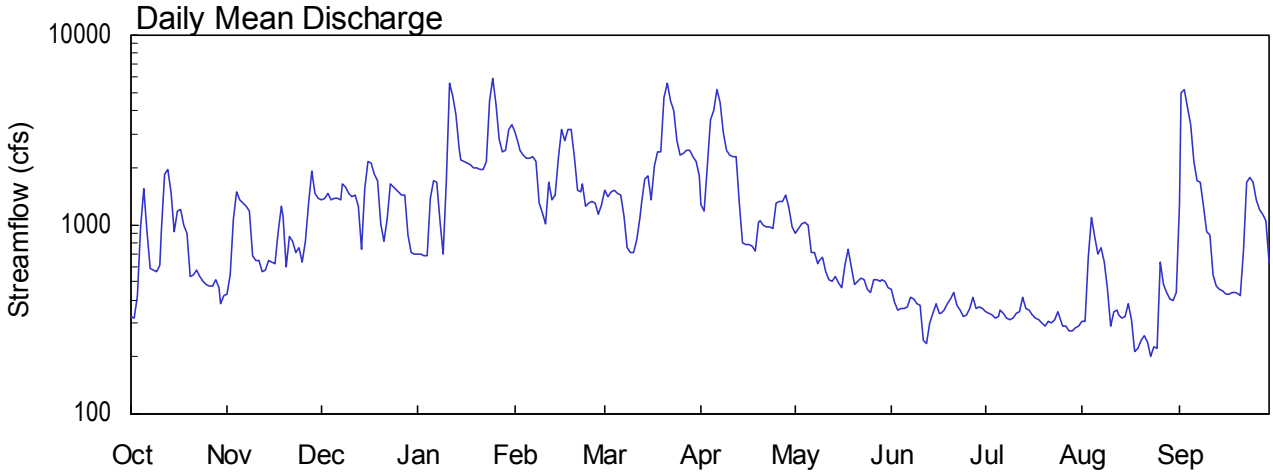
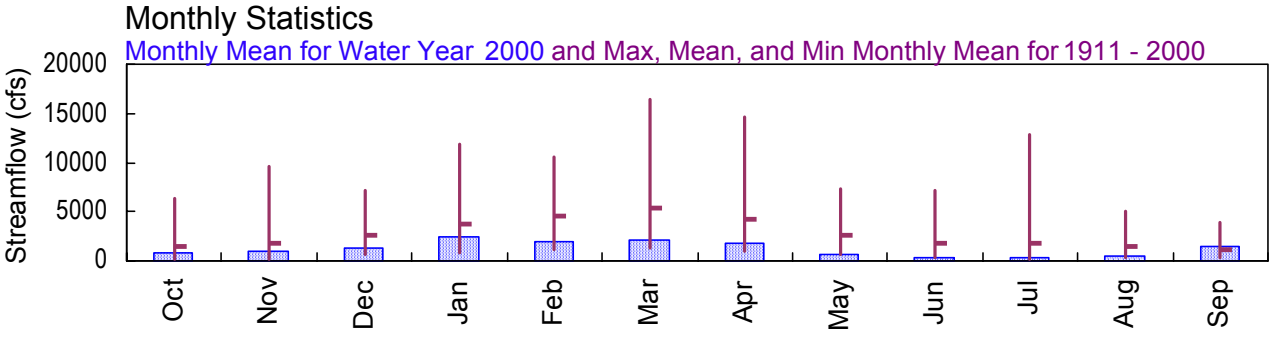
ALTAMAHA RIVER BASIN

