Water-Data Report 2013

02210500 OCMULGEE RIVER NEAR JACKSON, GA

Altamaha Basin
Upper Ocmulgee Subbasin

LOCATION.--Lat 33°18′28″, long 83°50′18″ referenced to North American Datum of 1927, Butts County, GA, Hydrologic Unit 03070103, on right bank, 1500.0 feet upstream from bridge on GA 16, 1.50 miles downstream from Lloyd Shoals Dam, and 7.0 miles East of Jackson, GA.

DRAINAGE AREA.--1,420 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--
DISCHARGE: May 1906 to September 1915, August 1939 to September 1960, October 1975 to September 1982, March 1987 to current year.
GAGE-HEIGHT: October 1998 to current year.

GAGE.--Satellite telemetry with a water-stage recorder. Datum of gage is 419.29 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1913, staff gages were located at this site. From January 1 to December 31, 1913, a water-stage recorder was located at this site. From January 1, 1914 to December 31, 1915, a staff gage was located at this site. From August 1, 1939 to September 30, 1960 and from October 1, 1975 to September 30, 1982, a water-stage recorder was located at this site. All were at present site and gage datum.

COOPERATION.--Georgia Power Corporation.

REMARKS.--Discharge records fair, except for days of estimated discharge, which are poor. Gage-height records good. Flow regulated by Lloyd Shoals Reservoir since November 1910. Statistics prior to regulation are available upon request.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage-height recorded, 68,500 cfs, July 6, 1994; maximum gage-height recorded, 26.87 feet, July 6, 1994; minimum daily discharge, 18 cfs, November 10, 1910.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage-height, 26.8 feet, Dec. 11, 1919, from graph based on gage readings, discharge, 69,000 cfs, by computation of flow over dam.

EXTREMES FOR PERIOD PRIOR TO REGULATION.--Maximum daily discharge, 25,400 cfs, June 13, 1906; minimum daily discharge, 300 cfs, September 2, 1907.

EXTREMES FOR CURRENT YEAR.--Maximum discharge recorded, 21,800 cfs, May 5; maximum gage-height recorded, 13.19 feet, May 5; minimum gage-height recorded, 3.68 feet, October 1, 29; minimum daily discharge, 258 cfs, November 2-3, 9-11, 17-26, 29.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 02210500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02210500.2013.pdf

