

**APALACHICOLA RIVER BASIN
2001 Water Year**

02334885 SUWANEE CREEK NEAR SUWANEE, GA

LOCATION.—Lat 34°01'56", Long 84°05'22", Gwinnett County, Hydrologic unit 03070103, 20 feet upstream of U.S. Highway 23 bridge, 1.7 miles southwest of Suwanee, 3.1 miles upstream of the Chattahoochee River, 0.2 miles upstream of Bennett creek, 0.65 miles downstream of Mill Creek.

DRAINAGE AREA.—46.8 mi².

COOPERATION.—Gwinnett County Department of Public Utilities.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: March 1, 2001 to September 30, 2001.

WATER TEMPERATURE: February 16, 2001 to September 30, 2001.

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

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum recorded, 160 microsiemens, September 19,22; minimum recorded, 33 microsiemens, July 25.

WATER TEMPERATURE: Maximum recorded, 25.2°C, July 12, August 10; minimum recorded,7.1°C, March 20.

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS
 LATITUDE 340156 LONGITUDE 0840522 DRAINAGE AREA 46.80 DATUM 909.71 STATE 13 COUNTY 135

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	83	77	79	122	104	114
2	---	---	---	104	98	102	90	81	84	122	106	116
3	---	---	---	99	56	81	89	51	60	130	108	120
4	---	---	---	72	56	61	72	58	66	126	106	117
5	---	---	---	87	72	78	78	71	73	131	107	120
6	---	---	---	95	85	87	81	75	78	131	109	122
7	---	---	---	100	90	93	84	78	81	130	111	119
8	---	---	---	100	93	97	86	81	84	131	114	125
9	---	---	---	97	93	96	93	84	88	129	112	123
10	---	---	---	98	93	96	96	87	91	139	112	126
11	---	---	---	101	96	99	97	90	93	129	110	120
12	---	---	---	99	44	63	98	91	95	137	115	125
13	---	---	---	71	45	58	99	93	96	128	112	122
14	---	---	---	88	63	76	99	90	96	127	111	120
15	---	---	---	53	45	48	91	66	75	134	114	123
16	---	---	---	69	52	61	90	72	79	134	117	128
17	---	---	---	86	69	77	94	85	89	143	118	129
18	---	---	---	90	83	86	---	---	---	143	121	132
19	---	---	---	94	61	86	---	---	---	135	74	117
20	---	---	---	61	39	46	---	---	---	84	71	77
21	---	---	---	69	53	61	---	---	---	105	84	94
22	---	---	---	76	67	71	---	---	---	113	101	108
23	---	---	---	81	74	78	105	96	99	113	99	106
24	---	---	---	85	79	82	111	98	105	128	103	114
25	---	---	---	90	83	85	106	96	101	130	106	118
26	---	---	---	97	87	90	118	102	109	112	103	107
27	---	---	---	100	89	94	112	100	107	117	100	109
28	---	---	---	101	89	95	116	104	111	114	54	104
29	---	---	---	101	52	67	114	103	111	67	54	60
30	---	---	---	72	58	65	116	103	112	94	66	82
31	---	---	---	79	72	74	---	---	---	112	87	97
MONTH	---	---	---	---	---	---	---	---	---	143	54	113

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 LATITUDE 340156 LONGITUDE 0840522 DRAINAGE AREA 46.80 DATUM 909.71 STATE 13 COUNTY 135

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN									
1	103	45	64	93	36	55	96	76	85	126	111	120
2	66	45	54	68	57	64	113	93	103	122	99	109
3	75	58	69	76	52	61	113	102	109	112	104	109
4	77	59	66	69	47	57	116	106	112	112	74	88
5	89	77	83	71	60	65	116	96	110	97	73	85
6	99	68	88	78	67	74	115	66	109	117	96	103
7	87	70	79	100	78	89	98	69	86	123	112	119
8	107	87	99	114	95	104	103	75	86	130	119	125
9	111	101	108	111	101	106	118	99	105	136	123	130
10	115	103	109	120	105	113	118	98	108	136	123	130
11	117	104	112	123	107	116	116	104	108	142	128	136
12	129	100	116	131	110	120	117	108	114	142	115	127
13	137	89	98	128	116	124	115	53	75	145	128	140
14	116	89	106	130	117	125	66	38	46	154	132	147
15	125	102	110	129	116	123	63	51	59	156	138	149
16	116	93	103	127	116	123	74	63	71	154	140	149
17	119	99	109	144	119	128	98	72	83	158	139	150
18	140	117	125	144	116	130	103	94	99	155	140	149
19	152	125	138	138	123	132	107	98	102	160	141	152
20	158	126	145	138	125	134	111	102	106	158	141	150
21	155	123	137	137	124	132	120	105	110	157	134	150
22	147	59	118	134	120	128	123	110	118	160	134	150
23	73	56	66	132	122	129	129	115	124	153	80	138
24	97	73	84	136	123	131	135	118	128	123	54	78
25	111	95	103	142	33	66	131	120	126	86	65	75
26	121	105	114	68	36	54	129	116	125	108	85	94
27	124	107	116	83	68	77	126	116	123	118	102	109
28	146	40	60	98	83	92	129	113	123	122	116	120
29	84	53	63	103	69	94	133	114	125	135	122	130
30	76	68	73	73	60	67	133	115	126	137	125	135
31	---	---	---	113	57	80	129	114	123	---	---	---
MONTH	158	40	97	144	33	100	135	38	104	160	54	125

