

**APALACHICOLA RIVER BASIN
2004 Water Year**

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA

LOCATION.—Lat 34°09'25", long 84°04'44" referenced to North American Datum (NAD) of 1983, Gwinnett-Forsyth County line, Hydrologic Unit 03130001, on right bank 1,200 feet downstream from Buford Dam, 2.4 miles upstream from bridge on GA 20, 4.0 miles northwest of Buford, and at mile 348.1.

DRAINAGE AREA.—1,040 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—September 4, 1973, February 5, 1974, August 16, 1976, January 31, 2004 to September 30, 2004.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

WATER TEMPERATURE: January 31, 2004 to September 30, 2004.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—

WATER TEMPERATURE: Maximum recorded, 15.2°C, September 16; minimum recorded, 11.6°C, September 30, 2003.

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

STATION NUMBER 02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
 LATITUDE 340925 LONGITUDE 0840444 NAD83 DRAINAGE AREA 1040.00 CONTRIBUTING DRAINAGE AREA 1040 DATUM 912.04 NGVD29

Temperature, water, degrees Celsius
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.5	7.6	7.9	7.8	7.1	7.3	8.6	7.3	7.7	8.6	7.9	8.1
2	7.8	6.9	7.6	7.8	7.1	7.3	8.8	7.4	7.8	8.7	7.9	8.2
3	8.3	7.3	7.6	7.6	7.2	7.3	9.1	7.4	7.9	9.0	7.7	8.1
4	8.1	7.3	7.5	7.5	7.2	7.3	8.9	7.4	7.9	9.2	7.7	8.2
5	7.5	7.2	7.4	7.5	7.2	7.3	9.0	7.4	8.0	9.3	7.8	8.3
6	7.8	7.1	7.4	7.7	7.1	7.3	9.1	7.4	8.0	9.4	7.8	8.4
7	7.3	7.1	7.2	7.8	7.0	7.3	8.9	7.5	8.0	9.4	7.9	8.4
8	8.0	7.0	7.2	7.8	7.0	7.4	9.0	7.6	8.0	9.3	7.9	8.4
9	7.3	7.0	7.1	7.7	7.1	7.3	9.0	7.5	8.1	9.2	7.9	8.4
10	7.3	7.0	7.1	7.9	7.2	7.4	8.7	7.5	7.9	---	---	---
11	7.3	7.0	7.1	8.3	7.2	7.5	8.5	7.6	7.9	9.0	8.0	8.3
12	7.2	7.0	7.1	8.4	7.1	7.5	8.4	7.8	7.9	8.7	8.0	8.3
13	8.0	7.0	7.2	8.3	7.0	7.5	8.8	7.6	7.9	8.9	8.0	8.3
14	7.2	7.0	7.1	8.6	7.3	7.6	8.9	7.5	8.0	8.7	8.0	8.2
15	7.4	7.0	7.2	8.2	7.4	7.7	9.1	7.5	8.1	9.3	8.0	8.3
16	7.3	7.0	7.1	8.5	7.3	7.7	9.3	7.6	8.2	9.6	7.9	8.4
17	7.4	6.9	7.0	8.5	7.2	7.7	9.4	7.7	8.2	9.2	8.0	8.4
18	7.4	6.9	7.0	8.3	7.2	7.5	9.4	7.7	8.3	8.9	8.0	8.3
19	7.3	6.8	7.0	9.0	7.3	7.8	9.3	7.7	8.2	9.1	8.0	8.3
20	7.2	6.8	7.0	8.8	7.3	7.8	9.2	7.8	8.2	9.2	8.0	8.4
21	7.4	6.8	7.0	8.7	7.2	7.8	9.1	7.8	8.2	9.2	8.0	8.4
22	7.6	6.9	7.1	8.6	7.1	7.7	9.4	7.8	8.3	9.2	8.0	8.2
23	7.2	6.9	7.0	8.7	7.1	7.8	9.0	7.8	8.3	9.0	8.0	8.3
24	7.3	7.0	7.1	9.0	7.3	7.9	9.2	7.8	8.3	9.2	8.0	8.4
25	7.6	7.0	7.4	9.0	7.3	8.0	9.0	7.8	8.2	9.3	8.0	8.5
26	7.5	7.2	7.3	9.1	7.4	8.0	8.7	7.8	8.1	9.2	8.0	8.5
27	7.4	7.1	7.2	8.8	7.4	7.9	9.2	7.7	8.1	9.2	8.0	8.5
28	7.8	7.0	7.2	9.0	7.5	8.0	9.2	7.6	8.3	9.1	8.0	8.4
29	7.6	7.0	7.2	8.9	7.6	8.1	9.0	7.8	8.3	8.8	8.1	8.3
30	---	---	---	8.9	7.6	7.9	8.6	8.0	8.2	9.0	8.1	8.4
31	---	---	---	8.2	7.4	7.7	---	---	---	9.1	8.0	8.4
MONTH	8.5	6.8	7.2	9.1	7.0	7.6	9.4	7.3	8.1	---	---	---