02210500 OCMULGEE RIVER NEAR JACKSON, GA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	264	262	260	1,250	4,220	3,740	2,540	3,240	886	1,630	680	411
2	1,110	258	259	2,070	1,880	3,170	3,150	1,540	e800	1,600	665	954
3	4,640	258	261	2,740	1,440	3,170	3,150	1,220	e1,000	1,820	645	1,570
4	3,430	260	261	2,900	1,200	1,560	3,150	1,590	2,100	2,820	1,050	1,600
5	1,410	259	263	2,380	1,050	1,550	3,170	10,400	2,200	2,940	1,130	1,080
6	958	264	263	622	871	1,550	3,160	17,400	2,750	6,510	1,320	727
7	958	263	263	446	1,030	1,550	2,160	e10,000	4,840	6,910	750	410
8	958	261	263	404	1,960	1,550	1,250	e6,000	3,230	5,240	1,090	407
9	708	258	263	407	1,760	1,550	1,940	e4,300	2,170	3,970	2,550	403
10	422	258	339	520	1,240	1,250	2,010	e3,300	3,070	3,000	1,780	402
11	357	258	907	946	3,370	971	2,000	3,300	3,070	4,220	1,130	402
12	273	260	1,010	920	8,160	2,390	2,440	2,190	3,030	4,390	1,720	402
13	267	260	776	920	6,040	3,020	3,210	1,260	2,630	3,250	1,250	402
14	267	259	285	494	4,300	2,700	3,210	1,640	1,730	4,010	1,400	925
15	269	263	266	425	2,850	1,840	3,220	1,950	1,350	3,550	1,390	402
16	267	261	264	791	2,080	1,080	2,030	1,880	1,390	2,600	1,430	372
17	266	258	477	3,240	1,550	1,080	1,670	1,110	2,110	1,240	2,070	427
18	267	258	990	3,520	1,030	1,090	1,220	698	4,410	3,320	1,020	438
19	267	258	1,010	2,970	1,350	2,480	1,220	1,890	5,890	4,680	2,570	433
20	266	258	1,000	1,420	1,480	2,080	2,200	3,460	4,010	3,620	3,300	433
21	265	258	1,010	513	2,210	1,530	2,230	3,930	2,990	2,100	3,290	434
22	264	258	1,000	821	2,510	1,530	1,790	e3,950	1,910	3,690	4,130	1,440
23	267	258	1,010	875	8,410	1,540	1,230	3,400	831	3,740	3,700	1,830
24	267	258	1,020	971	10,900	4,290	1,240	1,780	1,050	2,940	2,180	991
25	267	258	1,450	971	6,640	7,130	1,240	1,420	1,190	1,960	2,050	788
26	267	258	3,710	971	6,920	5,730	1,240	1,130	1,310	1,320	1,910	735
27	267	259	4,770	919	10,200	3,770	1,240	903	1,780	1,220	1,260	910
28	266	261	4,040	831	6,850	1,640	754	721	1,810	1,280	1,150	718
29	269	258	2,890	834	---	1,610	2,600	680	2,540	1,570	872	1,060
30	269	260	1,820	837	---	1,620	4,890	881	2,530	2,010	697	944
31	266	---	1,020	2,230	---	1,620	---	946	---	1,870	417	---
Total	20,558	7,780	33,420	40,158	103,501	71,381	66,554	98,109	70,607	95,020	50,596	22,450
Mean	663	259	1,078	1,295	3,696	2,303	2,218	3,165	2,354	3,065	1,632	748
Max	4,640	264	4,770	3,520	10,900	7,130	4,890	17,400	5,890	6,910	4,130	1,830
Min	264	258	259	404	871	971	754	680	800	1,220	417	372
Cfsm	0.47	0.18	0.76	0.91	2.60	1.62	1.56	2.23	1.66	2.16	1.15	0.53
In.	0.54	0.20	0.88	1.05	2.71	1.87	1.74	2.57	1.85	2.49	1.33	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2013, BY WATER YEAR (WY)

