

**APALACHICOLA RIVER BASIN
2002 Water Year**

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA

LOCATION.—Lat 33°51'33", long 84°27'16" referenced to North American Datum (NAD) of 1983, Fulton-Cobb County line, Hydrologic Unit 03130001, on left bank 20.0 feet upstream from Paces Ferry Bridge, 1.0 mile downstream from Rottenwood Creek, 2.5 miles upstream from Peachtree Creek, and at mile 303.0.

DRAINAGE AREA.—1,450 mi², approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division, Georgia Power Corporation.

PERIOD OF RECORD.—May 6, 2002 to September 30, 2002.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: May 6, 2002 to September 30, 2002.

WATER TEMPERATURE: May 6, 2002 to September 30, 2002.

TURBIDITY: May 6, 2002 to September 30, 2002.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity records, which are fair.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 122 microsiemens, August 7; minimum, 55 microsiemens, September 21.

WATER TEMPERATURE: Maximum, 27.9°C, June 3, 4; minimum, 15.7°C, September 13.

TURBIDITY: Maximum, 872 NTU, July 3; minimum, <2.0 NTU, several days during year.

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

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
 LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29
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SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	87	70	80
8	---	---	---	---	---	---	---	---	---	100	85	90
9	---	---	---	---	---	---	---	---	---	111	100	103
10	---	---	---	---	---	---	---	---	---	111	107	109
11	---	---	---	---	---	---	---	---	---	108	101	104
12	---	---	---	---	---	---	---	---	---	109	100	105
13	---	---	---	---	---	---	---	---	---	113	87	106
14	---	---	---	---	---	---	---	---	---	119	108	114
15	---	---	---	---	---	---	---	---	---	118	105	109
16	---	---	---	---	---	---	---	---	---	111	---	---
17	---	---	---	---	---	---	---	---	---	109	96	102
18	---	---	---	---	---	---	---	---	---	109	86	97
19	---	---	---	---	---	---	---	---	---	103	93	100
20	---	---	---	---	---	---	---	---	---	98	92	94
21	---	---	---	---	---	---	---	---	---	105	98	100
22	---	---	---	---	---	---	---	---	---	110	101	105
23	---	---	---	---	---	---	---	---	---	111	99	106
24	---	---	---	---	---	---	---	---	---	112	102	107
25	---	---	---	---	---	---	---	---	---	112	103	108
26	---	---	---	---	---	---	---	---	---	113	102	108
27	---	---	---	---	---	---	---	---	---	118	101	108
28	---	---	---	---	---	---	---	---	---	112	101	106
29	---	---	---	---	---	---	---	---	---	113	103	108
30	---	---	---	---	---	---	---	---	---	114	103	109
31	---	---	---	---	---	---	---	---	---	112	102	105
MONTH	---	---	---	---	---	---	---	---	---	119	70	103

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 LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29
 Date Processed: 2003-03-13 15:43 By ceoberst

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 DD #1, DCP

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	21.9	18.1	20.4
8	---	---	---	---	---	---	---	---	---	23.6	19.5	21.9
9	---	---	---	---	---	---	---	---	---	24.4	20.7	22.5
10	---	---	---	---	---	---	---	---	---	24.6	21.4	23.0
11	---	---	---	---	---	---	---	---	---	24.5	21.6	23.0
12	---	---	---	---	---	---	---	---	---	23.4	21.3	22.4
13	---	---	---	---	---	---	---	---	---	23.5	20.9	22.4
14	---	---	---	---	---	---	---	---	---	22.2	18.2	20.3
15	---	---	---	---	---	---	---	---	---	22.0	17.9	20.1
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	23.0	19.5	21.4
18	---	---	---	---	---	---	---	---	---	22.3	19.4	21.0
19	---	---	---	---	---	---	---	---	---	21.6	18.2	19.7
20	---	---	---	---	---	---	---	---	---	20.9	17.4	19.0
21	---	---	---	---	---	---	---	---	---	20.0	17.0	18.6
22	---	---	---	---	---	---	---	---	---	20.3	16.3	18.3
23	---	---	---	---	---	---	---	---	---	20.9	16.4	18.8
24	---	---	---	---	---	---	---	---	---	21.7	17.2	19.6
25	---	---	---	---	---	---	---	---	---	22.3	18.3	20.5
26	---	---	---	---	---	---	---	---	---	23.0	19.5	21.3
27	---	---	---	---	---	---	---	---	---	23.8	20.4	22.2
28	---	---	---	---	---	---	---	---	---	24.7	20.7	22.8
29	---	---	---	---	---	---	---	---	---	24.7	21.1	23.0
30	---	---	---	---	---	---	---	---	---	24.3	21.2	22.8
31	---	---	---	---	---	---	---	---	---	25.5	21.5	23.5
MONTH	---	---	---	---	---	---	---	---	---	25.5	16.3	21.2

