

**APALACHICOLA RIVER BASIN
2004 Water Year**

02335757 BIG CREEK BELOW HOG WALLOW CREEK, AT ROSWELL, GA

LOCATION.—Lat 34°01'03", long 84°21'12" referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130001, on downstream side of footbridge on Oxbo Road, 0.5 miles downstream from Grimes Bridge Road.

DRAINAGE AREA.—103 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—January 27, 2004 to September 30, 2004.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

WATER TEMPERATURE: January 27, 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, 26.4°C, August 29; minimum recorded, 3.1°C, January 29.

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

STATION NUMBER 02335757 BIG CREEK BELOW HOG WALLOW CREEK AT ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
 LATITUDE 340103 LONGITUDE 0842112 NAD83 DRAINAGE AREA 103.16 CONTRIBUTING DRAINAGE AREA DATUM 940.00 NGVD29

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.6	4.7	5.2	11.7	8.4	9.7	14.1	12.3	12.9	18.9	17.3	18.0
2	5.6	4.3	5.2	13.6	11.5	12.4	13.3	11.1	12.3	19.0	17.9	18.4
3	5.5	4.4	5.0	15.2	13.5	14.3	14.9	11.8	13.3	17.9	15.6	16.7
4	6.0	5.0	5.5	15.4	14.4	14.9	14.5	12.4	13.5	15.7	13.8	14.8
5	5.9	5.5	5.6	15.7	14.8	15.2	14.4	11.4	13.0	17.0	13.7	15.4
6	6.9	5.6	6.1	16.5	15.6	16.0	15.2	11.7	13.5	18.7	15.7	17.3
7	6.9	5.5	6.3	16.1	14.8	15.4	15.9	12.8	14.4	19.7	17.0	18.4
8	5.5	4.3	4.9	14.8	12.2	13.0	16.8	14.4	15.5	20.5	17.9	19.3
9	5.7	5.0	5.3	12.2	10.6	11.2	17.3	14.6	15.9	20.8	19.1	20.0
10	6.3	5.3	5.7	11.0	9.5	10.3	15.9	14.2	15.2	21.2	19.4	20.3
11	7.2	6.2	6.6	11.0	9.0	10.1	15.5	13.9	15.1	21.2	19.8	20.5
12	7.3	6.7	6.9	11.8	10.1	10.9	15.5	14.6	15.3	20.6	19.9	20.4
13	7.4	6.2	6.8	12.1	10.1	11.2	14.8	13.0	14.1	21.2	20.0	20.5
14	8.4	7.4	7.8	13.2	11.0	12.1	13.0	11.9	12.4	20.9	20.2	20.5
15	8.4	7.9	8.3	14.4	12.8	13.6	13.9	11.4	12.6	21.3	19.9	20.7
16	7.9	6.8	7.1	15.8	14.3	14.9	15.4	12.9	14.2	22.5	19.9	20.7
17	6.9	6.4	6.7	15.0	13.6	14.3	16.8	14.3	15.6	21.2	20.7	21.0
18	7.5	6.0	6.8	14.0	12.5	13.1	18.2	15.3	16.8	20.8	20.1	20.4
19	8.2	6.3	7.2	14.8	12.3	13.5	18.9	16.2	17.6	21.2	20.2	20.7
20	8.8	7.3	7.9	15.4	13.1	14.3	19.0	16.9	18.0	21.9	20.4	21.2
21	10.1	8.8	9.4	15.4	13.8	14.9	18.5	17.0	17.8	22.7	21.2	22.0
22	10.1	8.7	9.5	13.8	11.3	12.2	19.2	16.7	18.0	22.5	21.4	21.9
23	9.7	8.6	8.9	11.7	9.5	10.7	19.6	17.2	18.6	22.7	20.9	21.9
24	9.2	8.8	9.0	12.5	9.6	11.1	20.1	17.8	19.0	22.5	20.9	21.8
25	9.3	8.5	8.9	---	---	---	20.1	18.4	19.3	23.1	21.3	22.3
26	8.5	6.3	7.2	---	---	---	19.6	18.3	18.8	23.6	21.9	22.7
27	6.3	5.7	6.0	17.0	14.6	15.8	18.3	16.7	17.5	23.7	22.1	22.8
28	7.8	5.5	6.6	18.2	15.3	16.8	16.7	14.7	15.9	23.7	22.4	22.8
29	8.6	6.8	7.7	18.3	16.4	17.3	17.3	15.0	16.2	22.6	21.9	22.2
30	---	---	---	17.4	15.9	16.8	17.7	16.7	17.1	23.0	21.5	22.3
31	---	---	---	17.0	14.0	15.4	---	---	---	22.8	21.7	22.1
MONTH	10.1	4.3	6.9	---	---	---	20.1	11.1	15.6	23.7	13.7	20.3

