



MOBILE RIVER BASIN

2002 Water Year

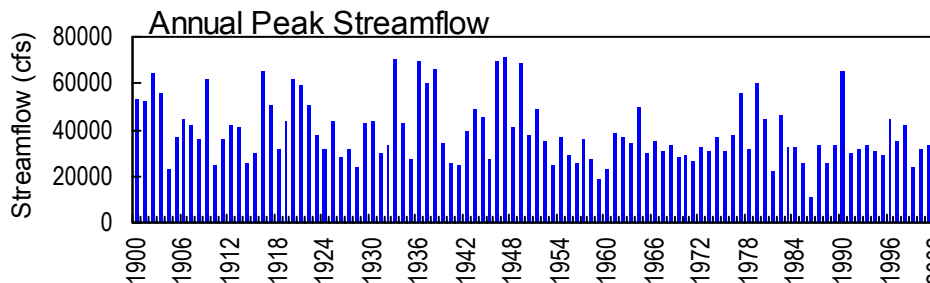
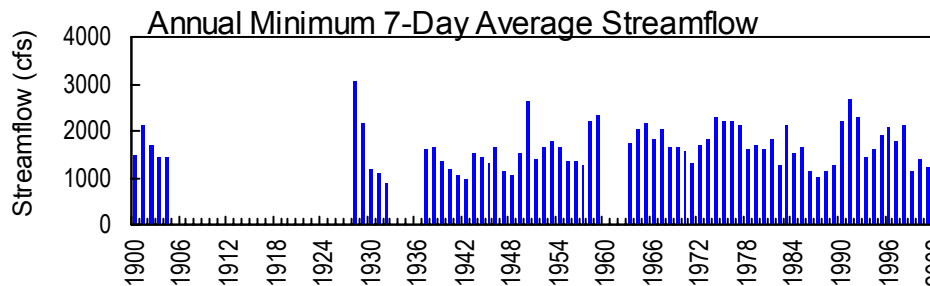
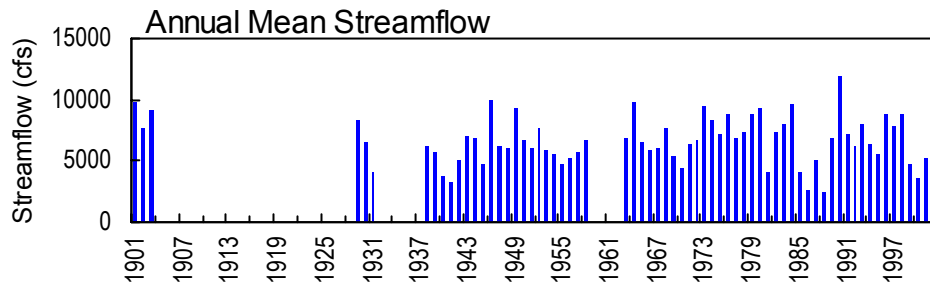
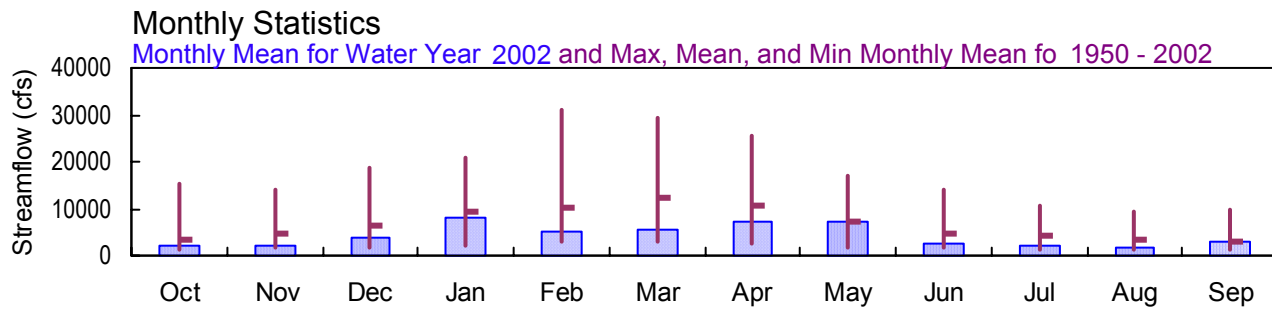
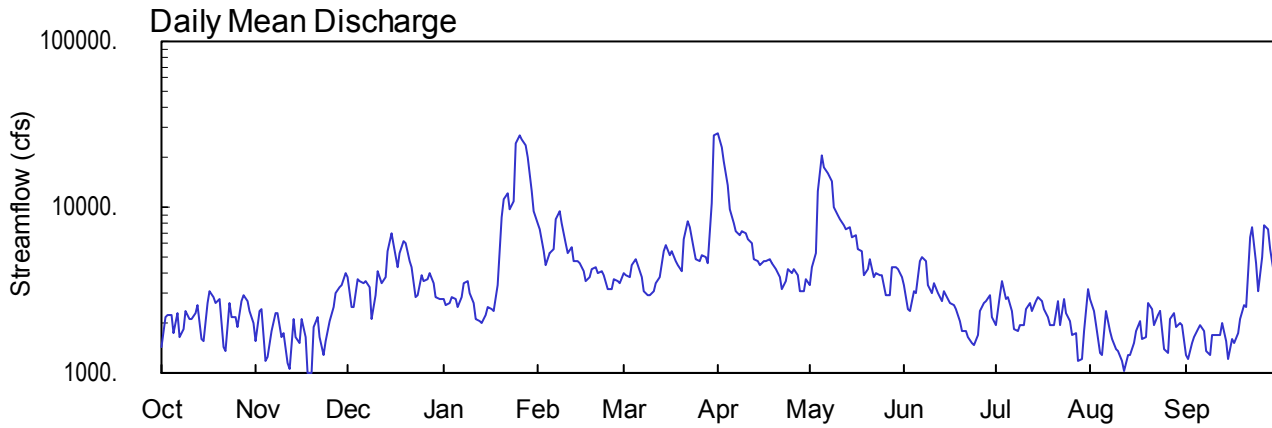
02397000 COOSA RIVER NEAR ROME, GA