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APPROVED
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 TURBIDITY (NTU), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	114	52	69
7	---	---	---	---	---	---	---	---	---	58	25	35
8	---	---	---	---	---	---	---	---	---	30	17	21
9	---	---	---	---	---	---	---	---	---	42	17	27
10	---	---	---	---	---	---	---	---	---	56	17	29
11	---	---	---	---	---	---	---	---	---	40	23	30
12	---	---	---	---	---	---	---	---	---	106	39	72
13	---	---	---	---	---	---	---	---	---	290	62	100
14	---	---	---	---	---	---	---	---	---	140	5.7	44
15	---	---	---	---	---	---	---	---	---	18	5.5	8.1
16	---	---	---	---	---	---	---	---	---	14	5.2	7.7
17	---	---	---	---	---	---	---	---	---	19	3.5	8.3
18	---	---	---	---	---	---	---	---	---	73	12	35
19	---	---	---	---	---	---	---	---	---	18	6.7	11
20	---	---	---	---	---	---	---	---	---	13	5.2	7.9
21	---	---	---	---	---	---	---	---	---	13	4.2	6.2
22	---	---	---	---	---	---	---	---	---	9.0	3.5	5.3
23	---	---	---	---	---	---	---	---	---	6.9	2.0	3.9
24	---	---	---	---	---	---	---	---	---	8.5	<2.0	3.0
25	---	---	---	---	---	---	---	---	---	8.8	<2.0	2.6
26	---	---	---	---	---	---	---	---	---	6.1	<2.0	2.2
27	---	---	---	---	---	---	---	---	---	14	<2.0	2.1
28	---	---	---	---	---	---	---	---	---	6.3	<2.0	2.2
29	---	---	---	---	---	---	---	---	---	7.7	<2.0	<2.0
30	---	---	---	---	---	---	---	---	---	5.1	<2.0	<2.0
31	---	---	---	---	---	---	---	---	---	4.9	<2.0	<2.0
MAX	---	---	---	---	---	---	---	---	---	290	62	100
MIN	---	---	---	---	---	---	---	---	---	4.9	<2.0	<2.0

< Actual value is known to be less than the value shown

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TURBIDITY (NTU), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	4.6	<2.0	<2.0	18	8.9	11	16	4.7	7.7	18	11	14
2	4.2	<2.0	<2.0	135	9.0	11	16	5.3	8.2	---	---	---
3	4.4	<2.0	<2.0	872	17	32	18	9.0	11	---	---	---
4	193	<2.0	2.0	208	32	42	14	6.6	9.0	19	6.2	10
5	208	8.6	36	41	18	25	15	7.2	9.1	23	5.8	13
6	96	9.3	13	33	15	20	15	7.7	9.1	21	8.1	12
7	42	4.8	18	---	---	---	13	8.8	10	22	8.5	12
8	---	---	---	---	---	---	14	8.2	10	12	5.5	7.6
9	---	---	---	18	2.0	3.7	14	8.4	10	13	5.1	7.5
10	---	---	---	9.2	2.3	4.0	14	8.7	10	23	7.9	12
11	11	2.0	3.8	21	3.6	5.5	12	8.7	10	28	8.8	12
12	8.0	2.0	4.0	22	4.8	8.8	---	---	---	27	12	18
13	8.5	2.0	4.1	531	6.4	9.0	---	---	---	32	10	17
14	272	3.0	6.3	251	18	37	11	3.9	6.3	79	16	29
15	22	5.3	9.0	23	12	15	9.1	3.6	5.9	24	14	17
16	14	5.4	7.0	19	10	13	9.2	4.1	5.7	34	14	16
17	9.4	4.7	6.3	17	10	12	22	4.4	7.6	21	12	15
18	10	4.0	6.7	18	11	12	18	7.7	11	871	15	123
19	11	4.1	6.0	13	<2.0	3.4	15	6.7	8.8	114	31	48
20	12	5.0	6.6	9.5	2.3	4.1	21	7.8	14	48	31	37
21	13	5.3	7.2	35	2.3	6.0	13	7.0	9.5	790	37	100
22	12	7.2	9.0	38	3.0	6.4	37	8.5	12	88	56	72
23	25	7.3	10	---	---	---	49	6.5	13	88	42	64
24	24	6.6	15	---	---	---	32	5.7	14	61	38	49
25	55	7.7	18	---	---	---	37	5.4	7.7	66	22	36
26	48	9.1	15	50	18	23	58	6.6	8.8	45	16	24
27	19	8.5	11	29	14	19	48	11	16	28	17	22
28	20	9.4	12	38	15	25	36	13	18	24	15	19
29	14	8.1	9.9	---	---	---	29	13	18	38	16	19
30	12	8.4	9.7	---	---	---	67	13	17	29	12	18
31	---	---	---	19	5.9	9.9	21	13	16	---	---	---
MAX	272	9.4	36	872	32	42	67	13	18	871	56	123
MIN	4.2	<2.0	<2.0	9.2	<2.0	3.4	9.1	3.6	5.7	12	5.1	7.5

YEAR MAX MAXIMUM 872 MINIMUM 4.2
MIN MAXIMUM 62 MINIMUM <2.0
MEDIAN MAXIMUM 123 MINIMUM <2.0

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