



Water-Data Report GA-2005

## 02394670 ETOWAH RIVER AT GA 61, NEAR CARTERSVILLE, GA

Mobile River Basin

LOCATION.--Lat 34°08'34", long 84°50'20" referenced to North American Datum of 1927, Bartow County, Hydrologic Unit 03150104, referenced to North American Datum (NAD) of 1927, at bridge on GA 61, 3 miles southwest of Cartersville, GA, 9.6 miles downstream from Allatoona Dam, and at mile 38.22.

DRAINAGE AREA.--1,345 mi<sup>2</sup>.

### WATER-STAGE RECORDS

PERIOD OF RECORD.--November 1985 to current year (gage-heights only). Gage-height records collected from May 1937 to November 1939 at a site 200.00 feet upstream and from November 1939 until at least 1961, data were collected at same site are contained in reports of National Weather Service. Gage-height records were collected at same site since December 1949 and discharge measurements for the period of August 1945 to May 1975 in files of the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 650.81 feet above National Geodetic Vertical Datum (NGVD) of 1929.

COOPERATION.--U.S. Army Corps of Engineers, Mobile District.

REMARKS.--Records good. Gage-height affected by Allatoona Reservoir Dam since December 1949.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage-height, 17.96 feet, March 17, 1990; minimum recorded gage-height, 4.06 feet, September 10, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1886 reached a gage-height of 37.0 feet, information supplied by U.S. Weather Service. Flood of December 19, 1919 reached a gage-height of 31.0 feet, information supplied by a local resident. Flood of November 29, 1948 reached a gage-height of 30.0 feet, from U.S. Weather Service gage-height records. Minimum observed gage-height, 3.8 feet, September 25, 1939, from U.S. Weather Service gage-height records.

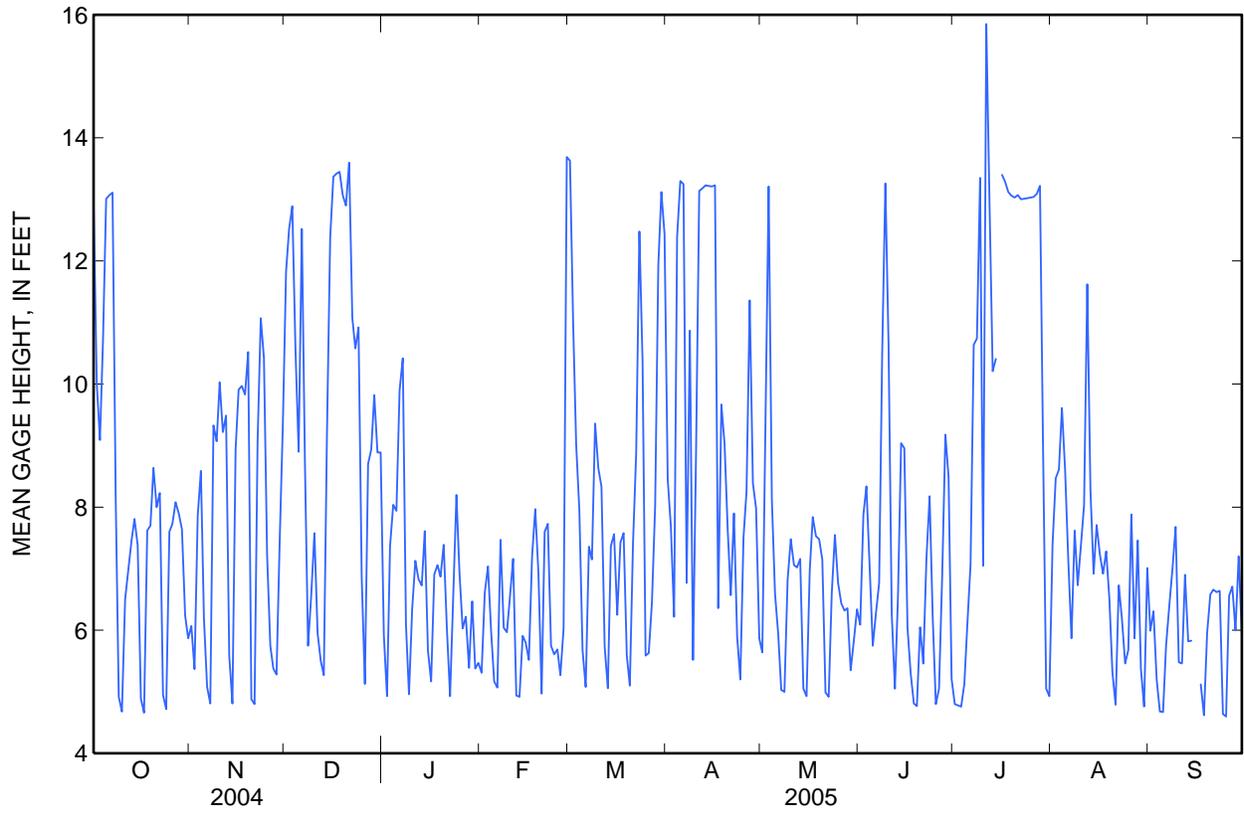
EXTREMES FOR CURRENT YEAR.--Maximum gage-height recorded, 21.98 feet, July 11; minimum gage-height recorded, 4.58 feet, September 25, 26.

