

MOBILE RIVER BASIN

02395980

ETOWAH RIVER NEAR ROME, GEORGIA

Latitude: 34° 13' 56" Longitude: 85° 07' 01" Hydrologic Unit Code: 03150104

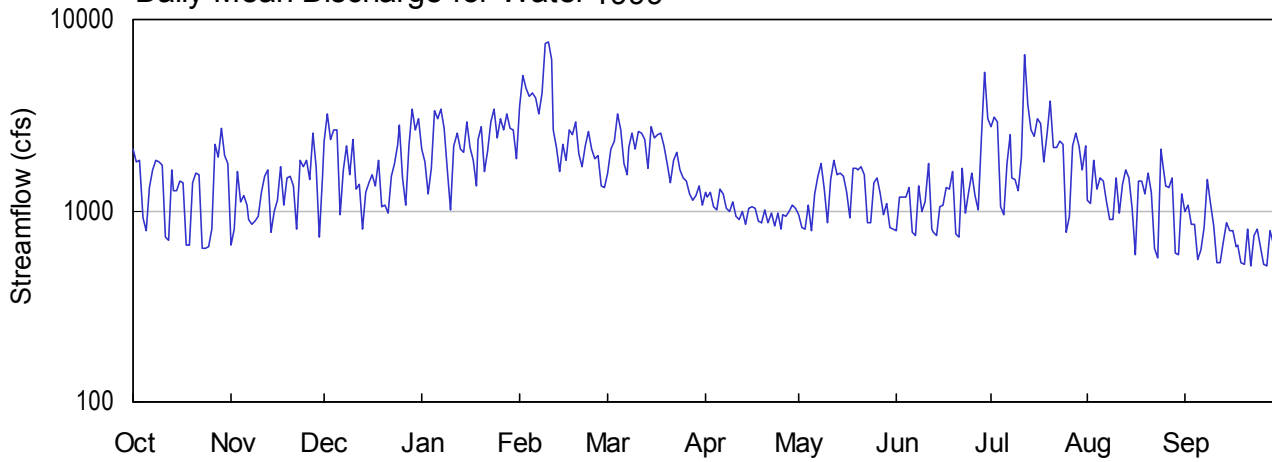
Floyd County

Drainage Area: 1801.0 mi²

Datum: 561.7 feet

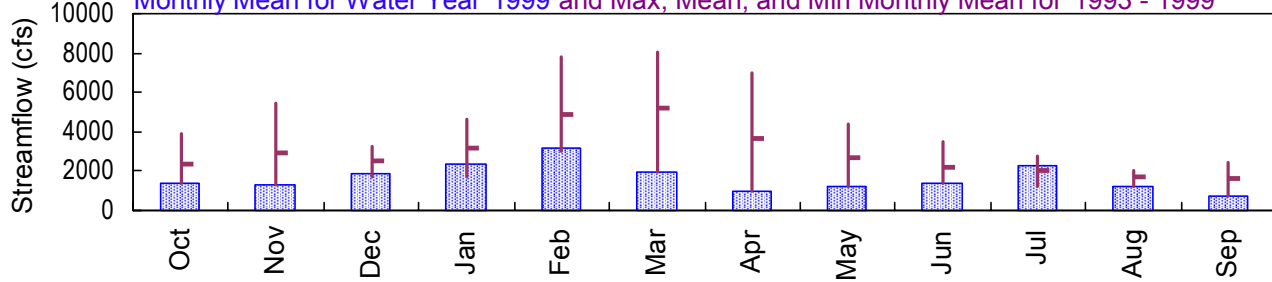
Period of Record: 1993 - 1999

Daily Mean Discharge for Water 1999

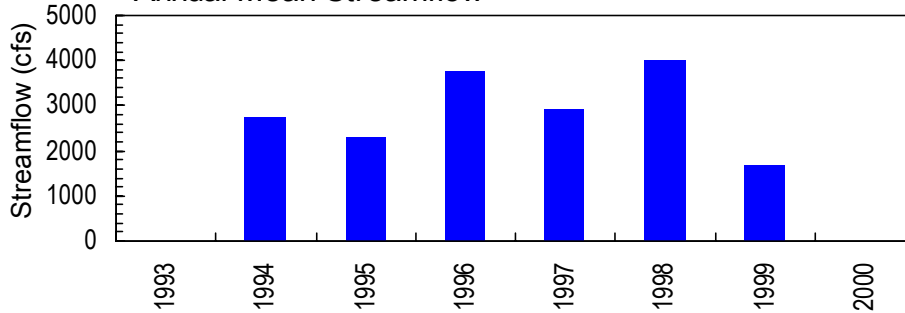


Monthly Statistics

Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1993 - 1999



Annual Mean Streamflow



MOBILE RIVER BASIN
1999 Water Year

02395980 ETOWAH RIVER AT STATE HIGHWAY 1 LOOP, NEAR ROME, GA

LOCATION.--Lat 34°13'56", long 85°07'01", Floyd County, Hydrologic Unit 03150104, on downstream side of center pier of Loop 1 by-pass bridge, 4.6 miles upstream from Southern Railway bridge and 6.6 miles upstream from confluence with Oostanaula River.

DRAINAGE AREA.--1801 mi².

PERIOD OF RECORD.--July to December 1903; August 1904 to June 1921, published as "near Rome"; October 1938 to September 1994, published as "at Rome" (station 02396000). October 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is 561.70 feet above sea level. From July 1 to Dec. 31, 1903, non-recording gage was located at Second Avenue Bridge, 1.0 mile downstream at different datum. From Aug. 17, 1904 to June 30, 1921, non-recording gage was located at Freemans Ferry, 5.0 miles upstream at different datum. From Oct. 1, 1938 to September 30, 1994 recording gage was located at Southern Railway Bridge 4.6 miles downstream at same datum.

REMARKS.--Records good, except those for periods of estimated daily discharge, which are fair. Flow regulated by Allatoona Reservoir since 1949 (see "Lakes and Reservoirs in Mobile River basin", station 02393500). Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--77 years (water years 1905-20, 1939-98), 2,949 ft³/s, 22.24 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, Dec. 11, 1919. Flood of April 9, 1938 reached a stage of 37.5 feet, discharge 46,500 ft³/s, from gage readings and discharge measurements by U.S. Army Corps of Engineers at former site (Southern Railway bridge) and datum.

STATION NUMBER 02395980 ETOWAH RIVER AT SR 1 LOOP NEAR ROME, GEORGIA STREAM SOURCE AGENCY USGS
 LATITUDE 341356 LONGITUDE 0850701 DRAINAGE AREA 1801 DATUM 561.70 STATE 13 COUNTY 115

