

ALTAMAHA RIVER BASIN

02210500

OCMULGEE RIVER NEAR JACKSON, GA.

Latitude: 33° 18' 28" Longitude: 83° 50' 18" Hydrologic Unit Code: 03070103

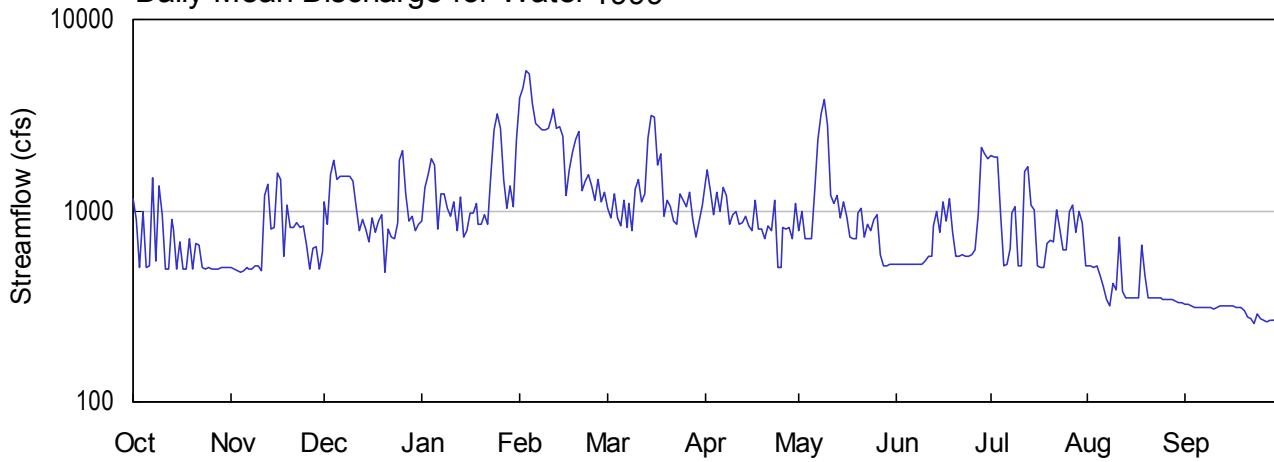
Butts County

Drainage Area: 1420.0 mi<sup>2</sup>

Datum: 419.2 feet

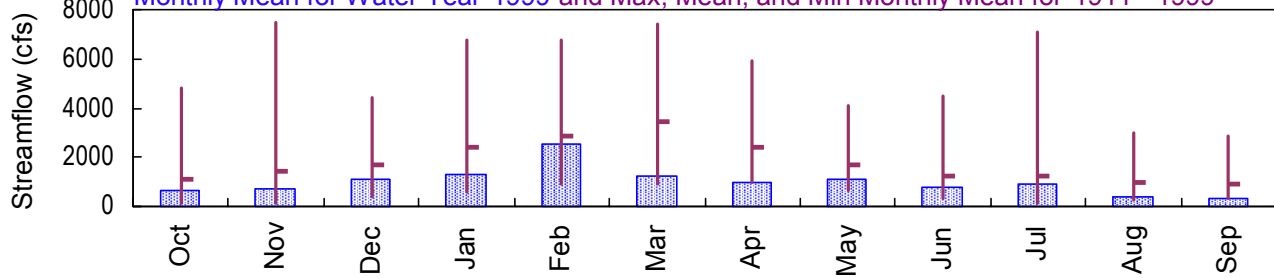
Period of Record: 1911 - 1999

Daily Mean Discharge for Water 1999

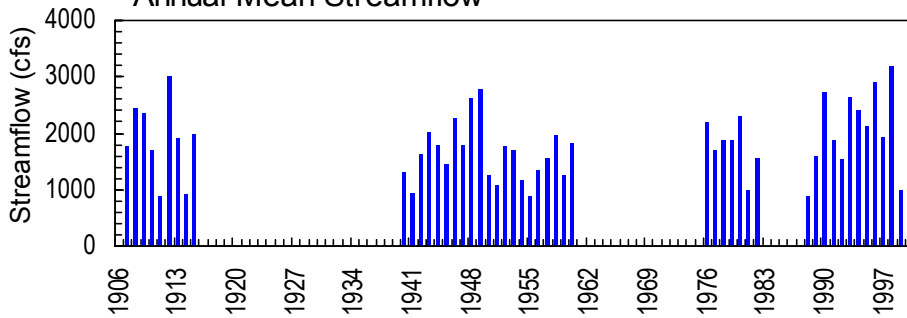


Monthly Statistics

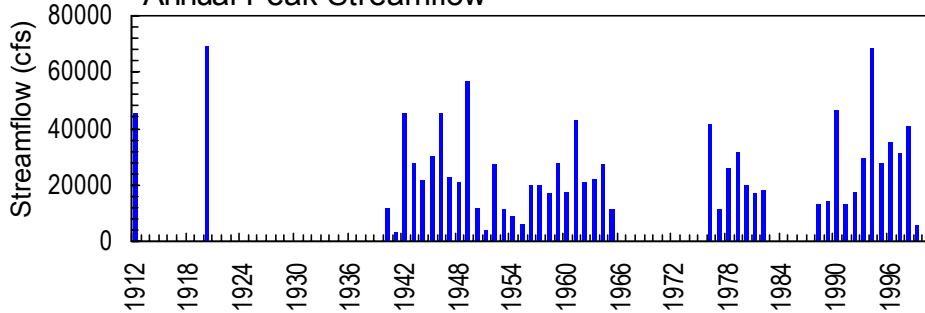
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1911 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



**ALTAMAHA RIVER BASIN**  
**1999 Water Year**

**02210500 OCMULGEE RIVER NEAR JACKSON, GA**

**LOCATION.**--Lat 33°18'27", long 83°50'18", Butts-Jasper County line, Hydrologic Unit 03070103, on right bank 500 feet upstream from bridge on State Highway 16, 0.5 miles upstream from Yellow Water Creek, 1 miles downstream from Lloyd Shoals Dam, and 7 miles east of Jackson.

**DRAINAGE AREA.**--1,420 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--May 1906 to September 1915, August 1939 to September 1960, October 1975 to September 1982, March 1987 to current year.