Latitude: 34° 12' 01" Longitude: 85° 15' 24" Hydrologic Unit Code: 03150105

Floyd County

Drainage Area: 4,040. mi²

Datum: 553.05 feet



02397000 - Coosa River near Rome, GA

**MOBILE RIVER BASIN
2002 Water Year**

02397000 COOSA RIVER NEAR ROME, GA

LOCATION.—Lat 34°12'01", long 85°15'24" referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150105, on left bank attached to left lock wall of Mayo's Bar lock near upstream end, 1.5 miles upstream from Webb Creek, 6.0 miles southwest of Rome, 7.5 miles downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.—4,040 mi², approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District, Georgia Geologic Survey, Georgia Power, Alabama Power.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Water years 1959-62 (annual maximum only).

REVISED RECORDS.—WSP 1674, 1906: 1959(M) WDR GA-90-1: 1937-38(M), 1946(P), 1947(M), 1949(M), WDR GA-92-1: 1981.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 553.05 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). From January 1, 1897, to December 31, 1903, a non-recording gage was located at site 7.5 miles upstream at datum 8.65 feet higher. From June 21, 1928, to December 31, 1931, and March 10, 1937 to December 31, 1958, a water-stage recorder was located at site 200 feet downstream at same datum. The station 02388525 Oostanaula River at US 27, at Rome, has been used as an auxiliary gage since 1963.

REMARKS.—Records good. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1834, 40.3 feet at site and datum at Rome, equivalent to about 43 feet at present site, from gage-height relation, April 1, 1886, discharge, 100,000 ft³/s, from rating curve extended above 63,000 ft³/s on basis of peak flow at Gadsden, AL.