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Temperature, water, degrees Celsius
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.1	8.0	8.4	9.6	8.3	8.7	10.0	8.5	9.1	10.5	8.8	9.2
2	9.4	8.0	8.5	9.5	8.3	8.8	10.0	8.6	9.3	10.5	8.8	9.5
3	9.3	8.0	8.4	9.5	8.3	8.8	9.9	8.5	9.1	10.3	9.0	9.4
4	9.2	8.1	8.5	9.6	8.3	8.9	10.0	8.6	9.2	10.4	8.9	9.4
5	9.2	8.0	8.4	9.7	8.3	8.9	9.8	8.5	8.8	10.2	8.9	9.4
6	9.0	8.1	8.4	9.7	8.3	9.0	10.1	8.5	9.1	9.8	9.2	9.4
7	9.2	8.1	8.4	9.6	8.3	8.9	9.9	8.5	9.1	13.0	9.2	9.8
8	9.4	8.2	8.5	9.7	8.3	9.1	9.9	8.5	9.1	9.7	8.9	9.2
9	9.3	8.1	8.5	9.7	8.4	9.0	10.1	8.5	9.1	10.7	8.8	9.7
10	9.8	8.1	8.5	9.6	8.4	8.8	10.1	8.6	9.2	10.6	8.9	9.7
11	9.3	8.1	8.6	9.8	8.4	8.8	10.2	8.6	9.3	10.7	8.9	9.6
12	9.3	8.1	8.6	12.9	8.4	9.0	10.2	8.6	8.9	10.6	8.9	9.5
13	9.4	8.3	8.5	9.6	8.4	8.9	10.2	8.5	9.2	10.6	9.0	9.4
14	9.2	8.2	8.5	9.7	8.4	8.9	10.2	8.6	9.3	10.7	9.0	9.6
15	9.5	8.2	8.5	9.6	8.3	8.9	10.2	8.8	9.2	10.8	9.1	9.6
16	9.3	8.2	8.5	9.5	8.3	8.8	10.1	8.6	9.2	15.2	9.2	9.9
17	9.5	8.2	8.6	10.4	8.4	8.7	10.2	8.6	9.2	10.2	9.0	9.5
18	9.3	8.2	8.6	9.7	8.4	8.9	10.2	8.7	9.3	10.3	8.9	9.3
19	9.5	8.2	8.6	9.8	8.4	9.0	10.2	8.6	9.2	10.9	8.9	9.6
20	9.4	8.2	8.6	9.8	8.4	9.0	10.2	8.6	9.2	11.4	10.9	11.2
21	9.4	8.3	8.5	9.8	8.4	9.1	10.1	8.7	9.1	11.3	11.1	11.2
22	9.3	8.2	8.5	9.8	8.4	9.0	10.4	8.7	9.4	11.3	11.1	11.2
23	9.4	8.2	8.5	9.9	8.5	9.0	10.2	8.8	9.2	11.4	11.2	11.3
24	9.4	8.2	8.6	9.9	8.5	9.1	10.4	8.7	9.2	11.4	11.1	11.3
25	10.8	8.3	8.7	10.5	8.6	9.0	10.3	8.8	9.3	11.3	9.5	10.7
26	9.2	8.2	8.5	9.5	8.5	8.8	10.4	8.8	9.4	11.5	11.1	11.3
27	11.2	8.2	8.6	9.1	8.5	8.6	10.4	8.7	9.5	11.7	9.9	10.5
28	9.1	8.2	8.5	9.9	8.5	9.1	10.2	8.7	9.3	11.5	9.5	11.0
29	9.3	8.3	8.6	10.4	8.5	9.1	10.4	8.7	9.2	11.5	11.3	11.4
30	10.5	8.3	8.6	9.7	8.6	9.1	10.4	8.7	9.3	11.6	11.4	11.5
31	---	---	---	9.8	8.6	9.0	10.4	8.7	9.5	---	---	---
MONTH	11.2	8.0	8.5	12.9	8.3	8.9	10.4	8.5	9.2	15.2	8.8	10.1