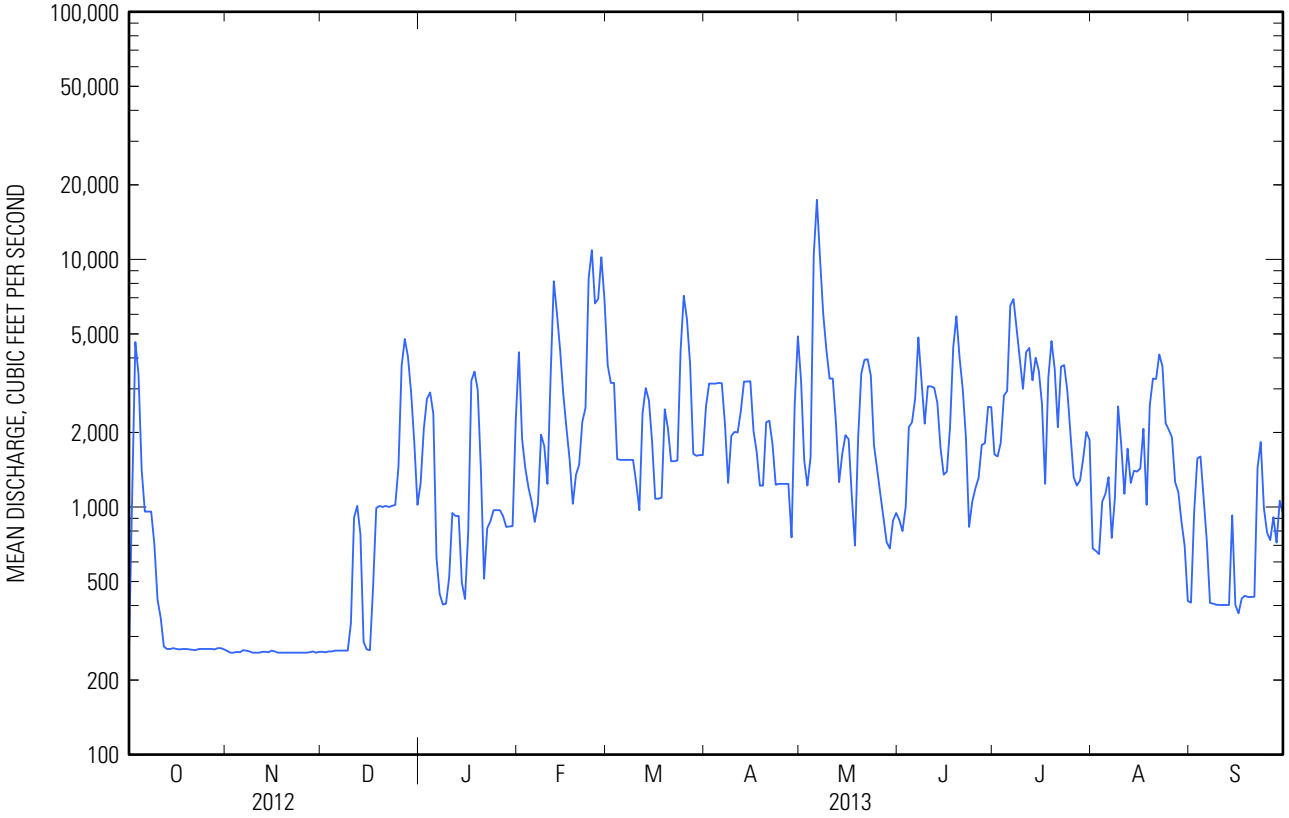
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,082	1,401	1,704	2,234	2,744	3,323	2,322	1,668	1,283	1,344	986	1,008
Max	4,805	7,493	5,747	6,735	6,788	7,434	5,949	7,038	4,496	7,089	3,002	4,899
(WY)	(1996)	(1949)	(2010)	(1946)	(1998)	(1952)	(1979)	(2003)	(1912)	(1994)	(1994)	(2004)
Min	119	98.6	370	593	910	906	632	443	275	155	253	241
(WY)	(1955)	(1955)	(1955)	(1956)	(1941)	(1988)	(2012)	(2012)	(2012)	(1988)	(1988)	(2011)