**MOBILE RIVER BASIN
2002 Water Year**

02397000 COOSA RIVER NEAR ROME, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Water years 1959-62 (annual maximum only). Gage-height records collected at same site for period 1922-49 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 553.05 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). From January 1, 1897, to December 31, 1903, a non-recording gage was located at site 7.5 miles upstream at datum 8.65 feet higher. From June 21, 1928, to December 31, 1931, and March 10, 1937 to December 31, 1958, a water-stage recorder was located at site 200 feet downstream at same datum. The station 02388525 Oostanaula River at US 27, at Rome, has been used as an auxiliary gage since 1963.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 25.20 feet, March 31; minimum gage-height recorded, 10.57 feet, August 11.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 14, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040* DATUM 553.05 NGVD29
Date Processed: 2003-03-11 13:42 By acday

APPROVED
DD #2, DCP
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

Table with columns: DAY, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP. Rows include daily mean values and summary statistics (TOTAL, MEAN, MAX, MIN, CFSM, IN).

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2002, BY WATER YEAR (WY)

Table with columns: MEAN, MAX, MIN, (WY) for years 1990-1999.

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1950 - 2002

Table with columns: ANNUAL TOTAL, ANNUAL MEAN, HIGHEST ANNUAL MEAN, LOWEST ANNUAL MEAN, etc.

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA SOURCE AGENCY USGS STATE 13 COUNTY 115
 LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040* DATUM 553.05 NGVD29
 Date Processed: 2003-03-11 13:42 By acday

APPROVED

DD #3, DCP

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.98	11.06	12.20	11.80	13.99	---	24.01	12.06	12.03	11.34	11.75	10.88
2	11.42	11.52	11.64	11.68	13.69	---	21.31	12.44	11.60	11.82	11.52	10.82
3	11.49	11.58	11.62	11.69	12.90	---	19.31	12.88	11.56	12.13	11.31	11.04
4	11.47	10.78	12.16	11.80	12.50	12.51	16.54	15.98	11.91	11.78	10.90	11.12
5	11.20	10.83	12.15	11.78	12.87	12.68	14.71	19.98	11.87	11.79	10.87	---
6	11.52	11.22	12.10	11.65	12.99	12.52	13.95	18.46	12.61	11.57	11.52	---
7	11.14	11.52	12.11	11.83	14.13	12.25	13.60	17.91	12.72	11.27	11.21	11.20
8	11.25	11.51	12.00	12.09	14.55	11.92	13.50	17.02	12.62	11.22	11.10	10.91
9	11.55	11.12	11.42	12.12	14.01	11.87	13.64	14.81	12.04	11.31	10.94	10.85
10	11.41	11.17	11.81	11.88	13.18	11.84	13.58	14.41	11.90	11.34	10.92	11.13
11	11.40	10.75	12.38	11.70	12.84	11.95	13.31	14.19	12.11	11.58	---	11.15
12	11.51	10.67	12.11	11.44	13.06	12.08	13.16	13.85	11.88	11.69	---	11.13
13	11.67	11.42	12.20	11.40	12.62	---	12.67	13.75	11.74	11.57	---	11.30
14	11.11	11.10	12.92	11.38	12.61	12.91	12.65	13.80	11.93	11.72	10.86	11.05
15	11.07	11.02	13.52	11.50	12.55	13.12	12.51	13.37	11.78	11.83	11.02	10.81
16	11.70	11.39	13.10	11.64	12.35	12.79	12.63	13.45	11.72	11.73	11.17	11.09
17	11.90	11.09	12.47	11.59	12.13	12.90	12.65	12.96	11.66	11.60	11.34	11.04
18	11.82	10.62	12.88	11.57	12.21	12.60	12.67	12.88	11.62	11.47	11.10	11.17
19	11.70	10.61	13.26	12.02	12.44	12.50	12.56	12.27	11.39	11.34	11.14	11.41
20	11.74	11.22	13.16	14.30	12.44	12.37	---	12.41	11.25	11.33	11.67	11.64
21	10.99	11.45	12.64	15.34	12.33	13.34	12.23	12.67	11.22	11.74	11.56	11.62
22	10.92	11.14	12.47	15.72	12.35	14.08	11.99	12.24	11.15	11.34	11.32	13.41
23	11.71	10.87	11.81	14.73	---	13.78	12.12	12.30	11.05	11.76	11.45	13.76
24	11.42	---	11.84	15.17	---	13.01	12.41	12.27	11.03	11.52	11.52	12.56
25	11.45	---	12.25	21.83	11.96	12.68	12.34	12.27	11.17	11.37	10.95	11.94
26	11.28	---	12.15	23.24	12.18	12.63	12.42	11.87	11.55	11.16	10.90	12.70
27	11.68	---	12.18	22.46	12.15	12.80	12.25	11.86	11.68	11.18	11.37	13.87
28	---	12.02	12.30	21.55	12.11	12.72	11.95	12.49	11.71	10.77	11.48	13.67
29	---	12.02	12.11	19.75	---	12.56	11.94	12.44	11.85	10.81	11.29	12.99
30	---	12.31	11.81	15.94	---	15.18	12.19	12.40	11.48	11.22	11.35	12.26
31	11.31	---	11.77	14.60	---	23.60	---	12.24	---	11.94	11.30	---
MEAN	---	---	12.28	14.10	---	---	---	13.68	11.73	11.49	---	---

