

**APALACHICOLA RIVER BASIN**  
**1999 Water Year**

**02356000 FLINT RIVER AT BAINBRIDGE, GA**

**LOCATION.**--Lat 30°54'41", long 84°34'48", Decatur County, Hydrologic Unit 03130008, on downstream side of bridge on U.S. Highway 27 (Business Route), 0.2 miles downstream from Seaboard Coast Line Railroad bridge, and 29.2 miles upstream from Jim Woodruff Dam, and at mile 29.0.

**DRAINAGE AREA.**--7,570 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--

Discharge: October 1907 to December 1913, October 1928 to September 1971.

Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

Chemical analyses: February 1968 to September 1973.

Annual peaks: Water years 1972-76, 1978 to current year.

Continuous gage-height record: August 1977 to current year.

**GAGE.**--Water-stage recorder. Datum of gage is 58.06 feet above sea level. Prior to Dec. 31, 1913, non-recording gage was located at same site at datum 0.3 feet higher. From Oct. 1, 1928 to Jan. 14, 1929, non-recording gage was located at present site and datum. Auxiliary water-stage recorder at site 6.4 miles upstream Jan. 15, 1957 to September 1971.

**REMARKS.**--Flow regulated by power plants at Flint River Reservoir since 1921, with a capacity of 7,500 acre-ft; and at Warwick Reservoir since 1930, with a capacity of about 35,000 acre-ft. Normal operation of power plants does not materially affect figures of monthly runoff.

**AVERAGE DISCHARGE.**--49 years (water years 1908-13, 1929-71), 8,740 ft<sup>3</sup>/s, 15.68 in/yr.

**EXTREMES FOR PERIOD OF RECORD.**--Maximum discharge, 108,000 ft<sup>3</sup>/s July 14, 1994; gage height, 37.20 feet; minimum daily, 1,340 ft<sup>3</sup>/s Sept. 25, 1963 .

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Maximum stage known since at least 1893, 40.9 feet, present datum, Jan. 24, 1925, discharge 101,000 ft<sup>3</sup>/s, from rating curve extended above 70,000 ft<sup>3</sup>/s on basis of slope-conveyance studies.

**EXTREMES FOR CURRENT YEAR.**--Maximum discharge, 14,000 ft<sup>3</sup>/s, Feb. 7, gage height, 20.96 feet.

STATION NUMBER 02356000 FLINT RIVER AT BAINBRIDGE, GA. STREAM SOURCE AGENCY USGS  
 LATITUDE 305441 LONGITUDE 0843448 DRAINAGE AREA 7570.00 DATUM 58.06 STATE 13 COUNTY 087