02210500 OCMULGEE RIVER NEAR JACKSON, GA—Continued

SUMMARY STATISTICS

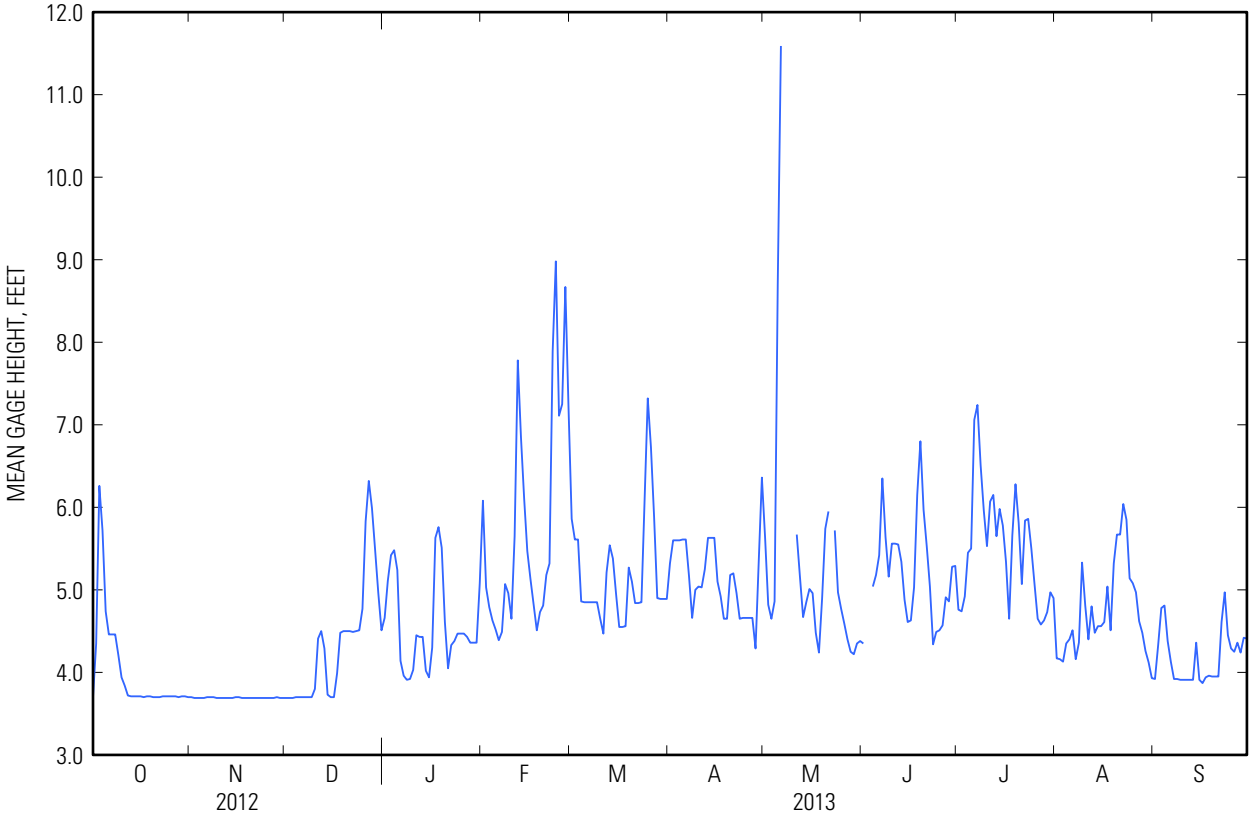
	Calendar Year 2012		Water Year 2013		Water Years 1911 - 2013	
Annual total	256,119		680,134			
Annual mean	700		1,863		1,757	
Highest annual mean					3,272	2003
Lowest annual mean					694	2012
Highest daily mean	5,890	Mar 5	17,400	May 6	62,900	Jul 6, 1994
Lowest daily mean	251	Jul 3	258	Nov 2 [a]	18	Nov 20, 1910
Annual seven-day minimum	252	Sep 23	258	Nov 17	75	Nov 19, 1954
Maximum peak flow			21,800	May 5	68,500	Jul 6, 1994
Maximum peak stage			13.19	May 5	26.87	Jul 6, 1994
Annual runoff (cfsm)	0.493		1.31		1.24	
Annual runoff (inches)	6.71		17.82		16.81	
10 percent exceeds	1,330		3,940		3,230	
50 percent exceeds	357		1,260		1,110	
90 percent exceeds	258		263		441	

[a] Also November 3, 9-11, 17-26, 29.