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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	21.7	20.8	21.2	23.2	22.4	22.7	25.4	24.1	24.8	23.5	22.4	23.2
2	21.3	20.0	20.7	23.3	22.3	22.9	25.4	24.4	24.8	23.1	22.3	22.6
3	21.1	20.0	20.7	23.8	22.5	23.2	25.4	24.0	24.7	22.3	21.9	22.1
4	21.9	20.3	21.2	25.6	23.1	23.8	25.7	24.4	24.9	22.3	21.5	21.9
5	21.5	20.4	21.0	24.9	23.9	24.4	26.3	24.3	24.8	22.8	21.7	22.2
6	21.8	20.6	21.1	24.8	23.4	24.1	24.6	22.9	23.7	22.5	22.1	22.2
7	21.4	21.0	21.1	24.5	22.7	23.6	23.0	21.5	22.3	22.5	21.8	22.1
8	21.7	20.9	21.2	24.6	22.8	23.8	22.5	21.1	21.7	22.3	22.1	22.2
9	24.0	21.1	21.7	24.5	23.0	23.8	22.1	20.8	21.5	22.7	21.7	22.1
10	23.5	22.1	22.8	24.8	23.2	24.0	21.6	21.0	21.3	22.6	21.9	22.3
11	24.3	22.4	23.4	25.4	23.5	24.5	22.4	20.6	21.4	22.5	21.8	22.2
12	25.1	23.2	24.1	25.4	24.1	24.6	22.6	21.6	22.1	22.3	21.6	22.0
13	24.8	23.8	24.1	25.8	24.1	24.9	22.2	21.1	21.7	21.9	21.2	21.6
14	24.7	23.4	23.9	25.9	24.4	25.0	21.1	19.8	20.6	21.3	20.5	21.0
15	24.3	23.3	23.8	25.2	23.4	24.0	21.8	20.4	21.0	21.0	20.5	20.7
16	24.4	23.5	24.0	24.2	23.6	24.0	22.7	21.3	22.2	22.6	20.8	21.6
17	25.0	23.4	24.2	26.0	23.4	24.0	23.0	21.8	22.4	22.5	22.1	22.3
18	25.7	23.5	24.5	24.8	24.2	24.5	23.4	22.3	22.8	22.1	21.3	21.8
19	25.6	23.9	24.8	24.4	23.5	24.0	23.4	22.2	22.8	21.3	20.0	20.4
20	25.2	23.7	24.5	23.7	22.5	23.2	24.4	22.6	23.2	20.0	18.7	19.1
21	24.5	23.2	23.8	24.2	22.6	23.5	24.5	22.9	23.4	18.8	18.0	18.4
22	24.9	23.1	23.8	24.2	23.0	23.7	24.0	22.6	23.3	19.0	17.8	18.4
23	24.2	23.5	23.8	25.3	23.7	24.4	24.0	22.8	23.3	19.6	17.9	18.8
24	23.5	22.9	23.2	25.7	24.3	24.9	23.8	22.7	23.3	20.3	18.7	19.5
25	23.8	22.5	23.1	25.4	23.7	24.7	23.7	23.0	23.4	20.4	19.4	19.9
26	23.7	23.2	23.4	24.8	23.4	23.9	23.7	23.1	23.4	20.2	19.3	19.9
27	23.9	22.8	23.2	24.5	24.0	24.3	23.9	23.2	23.6	20.6	19.7	20.0
28	23.4	22.8	23.0	25.0	23.9	24.4	24.4	23.4	23.9	20.6	20.0	20.3
29	23.1	22.4	22.7	24.3	23.5	23.9	26.4	23.2	24.2	20.6	20.1	20.4
30	23.7	22.4	22.8	24.9	23.7	24.3	24.0	23.4	23.7	20.3	19.4	19.7
31	---	---	---	25.7	23.8	24.5	24.1	23.0	23.5	---	---	---
MONTH	25.7	20.0	22.9	26.0	22.3	24.0	26.4	19.8	23.0	23.5	17.8	21.0