## 02394670 ETOWAH RIVER AT GA 61, NEAR CARTERSVILLE, GA—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

| Day         | Oct   | Nov   | Dec   | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep  |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1           | 12.96 | 6.07  | 11.83 | 5.92  | 5.31  | 13.63 | 8.45  | 5.64  | 6.09  | 4.80  | 7.39  | 5.99 |
| 2           | 10.01 | 5.37  | 12.52 | 4.93  | 6.61  | 10.99 | 7.68  | 9.39  | 7.88  | 4.78  | 8.47  | 6.31 |
| 3           | 9.09  | 7.86  | 12.89 | 7.37  | 7.04  | 9.02  | 6.22  | 13.21 | 8.34  | 4.76  | 8.61  | 5.20 |
| 4           | 10.70 | 8.59  | 10.56 | 8.04  | 5.98  | 7.95  | 12.39 | 8.13  | 7.05  | 5.13  | 9.61  | 4.68 |
| 5           | 13.01 | 6.20  | 8.90  | 7.94  | 5.17  | 5.68  | 13.30 | 6.59  | 5.75  | 6.10  | 8.60  | 4.67 |
| 6           | 13.07 | 5.08  | 12.52 | 9.90  | 5.07  | 5.08  | 13.25 | 5.94  | 6.28  | 7.07  | 7.13  | 5.75 |
| 7           | 13.11 | 4.81  | 8.79  | 10.42 | 7.47  | 7.36  | 6.77  | 5.03  | 6.77  | 10.64 | 5.87  | 6.39 |
| 8           | 8.14  | 9.33  | 5.75  | 6.09  | 6.04  | 7.15  | 10.87 | 5.00  | 10.49 | 10.74 | 7.62  | 6.99 |
| 9           | 4.92  | 9.07  | 6.57  | 4.96  | 5.97  | 9.36  | 5.52  | 6.82  | 13.26 | 13.35 | 6.73  | 7.68 |
| 10          | 4.68  | 10.03 | 7.58  | 6.35  | 6.54  | 8.64  | 8.89  | 7.48  | 10.65 | 7.05  | 7.37  | 5.48 |
| 11          | 6.50  | 9.22  | 5.95  | 7.13  | 7.16  | 8.33  | 13.14 | 7.06  | 6.27  | 15.85 | 8.03  | 5.46 |
| 12          | 6.98  | 9.49  | 5.50  | 6.83  | 4.94  | 5.73  | 13.18 | 7.02  | 5.05  | 12.96 | 11.62 | 6.90 |
| 13          | 7.45  | 5.59  | 5.27  | 6.73  | 4.92  | 5.06  | 13.23 | 7.16  | 6.53  | 10.21 | 8.29  | 5.82 |
| 14          | 7.81  | 4.81  | 9.23  | 7.61  | 5.91  | 7.37  | 13.22 | 5.05  | 9.04  | 10.41 | 6.92  | 5.83 |
| 15          | 7.38  | 8.94  | 12.38 | 5.67  | 5.80  | 7.56  | 13.21 | 4.93  | 8.96  | ---   | 7.71  | ---  |
| 16          | 4.89  | 9.91  | 13.37 | 5.17  | 5.52  | 6.25  | 13.23 | 6.97  | 6.04  | 13.40 | 7.24  | ---  |
| 17          | 4.66  | 9.97  | 13.42 | 6.91  | 7.20  | 7.43  | 6.36  | 7.84  | 5.30  | 13.28 | 6.92  | 5.12 |