**GAGE.**--Water stage recorder. Datum of gage is 419.29 feet above sea level. Prior to Jan. 1, 1913, staff gages; Jan. 1 to Dec. 31, 1913, water-stage recorder; Jan. 1, 1914 to Dec. 31, 1915, staff gage; and Aug. 1, 1939 to Sept. 30, 1960 and Oct. 1, 1975 to Sept. 30, 1982, water-stage recorder, all at present site and datum.

**REMARKS.**--Records good. Flow regulated by Lloyd Shoals Reservoir since November 1910 (see "Lakes and Reservoirs in the Altamaha River Basin," station 02210000).

**AVERAGE DISCHARGE.**--49 years (1907-15, 1940-60, 1976-82, 1988-current year), 1,805 ft<sup>3</sup>/s, 17.26 in/yr, unadjusted.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Maximum stage, 26.8 feet, Dec. 11, 1919, from graph based on gage readings, discharge, 69,000 ft<sup>3</sup>/s, by computation of flow over dam.

STATION NUMBER 02210500 OCMULGEE RIVER NEAR JACKSON, GA. STREAM SOURCE AGENCY USGS  
 LATITUDE 331828 LONGITUDE 0835018 DRAINAGE AREA 1420.00 DATUM 419.29 STATE 13 COUNTY 035