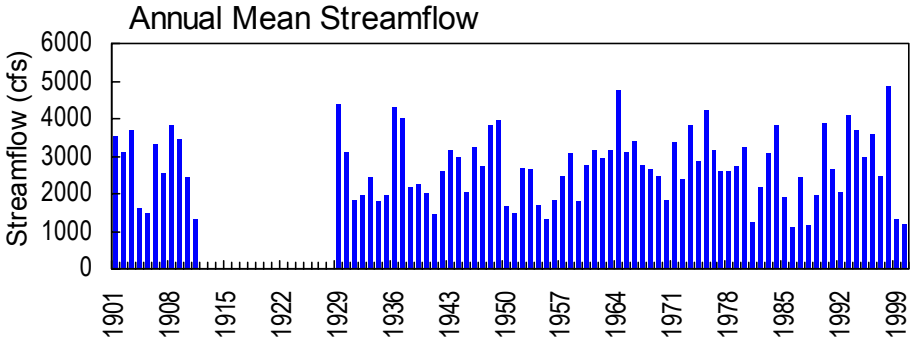
2000 Water Year

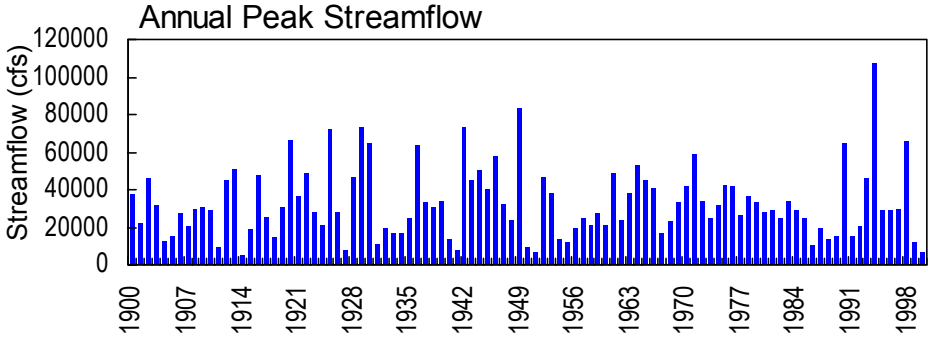
02213000 OCMULGEE RIVER AT MACON, GA

Latitude: 32°50'19" Longitude: 83°37'14" Hydrologic Unit Code: 03070103 Bibb County
Drainage Area: 2240 mi^2 Datum: 269.8 feet Period of Record: 1911 - 2000









02213000 - Ocmulgee River at Macon, GA

ALTAMAHA RIVER BASIN
2000 Water Year

02213000 OCMULGEE RIVER AT MACON, GA

LOCATION.--Lat 32°50'19", long 83°37'14", Bibb County, Hydrologic Unit 03070103, at downstream end of right pier of Fifth Street Bridge in Macon, 1.5 miles upstream from Walnut Creek, and at mile 198.0.

DRAINAGE AREA.--2,240 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1893 to July 1912, August 1912 to December 1913 (gage heights and discharge measurements only), October 1928 to current year. Gage height records collected at same site since 1895 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area. WSP 1504: 1893-1903, 1905-10, 1932, 1937, 1942(M).

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 269.80 feet above sea level. Prior to Oct. 9, 1905, non-recording gage located at site within 1.5 mi downstream at about same datum. Oct. 9, 1905 to Dec. 31, 1913, non-recording gage located at present site and datum. Jan. 10, 1929 to June 25, 1934, water-stage recorder at site 500 feet downstream at same datum. June 25, 1934 to June 25, 1973, water-stage recorder at present site and datum, and June 26, 1973 to Oct. 13, 1974, non-recording gage located at present site and datum.

REMARKS.--Records good. Flow regulated by Lloyd Shoals Reservoir since November 1910; records of reservoir contents not available prior to October 1929 (See "Lakes and Reservoir in Altamaha River Basin", station 02210000). Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey. Minimum gage height observed during the period of record was -1.0 feet Oct. 5, 1924, at site and datum then in use. Average discharge adjusted for storage was published for records previous to October 1, 1999.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 19, 1925, reached a stage of 26.0 feet, from flood marks at Central of Georgia Railroad bridge, 500 feet downstream, discharge 72,500 ft^3/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft^3/s and maximum (*):

DATE	TIME	DISCHARGE (ft^3/s)	GAGE HEIGHT (ft)
Jan. 24	2130	6,710*	14.13*

No other peaks greater than base discharge

STATION NUMBER 02213000 OCMULGEE RIVER AT MACON, GA STREAM SOURCE AGENCY USGS
LATITUDE 325019 LONGITUDE 0833714 DRAINAGE AREA 2240.00 DATUM 269.80 STATE 13 COUNTY 021
PROVISIONAL DATA SUBJECT TO REVISION