| 18          | 7.62  | 9.83  | 13.45 | 7.06  | 7.97  | 7.58  | 9.67  | 7.53  | 4.81  | 13.12 | 7.28  | 4.62 |
| 19          | 7.70  | 10.52 | 13.07 | 6.87  | 6.93  | 5.59  | 9.03  | 7.48  | 4.77  | 13.06 | 6.51  | 5.96 |
| 20          | 8.64  | 4.88  | 12.90 | 7.39  | 4.97  | 5.10  | 7.62  | 7.15  | 6.05  | 13.03 | 5.32  | 6.58 |
| 21          | 8.00  | 4.80  | 13.60 | 6.03  | 7.60  | 7.41  | 6.57  | 4.99  | 5.46  | 13.07 | 4.79  | 6.66 |
| 22          | 8.23  | 9.05  | 11.08 | 4.93  | 7.73  | 8.88  | 7.90  | 4.92  | 7.17  | 13.00 | 6.73  | 6.62 |
| 23          | 4.95  | 11.07 | 10.58 | 6.56  | 5.75  | 12.48 | 5.90  | 6.58  | 8.18  | 13.01 | 6.18  | 6.64 |
| 24          | 4.72  | 10.42 | 10.92 | 8.20  | 5.61  | 10.37 | 5.20  | 7.55  | 6.24  | 13.02 | 5.46  | 4.64 |
| 25          | 7.60  | 7.21  | 6.86  | 6.94  | 5.69  | 5.59  | 7.51  | 6.77  | 4.80  | 13.03 | 5.68  | 4.60 |
| 26          | 7.73  | 5.75  | 5.13  | 6.03  | 5.27  | 5.63  | 8.26  | 6.44  | 5.05  | 13.04 | 7.88  | 6.56 |
| 27          | 8.08  | 5.38  | 8.70  | 6.22  | 6.03  | 6.46  | 11.36 | 6.32  | 6.90  | 13.09 | 5.87  | 6.71 |
| 28          | 7.90  | 5.28  | 8.94  | 5.39  | 13.69 | 8.01  | 8.39  | 6.36  | 9.18  | 13.22 | 7.46  | 6.00 |
| 29          | 7.64  | 7.46  | 9.82  | 6.47  | ---   | 11.93 | 7.98  | 5.35  | 8.49  | 9.05  | 5.37  | 7.20 |
| 30          | 6.24  | 9.37  | 8.89  | 5.38  | ---   | 13.12 | 5.87  | 5.83  | 5.21  | 5.05  | 4.76  | 5.93 |
| 31          | 5.87  | ---   | 8.89  | 5.47  | ---   | 12.44 | ---   | 6.34  | ---   | 4.93  | 7.01  | ---  |
| <b>Mean</b> | 7.94  | 7.71  | 9.87  | 6.67  | 6.42  | 8.17  | 9.34  | 6.74  | 7.07  | ---   | 7.11  | ---  |
| <b>Max</b>  | 13.11 | 11.07 | 13.60 | 10.42 | 13.69 | 13.63 | 13.30 | 13.21 | 13.26 | ---   | 11.62 | ---  |
| <b>Min</b>  | 4.66  | 4.80  | 5.13  | 4.93  | 4.92  | 5.06  | 5.20  | 4.92  | 4.77  | ---   | 4.76  | ---  |

02394670 ETOWAH RIVER AT GA 61, NEAR CARTERSVILLE, GA—Continued



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**CLIMATOLOGICAL RECORDS**

COOPERATION.--U.S. Army Corps of Engineers, Mobile District.

PERIOD OF RECORD.--August 16, 2002 to September 30, 2004.

INSTRUMENTATION.--Tipping-bucket raingage.

REMARKS.--No records available for the 2005 water year.