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
 DAILY MEAN VALUES

| DAY  | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 20.03 | 18.78 | 18.26 | 18.63 | 19.88 | 18.64 | 19.23 | 18.51 | 18.51 | 18.87 | 18.82 | 17.75 |
| 2    | 19.41 | 18.74 | 18.30 | 18.78 | 19.77 | 18.45 | 19.18 | 18.59 | 18.55 | 18.95 | 18.51 | 17.72 |
| 3    | 19.43 | 18.83 | 18.33 | 18.85 | 19.91 | 18.49 | 19.06 | 18.60 | 18.61 | 19.02 | 18.39 | 17.66 |
| 4    | 19.64 | 18.96 | 18.32 | 18.61 | 20.13 | 18.44 | 18.86 | 18.62 | 18.68 | 19.19 | 18.34 | 17.67 |
| 5    | 19.75 | 19.26 | 18.34 | 18.45 | 20.37 | 18.50 | 18.59 | 18.66 | 18.76 | 19.34 | 18.30 | 17.64 |
| 6    | 19.55 | 19.32 | 18.27 | 18.60 | 20.61 | 18.51 | 18.34 | 18.75 | 18.80 | 19.39 | 18.32 | 17.51 |
| 7    | 19.48 | 19.31 | 18.28 | 18.80 | 20.86 | 18.38 | 18.37 | 18.93 | 18.81 | 19.40 | 18.33 | 17.51 |
| 8    | 19.25 | 19.13 | 18.33 | 18.87 | 20.79 | 18.27 | 18.38 | 19.11 | 18.79 | 19.21 | 18.41 | 17.63 |
| 9    | ---   | 19.07 | 18.38 | 18.98 | 20.49 | 18.28 | 18.39 | 19.08 | 18.67 | 18.98 | 18.55 | 17.74 |
| 10   | ---   | 19.07 | 18.42 | 18.87 | 20.27 | 18.38 | 18.54 | 19.04 | 18.60 | 18.81 | 18.52 | 17.94 |
| 11   | ---   | 18.83 | 18.45 | 18.91 | 19.83 | 18.48 | 18.59 | 19.04 | 18.62 | 18.65 | 18.30 | 17.83 |
| 12   | ---   | 18.43 | 18.47 | 19.04 | 19.64 | 18.63 | 18.52 | 18.93 | 18.69 | 18.38 | 18.15 | 17.65 |
| 13   | ---   | 18.37 | 18.64 | 19.11 | 19.55 | 18.59 | 18.39 | 18.80 | 18.75 | 18.28 | 18.01 | 17.54 |
| 14   | ---   | 18.42 | 18.68 | 19.16 | 19.45 | 18.67 | 18.26 | 18.83 | 18.85 | 18.31 | 17.81 | 17.41 |
| 15   | ---   | 18.38 | 18.70 | 19.17 | 19.54 | 18.78 | 18.41 | 18.82 | 19.00 | 18.37 | 17.74 | 17.32 |
| 16   | ---   | 18.34 | 18.77 | 19.02 | 19.36 | 19.01 | 18.28 | 18.80 | 18.97 | 18.54 | 17.73 | 17.28 |
| 17   | ---   | 18.26 | 18.78 | 18.80 | 19.33 | 19.31 | 18.34 | 18.74 | 18.79 | 18.64 | 17.80 | 17.26 |
| 18   | ---   | 18.18 | 18.76 | 18.82 | 19.45 | 19.53 | 18.28 | 18.74 | 18.53 | 18.87 | 17.95 | 17.26 |
| 19   | ---   | 18.11 | 18.79 | 18.93 | 19.72 | 19.83 | 18.23 | 18.74 | 18.32 | 19.04 | 17.98 | 17.29 |
| 20   | 18.73 | 18.12 | 18.70 | 19.06 | 19.87 | 19.89 | 18.38 | 18.68 | 18.22 | 19.23 | 17.96 | 17.40 |
| 21   | ---   | 18.14 | 18.65 | 19.17 | 19.90 | 19.93 | 18.37 | 18.68 | 18.21 | ---   | 17.96 | 17.53 |
| 22   | ---   | 18.06 | 18.81 | 19.17 | 19.77 | 19.76 | 18.41 | 18.67 | 18.14 | 19.41 | 17.94 | 17.55 |
| 23   | ---   | 18.00 | 18.95 | 19.24 | 19.67 | 19.69 | 18.49 | 18.56 | 18.00 | 19.42 | 17.87 | 17.57 |
| 24   | ---   | 18.00 | 18.73 | 19.48 | 19.52 | 19.61 | 18.52 | 18.46 | 18.00 | 19.40 | 17.91 | 17.61 |
| 25   | ---   | 18.31 | 18.45 | 19.57 | 19.39 | 19.47 | 18.44 | 18.38 | 18.19 | 19.33 | 17.86 | 17.61 |
| 26   | ---   | 18.52 | 18.28 | 19.69 | 19.23 | 19.25 | 18.36 | 18.34 | 18.39 | 19.25 | 17.81 | 17.50 |
| 27   | ---   | 18.33 | 18.16 | 19.96 | 19.01 | 19.01 | 18.37 | 18.37 | 18.61 | 19.18 | 17.81 | 17.45 |
| 28   | ---   | 18.22 | 18.03 | 20.11 | 18.91 | 18.97 | 18.35 | 18.44 | 19.06 | 19.13 | 17.79 | 17.57 |
| 29   | 18.83 | 18.26 | 18.09 | 20.16 | ---   | 18.99 | 18.30 | 18.45 | 19.08 | 19.03 | 17.82 | 17.63 |
| 30   | 18.84 | 18.26 | 18.25 | 20.11 | ---   | 18.98 | 18.36 | 18.45 | 18.93 | 18.96 | 17.81 | 17.63 |
| 31   | 18.81 | ---   | 18.47 | 19.94 | ---   | 19.05 | ---   | 18.49 | ---   | 18.89 | 17.77 | ---   |
| MEAN | ---   | 18.53 | 18.48 | 19.16 | 19.79 | 18.96 | 18.49 | 18.69 | 18.60 | ---   | 18.07 | 17.56 |
| MAX  | ---   | 19.32 | 18.95 | 20.16 | 20.86 | 19.93 | 19.23 | 19.11 | 19.08 | ---   | 18.82 | 17.94 |
| MIN  | ---   | 18.00 | 18.03 | 18.45 | 18.91 | 18.27 | 18.23 | 18.34 | 18.00 | ---   | 17.73 | 17.26 |