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 DD #8, DCP

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.01	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00	2.06	0.05	0.00
3	0.00	0.00	0.00	0.00	0.01	0.10	0.00	0.84	0.00	0.22	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.05	0.00	0.00	0.00
5	0.07	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.54	0.00	0.00	0.00
6	1.42	0.00	0.00	0.70	1.19	0.00	0.00	0.00	0.22	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	---	0.02	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.01	---	0.04	0.67	0.00	0.00	0.00	0.00
10	0.00	0.00	0.70	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.03	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00
12	0.03	0.00	0.00	0.00	0.00	---	0.21	0.06	0.00	0.01	0.00	0.00
13	0.24	0.00	0.35	0.00	0.00	0.02	0.00	0.00	0.00	0.56	0.00	0.22
14	0.22	0.00	0.69	0.00	0.00	0.00	0.00	0.00	1.50	0.09	0.20	0.10
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04
16	0.00	0.00	0.00	0.00	0.00	0.19	0.01	0.00	0.00	0.00	0.21	0.00
17	0.00	0.00	0.52	0.01	0.00	0.00	0.00	0.94	0.00	0.00	0.01	0.01
18	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.43
19	0.00	0.00	0.00	2.10	0.00	0.00	0.00	0.00	0.00	0.19	0.43	0.01
20	0.00	0.01	0.00	0.00	0.32	0.87	---	0.00	0.11	0.00	0.00	0.82
21	0.00	0.00	0.00	0.52	0.00	0.21	---	0.00	0.00	0.14	0.00	1.52
22	0.00	0.00	0.00	0.36	0.00	0.00	---	0.00	0.00	0.00	0.12	0.88
23	0.00	0.30	0.54	0.20	0.00	0.00	---	0.00	0.09	0.01	0.00	0.00
24	0.00	1.03	0.00	2.23	0.00	0.00	---	0.00	0.00	0.00	0.00	0.01
25	0.16	0.77	0.00	0.02	0.00	0.00	---	0.00	0.03	0.00	0.00	1.83
26	0.00	0.00	0.00	0.01	0.08	0.43	---	0.00	0.02	0.00	0.06	0.36
27	0.00	0.00	0.00	0.00	0.00	0.00	---	1.15	0.20	0.00	0.21	0.05
28	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.30	0.00
29	0.00	0.52	0.00	0.00	---	0.00	---	0.00	0.03	0.00	0.00	0.00
30	0.00	0.27	0.00	0.00	---	4.14	---	0.22	0.02	2.43	0.00	0.00
31	0.00	---	0.00	0.00	---	0.21	---	0.00	---	0.07	0.00	---
TOTAL	2.14	2.90	2.80	6.22	1.96	---	---	5.57	2.82	5.78	1.60	6.28