.57
10	115.76	115.39	115.58	116.34	115.24	115.74	115.82	115.46	115.64	115.59	115.49	115.56
11	115.76	115.30	115.50	115.85	115.40	115.60	115.62	115.52	115.58	115.78	115.45	115.61
12	115.64	115.42	115.51	115.96	115.35	115.72	115.65	115.53	115.61	115.83	115.50	115.63
13	115.77	115.51	115.63	115.98	115.37	115.66	115.84	115.55	115.70	115.73	115.41	115.62
14	115.83	115.72	115.77	115.93	115.51	115.70	115.79	115.35	115.59	115.77	115.30	115.55
15	115.86	115.21	115.69	115.86	115.42	115.70	115.67	115.43	115.58	115.79	115.54	115.72
16	115.80	115.12	115.56	115.83	115.67	115.74	115.65	115.46	115.59	115.77	115.40	115.61
17	115.96	115.70	115.87	115.73	115.55	115.65	115.64	115.17	115.47	115.72	115.60	115.70
18	115.77	115.20	115.60	115.73	115.45	115.60	115.61	115.37	115.49	115.74	115.51	115.68
19	115.85	115.20	115.66	115.83	115.40	115.57	115.54	115.38	115.44	115.51	115.33	115.42
20	115.89	115.61	115.80	116.29	115.31	115.65	115.61	115.47	115.55	115.76	115.36	115.65
21	115.76	115.59	115.68	116.29	115.47	115.71	115.56	115.40	115.49	115.70	115.51	115.60
22	115.84	115.59	115.72	115.98	115.42	115.65	115.63	115.31	115.51	115.67	115.45	115.58
23	115.87	115.65	115.76	115.97	115.36	115.58	115.61	115.36	115.53	115.69	115.40	115.52
24	115.90	115.63	115.75	115.63	115.42	115.57	115.68	115.47	115.61	115.75	115.52	115.63
25	115.82	115.65	115.74	115.63	115.39	115.49	115.67	115.54	115.60	115.62	115.46	115.56
26	115.91	115.23	115.62	115.73	115.50	115.63	115.57	115.44	115.52	115.66	115.48	115.60
27	115.24	113.63	114.45	115.83	115.28	115.62	115.65	115.52	115.60	115.65	115.47	115.56
28	113.74	113.25	113.46	115.81	115.18	115.60	115.52	115.38	115.46	115.66	115.43	115.53
29	113.54	113.20	113.43	115.78	115.56	115.64	115.44	115.38	115.41	115.50	115.36	115.45
30	114.52	113.31	113.83	115.67	115.47	115.55	115.56	115.44	115.52	115.66	115.40	115.54
31	---	---	---	115.68	115.58	115.62	115.66	115.55	115.60	---	---	---
Month	115.96	113.20	115.41	116.34	114.51	115.58	115.95	115.17	115.57	115.83	115.30	115.58

	Max	Min	Mean
Year	116.43	112.09	115.55

02196999 SAVANNAH RIVER AT NEW SAVANNAH BLUFF LOCK AND DAM AT AUGUSTA, GA—Continued**CLIMATOLOGICAL RECORDS**

PERIOD OF RECORD.--March 1991 to September 2001. October 2004 to current year.

INSTRUMENTATION.--Tipping bucket raingage and data collection platform.

REMARKS.--Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

**PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY SUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.46	0.24	0.23	0.00	0.00	0.00	0.00	0.00	0.01	0.00
2	0.00	0.00	0.00	0.02	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.07
3	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.05	0.00	0.00	0.00	0.00
4	0.00	0.79	0.00	0.00	2.12	0.00	0.00	0.07	0.00	0.00	0.00	0.00
5	0.00	0.01	0.00	0.28	0.45	0.04	0.50	0.00	0.00	0.01	0.00	0.04
6	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.01	0.00	0.01	0.09	0.00
7	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.00
9	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00	0.08	0.17	0.00
10	0.00	0.00	0.00	0.01	0.18	0.01	0.00	0.00	0.00	0.00	0.06	0.00
11	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
12	0.00	0.00	0.12	0.03	0.00	0.00	0.06	0.00	0.06	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.15	0.00
14	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.11	0.00	2.09	0.05	0.00
15	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.37	0.00	0.00	0.12
16	0.00	0.32	0.00	0.00	0.00	0.00	0.06	2.04	0.06	0.00	0.00	0.00
17	0.00	0.00	0.01	0.23	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
18	0.00	0.01	0.31	0.15	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00
19	0.00	0.00	0.00	0.12	0.00	0.17	0.00	0.00	0.00	0.00	0.08	0.00
20	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.13	0.09
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.03
22	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.25	0.00	0.00	0.60
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.03	0.00	0.25
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.55	0.00	0.08	0.32	0.07	0.00	0.00	0.00	0.01	0.36	0.00	0.44
26	0.00	0.12	0.17	0.08	0.00	0.50	0.00	1.63	0.00	0.13	0.00	0.06
27	0.03	0.00	0.00	0.00	0.00	1.00	0.00	0.01	0.00	0.00	0.00	0.01
28	0.12	0.00	0.00	0.00	0.82	0.01	1.04	0.00	0.68	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00
30	0.00	0.05	0.00	0.00	---	0.67	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.02	---	0.46	---	0.00	---	0.10	0.00	---
Total	0.70	1.30	1.15	1.88	4.35	4.14	1.94	3.92	2.27	2.82	0.88	1.71