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	1150	504	1110	888	3880	1020	1430	786	520	1930	516	323
2	906	499	849	1310	4350	916	1630	984	521	1910	516	326
3	506	487	1540	1550	5380	1230	1270	710	523	1900	502	319
4	983	476	1840	1880	5170	910	957	710	523	945	513	311
5	507	488	1460	1720	3630	826	1260	708	526	519	457	311
6	510	500	1500	799	2880	1140	1000	1280	524	522	398	310
7	1490	495	1500	1230	2730	821	1320	2340	521	641	342	309
8	545	495	1510	1220	2660	1090	1190	3210	525	975	315	309
9	1360	519	1500	1030	2660	793	848	3830	529	1040	419	309
10	944	511	1420	942	2710	1290	952	2780	546	512	388	305
11	499	488	1040	1120	3060	1450	1000	1210	583	516	729	310
12	499	1200	779	785	3420	1110	852	1100	581	1610	378	318
13	899	1370	895	1180	2720	1220	869	1200	825	1690	351	318
14	800	796	809	723	2750	2420	941	922	999	1080	347	318
15	494	810	682	789	2440	3120	832	1110	764	1010	349	316
16	688	1560	910	970	1210	3100	788	942	1120	510	352	316
17	498	1460	776	971	1650	1730	1140	727	874	507	351	314
18	499	582	886	1090	2030	1970	806	719	1150	507	656	314
19	712	1080	961	845	2370	931	806	720	768	675	459	312
20	495	811	478	849	2600	1130	709	980	582	701	350	299
21	676	822	801	946	1280	1050	831	1020	580	693	350	279
22	656	871	734	847	1430	884	788	727	584	1010	351	272
23	500	813	717	1540	1550	842	1130	842	580	801	349	255
24	499	830	863	2660	1340	1220	503	792	581	624	353	288
25	500	664	1820	3220	1140	1140	504	900	589	628	345	273
26	497	495	2060	2690	1450	1050	818	947	620	1000	342	265
27	496	636	1230	1470	1120	1240	808	592	952	1070	345	264
28	493	652	883	1020	1240	902	817	518	2160	766	341	265
29	503	496	926	1360	---	733	710	518	1980	994	336	267
30	504	617	791	1040	---	882	1100	520	1870	873	333	271
31	504	---	857	2340	---	1080	---	520	---	518	328	---

TOTAL	20812	22027	34127	41024	70850	39240	28609	34864	24000	28677	12461	8966
MEAN	671	734	1101	1323	2530	1266	954	1125	800	925	402	299
MAX	1490	1560	2060	3220	5380	3120	1630	3830	2160	1930	729	326
MIN	493	476	478	723	1120	733	503	518	520	507	315	255
CFSM	.47	.52	.78	.93	1.78	.89	.67	.79	.56	.65	.28	.21
IN.	.55	.58	.89	1.07	1.86	1.03	.75	.91	.63	.75	.33	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1999, BY WATER YEAR (WY)

MEAN	1117	1406	1672	2379	2848	3441	2428	1664	1265	1259	1001	919
MAX	4805	7493	4427	6735	6788	7434	5949	4073	4496	7089	3002	2842
(WY)	1996	1949	1993	1946	1998	1952	1979	1980	1912	1994	1994	1994
MIN	119	98.6	370	593	910	906	954	655	308	155	253	299
(WY)	1955	1955	1955	1956	1941	1988	1999	1988	1988	1988	1988	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1911 - 1999

ANNUAL TOTAL	965177	365657	
ANNUAL MEAN	2644	1002	1782
HIGHEST ANNUAL MEAN			3165 1998
LOWEST ANNUAL MEAN			866 1955
HIGHEST DAILY MEAN	38600 Mar 9	5380 Feb 3	62900 Jul 6 1994
LOWEST DAILY MEAN	476 Nov 4	255 Sep 23	18 Nov 20 1910
ANNUAL SEVEN-DAY MINIMUM	491 Nov 2	268 Sep 23	75 Nov 19 1954
INSTANTANEOUS PEAK FLOW		5860 Feb 3	68500 Jul 6 1994
INSTANTANEOUS PEAK STAGE		6.79 Feb 3	26.87 Jul 6 1994
ANNUAL RUNOFF (CFSM)	1.86	.71	1.26
ANNUAL RUNOFF (INCHES)	25.28	9.58	17.05
10 PERCENT EXCEEDS	4700	1890	3150
50 PERCENT EXCEEDS	1460	817	1140
90 PERCENT EXCEEDS	512	342	514

STATISTICS COMPUTED BY: ccfulk

DATE: 12/03/1999 AT: 11:49:43