PROVISIONAL DATA

SUBJECT TO REVISION

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	2080	656	2290	2090	3520	1560	1260	960	779	2750	1130	987
2	1810	796	3190	1800	5090	2110	1170	816	1180	3080	1090	1080
3	1840	1590	2360	1230	4350	2330	1250	800	1170	2890	1820	842
4	909	1110	2650	1670	3990	3210	1050	1060	1180	1050	1290	841
5	787	1210	2650	3350	4120	2640	1010	781	1310	950	1480	552
6	1330	1070	958	3020	3920	1760	1300	1220	771	1760	1420	628
7	1620	903	1650	3390	3180	1550	1230	1520	747	2510	1110	822
8	1830	853	2200	2720	4100	2130	1020	1780	1360	1480	901	1450
9	1810	876	1540	1650	7460	2540	990	1290	1000	1460	897	1100
10	1740	937	2350	1010	7680	2100	1110	860	1120	1280	1490	827
11	722	1260	1290	2200	6120	2620	937	1460	1770	1900	965	534
12	697	1510	1370	2570	2660	2540	899	1830	798	6520	1380	536
13	1640	1650	799	2090	2150	2340	990	1530	778	3580	1620	690
14	1270	768	1250	2020	1600	1680	849	1580	743	2670	1490	871
15	1280	1000	1410	2900	2220	2740	1020	1520	1040	2440	1030	793
16	1440	1140	1530	e2150	1840	2390	1050	1240	1080	3010	588	791
17	1410	1700	1360	1830	2670	2510	1030	911	1320	2870	1440	649
18	656	1060	1850	1360	2500	2550	876	1660	1290	1790	1420	667
19	662	1480	1050	2370	2890	2170	872	1670	1610	2480	1220	531
20	1400	1520	1060	2750	2000	1760	1010	1620	752	3760	1580	524
21	1560	1350	969	1600	1710	1390	860	1700	724	2150	1250	808
22	1550	802	1510	2070	2200	1820	973	1540	1680	2160	640	515
23	641	1830	1750	2930	2590	2020	832	871	974	2290	564	748
24	638	1710	2240	3400	2110	1650	968	862	1250	2240	2110	806
25	646	1830	2830	2390	1880	1490	809	1390	1570	775	1810	646
26	795	1450	1490	3030	1950	1420	944	1490	1210	937	1340	521
27	2240	2530	1060	2630	1340	1230	928	1220	1010	2200	1330	516
28	1890	1700	2180	3180	1320	1130	996	944	2390	2540	1490	780
29	2680	724	3410	2710	---	1200	1070	1090	5270	2180	604	673
30	1950	1510	2670	2660	---	1340	1030	822	3050	1630	584	672
31	1780	---	3050	1870	---	1070	---	804	---	2200	1220	---

TOTAL	43303	38525	57966	72640	89160	60990	30333	38841	40926	71532	38303	22400
MEAN	1397	1284	1870	2343	3184	1967	1011	1253	1364	2307	1236	747
MAX	2680	2530	3410	3400	7680	3210	1300	1830	5270	6520	2110	1450
MIN	638	656	799	1010	1320	1070	809	781	724	775	564	515
CFSM	.78	.71	1.04	1.30	1.77	1.09	.56	.70	.76	1.28	.69	.41
IN.	.89	.80	1.20	1.50	1.84	1.26	.63	.80	.85	1.48	.79	.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1999, BY WATER YEAR (WY)

MEAN	2353	2912	2498	3138	4899	5211	3638	2663	2220	2009	1674	1588
MAX	3864	5446	3240	4617	7819	8045	7032	4424	3472	2804	2040	2400
(WY)	1996	1996	1997	1998	1998	1996	1998	1998	1997	1994	1994	1994
MIN	1397	1284	1716	1745	2983	1967	1011	1253	1364	1236	1236	747
(WY)	1999	1999	1994	1995	1994	1999	1999	1999	1999	1996	1999	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1993 - 1999

ANNUAL TOTAL	1269467	604919	
ANNUAL MEAN	3478	1657	2894
HIGHEST ANNUAL MEAN			3995 1998
LOWEST ANNUAL MEAN			1657 1999
HIGHEST DAILY MEAN	25900 Feb 4	7680 Feb 10	25900 Feb 4 1998
LOWEST DAILY MEAN	638 Oct 24	515 Sep 22	515 Sep 22 1999
ANNUAL SEVEN-DAY MINIMUM	994 Nov 4	635 Sep 17	635 Sep 17 1999
INSTANTANEOUS PEAK FLOW		9700 Feb 11	36000 Mar 4 1979
INSTANTANEOUS PEAK STAGE		22.21 Jul 12	36.13 Mar 5 1979
ANNUAL RUNOFF (CFSM)	1.93	.92	1.61
ANNUAL RUNOFF (INCHES)	26.22	12.49	21.83
10 PERCENT EXCEEDS	8260	2740	5570
50 PERCENT EXCEEDS	2240	1440	2120
90 PERCENT EXCEEDS	957	773	904

STATISTICS COMPUTED BY: gabailey

DATE: 04/24/2000 AT: 13:34:22

e Estimated