02210500 OCMULGEE RIVER NEAR JACKSON, GA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.70	3.70	3.69	4.66	6.08	5.86	5.32	5.64	4.35	4.76	4.17	3.92
2	4.35	3.69	3.69	5.11	5.03	5.61	5.60	4.82	---	4.74	4.16	4.33
3	6.26	3.69	3.69	5.42	4.79	5.61	5.60	4.65	---	4.92	4.13	4.78
4	5.72	3.69	3.70	5.48	4.63	4.86	5.60	4.86	5.04	5.45	4.35	4.81
5	4.74	3.69	3.70	5.24	4.52	4.85	5.61	8.70	5.18	5.50	4.40	4.38
6	4.46	3.70	3.70	4.14	4.39	4.85	5.61	11.59	5.42	7.06	4.51	4.13
7	4.46	3.70	3.70	3.96	4.49	4.85	5.17	---	6.35	7.24	4.16	3.92
8	4.46	3.70	3.70	3.91	5.07	4.85	4.66	---	5.64	6.51	4.36	3.92
9	4.21	3.69	3.70	3.92	4.96	4.85	5.00	---	5.16	5.96	5.33	3.91
10	3.94	3.69	3.80	4.03	4.65	4.65	5.04	---	5.56	5.53	4.81	3.91
11	3.84	3.69	4.41	4.45	5.65	4.47	5.03	5.67	5.56	6.07	4.40	3.91
12	3.72	3.69	4.50	4.43	7.78	5.21	5.25	5.16	5.55	6.15	4.80	3.91
13	3.71	3.69	4.29	4.43	6.85	5.54	5.63	4.67	5.34	5.65	4.48	3.91
14	3.71	3.69	3.73	4.02	6.11	5.38	5.63	4.85	4.88	5.98	4.56	4.36
15	3.71	3.70	3.70	3.94	5.47	4.95	5.63	5.01	4.61	5.78	4.56	3.91
16	3.71	3.70	3.70	4.30	5.13	4.55	5.10	4.96	4.63	5.34	4.61	3.87
17	3.70	3.69	3.99	5.63	4.82	4.55	4.92	4.48	5.03	4.65	5.04	3.94
18	3.71	3.69	4.48	5.76	4.51	4.56	4.65	4.24	6.15	5.66	4.51	3.96
19	3.71	3.69	4.50	5.51	4.73	5.27	4.65	4.90	6.80	6.28	5.32	3.95
20	3.70	3.69	4.50	4.61	4.81	5.10	5.18	5.74	5.97	5.81	5.67	3.95
21	3.70	3.69	4.50	4.05	5.18	4.84	5.20	5.95	5.53	5.07	5.67	3.95
22	3.70	3.69	4.49	4.33	5.32	4.84	4.96	---	5.04	5.84	6.04	4.61
23	3.71	3.69	4.50	4.38	7.89	4.85	4.65	5.72	4.34	5.86	5.85	4.97
24	3.71	3.69	4.51	4.47	8.98	6.09	4.66	4.97	4.49	5.50	5.14	4.45
25	3.71	3.69	4.77	4.47	7.11	7.32	4.66	4.77	4.51	5.07	5.08	4.29
26	3.71	3.69	5.83	4.47	7.25	6.73	4.66	4.59	4.57	4.65	4.97	4.25
27	3.71	3.69	6.32	4.43	8.67	5.88	4.66	4.40	4.91	4.58	4.62	4.36
28	3.70	3.70	5.99	4.36	7.21	4.90	4.29	4.25	4.86	4.63	4.48	4.24
29	3.71	3.69	5.48	4.36	---	4.89	5.34	4.22	5.28	4.73	4.26	4.42
30	3.71	3.69	4.96	4.36	---	4.89	6.36	4.35	5.29	4.97	4.12	4.41
31	3.70	---	4.51	5.08	---	4.89	---	4.38	---	4.90	3.93	---
Mean	4.01	3.69	4.35	4.57	5.79	5.18	5.14	---	---	5.51	4.73	4.19
Max	6.26	3.70	6.32	5.76	8.98	7.32	6.36	---	---	7.24	6.04	4.97
Min	3.70	3.69	3.69	3.91	4.39	4.47	4.29	---	---	4.58	3.93	3.87

02210500 OCMULGEE RIVER NEAR JACKSON, GA—Continued