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	325	429	1350	699	3070	1510	1280	902	452	349	308	1280
2	324	545	1380	698	2680	1400	1190	958	387	338	311	4960
3	424	1070	1470	688	2480	1480	2050	1010	353	331	672	5130
4	969	1480	1360	689	2320	1510	3600	1020	362	324	1100	4160
5	1550	1340	1380	1380	2250	1460	4030	1000	361	328	857	3360
6	911	1310	1390	1690	2250	1420	5140	712	370	355	697	2170
7	586	1250	1360	1680	2290	1120	4450	715	417	343	761	1710
8	578	1170	1640	1050	2160	756	3080	618	404	324	630	1670
9	567	678	1570	699	1290	713	2470	644	384	315	452	1240
10	615	640	1450	1690	1160	707	2320	676	377	319	294	919
11	943	644	1410	5630	1010	835	2270	563	244	341	349	889
12	1860	567	1430	4750	1660	1100	2270	510	236	346	354	539
13	1950	576	1240	3820	1360	1290	1310	506	304	417	332	471
14	1480	648	747	2530	1430	1740	794	528	342	361	323	452
15	917	638	1560	2210	2240	1820	790	494	380	354	330	445
16	1190	620	2150	2140	3160	1350	787	461	340	336	382	433
17	1210	914	2120	2110	2760	2030	767	605	339	323	312	429
18	991	1260	1860	2070	3180	2400	732	739	352	315	214	440
19	901	1120	1720	1980	3160	2440	1020	597	380	304	222	438
20	527	597	1010	1990	2290	4690	1040	481	407	289	245	429
21	542	871	821	1950	1510	5560	993	501	436	308	257	423
22	575	809	1070	1950	1480	4550	973	518	377	301	240	729
23	535	705	1650	2150	1640	4030	978	514	357	313	203	1660
24	502	753	1590	4470	1250	2770	956	457	330	348	224	1770
25	481	630	1520	5950	1290	2330	1300	439	335	328	223	1680
26	472	819	1470	4370	1320	2360	1330	509	358	291	630	1350
27	473	1290	1440	2820	1300	2470	1320	509	410	291	484	1210
28	508	1930	1420	2420	1140	2470	1440	505	362	275	438	1130
29	466	1450	874	2490	1270	2290	1230	508	365	277	409	1050
30	385	1370	708	3150	---	2150	973	498	364	288	398	629
31	421	---	695	3360	---	1800	---	466	---	293	441	---
TOTAL	24178	28123	42855	75273	56400	64551	52883	19163	10885	10025	13092	43195
MEAN	780	937	1382	2428	1945	2082	1763	618	363	323	422	1440
MAX	1950	1930	2150	5950	3180	5560	5140	1020	452	417	1100	5130
MIN	324	429	695	688	1010	707	732	439	236	275	203	423
CFSM	.35	.42	.62	1.08	.87	.93	.79	.28	.16	.14	.19	.64
IN.	.40	.47	.71	1.25	.94	1.07	.88	.32	.18	.17	.22	.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2000, BY WATER YEAR (WY)

MEAN	1431	1735	2603	3796	4612	5404	4184	2599	1830	1769	1479	1156
MAX	6404	9624	7222	11880	10640	16370	14610	7305	7142	12880	5054	3886
(WY)	1930	1949	1984	1936	1998	1929	1936	1964	1912	1994	1994	1994
MIN	165	186	618	750	1168	1319	972	581	301	214	299	296
(WY)	1955	1955	1955	1981	1938	1988	1986	1986	1988	1988	1988	1999

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911 - 2000	
ANNUAL TOTAL	469695		440623			
ANNUAL MEAN	1287		1204		2679	
HIGHEST ANNUAL MEAN					4848	1998
LOWEST ANNUAL MEAN					1122	1986
HIGHEST DAILY MEAN	9890	Feb 2	5950	Jan 25	97000	Jul 6 1994
LOWEST DAILY MEAN	246	Sep 25	203	Aug 23	128	Oct 24 1954
ANNUAL SEVEN-DAY MINIMUM	281	Sep 12	229	Aug 18	139	Oct 22 1954
INSTANTANEOUS PEAK FLOW			6710	Jan 24	107000	Jul 6 1994
INSTANTANEOUS PEAK STAGE			14.13	Jan 24	35.40	Jul 6 1994
INSTANTANEOUS LOW FLOW			180	Aug 18	128	Oct 24 1954
ANNUAL RUNOFF (CFSM)	.57		.54		1.20	
ANNUAL RUNOFF (INCHES)	7.80		7.32		16.25	
10 PERCENT EXCEEDS	2300		2430		5240	
50 PERCENT EXCEEDS	1110		872		1660	
90 PERCENT EXCEEDS	352		328		665	

STATISTICS COMPUTED BY: sjones DATE: 06/29/2001 AT: 09:28:34