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS
 LATITUDE 340156 LONGITUDE 0840522 DRAINAGE AREA 46.80 DATUM 909.71 STATE 13 COUNTY 135

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	12.4	11.4	12.1	13.1	11.1	12.3	18.5	17.1	17.7
2	---	---	---	13.0	12.3	12.6	12.4	11.1	12.1	18.9	17.5	18.1
3	---	---	---	13.7	12.8	13.3	12.2	11.6	11.6	18.8	17.1	17.9
4	---	---	---	14.1	11.2	13.1	14.5	12.2	13.8	18.9	16.9	17.9
5	---	---	---	11.6	8.6	10.6	14.1	13.3	13.6	19.3	17.4	18.3
6	---	---	---	9.4	7.5	8.5	15.8	13.5	15.1	20.1	18.5	19.2
7	---	---	---	8.8	7.5	8.3	17.1	15.8	16.7	19.5	18.0	18.9
8	---	---	---	10.1	8.0	9.4	18.5	16.9	18.0	18.0	17.3	17.6
9	---	---	---	10.0	8.1	9.3	19.4	18.1	19.0	18.0	16.9	17.4
10	---	---	---	9.5	8.2	8.9	20.0	18.6	19.5	18.7	17.4	18.0
11	---	---	---	11.0	8.9	10.2	20.2	18.9	19.7	19.1	17.6	18.3
12	---	---	---	12.4	11.0	11.7	19.4	18.9	19.1	19.7	18.3	19.0
13	---	---	---	14.1	12.0	13.2	19.4	18.0	18.9	19.7	18.2	19.0
14	---	---	---	12.6	11.3	12.6	18.9	17.3	18.5	18.8	17.2	18.1
15	---	---	---	11.5	10.7	11.1	17.8	16.9	17.5	19.0	17.1	18.1
16	14.4	12.8	13.6	13.2	10.7	12.3	17.6	15.1	16.8	20.1	17.8	18.9
17	12.8	9.0	11.3	12.8	11.0	12.1	15.3	12.4	14.0	21.0	19.0	20.0
18	9.6	8.1	8.9	12.2	10.5	11.6	---	---	---	21.5	19.6	20.6
19	9.1	8.1	8.8	11.1	7.6	10.2	---	---	---	21.4	20.0	20.5
20	9.9	8.8	9.0	8.0	7.1	7.4	---	---	---	20.4	19.8	20.2
21	12.1	9.9	11.4	9.5	8.0	9.1	---	---	---	21.0	20.3	20.6
22	11.1	9.2	10.0	11.7	9.3	10.9	---	---	---	20.8	19.5	20.5
23	10.6	9.3	10.2	12.4	10.8	11.8	18.5	17.6	18.2	19.5	17.9	18.5
24	10.9	9.7	10.2	12.2	11.3	11.8	18.6	17.0	17.9	18.7	17.5	18.1
25	13.0	10.9	12.4	12.9	10.5	12.0	17.2	15.7	16.5	18.6	17.9	18.2
26	13.4	11.7	12.8	11.4	9.0	10.3	16.4	15.3	15.9	18.7	17.3	18.0
27	12.3	11.7	12.2	10.3	8.9	9.5	16.5	15.4	16.0	19.7	17.6	18.6
28	12.6	11.4	12.1	9.9	8.9	9.6	17.2	16.1	16.9	20.1	18.8	19.3
29	---	---	---	9.4	8.9	9.1	18.1	17.2	17.6	20.6	19.5	20.0
30	---	---	---	12.0	9.4	11.1	18.1	17.2	17.6	20.4	19.5	20.0
31	---	---	---	12.5	11.7	12.2	---	---	---	20.5	19.6	20.0
MONTH	---	---	---	14.1	7.1	10.8	---	---	---	21.5	16.9	18.9

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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.9	19.5	19.9	22.6	21.2	21.8	24.0	23.4	23.7	22.7	22.0	22.2
2	19.8	18.8	19.4	22.6	21.8	22.1	23.6	23.0	23.4	22.2	21.6	21.8
3	20.6	19.0	19.6	23.4	22.2	22.9	23.6	22.5	23.0	21.9	21.6	21.7
4	20.7	19.6	20.1	23.2	22.5	22.8	23.8	22.9	23.2	22.5	21.7	22.0
5	21.3	20.5	20.9	23.1	22.2	22.8	24.0	23.1	23.6	22.7	21.7	22.1
6	22.9	21.1	21.7	23.4	22.1	22.8	24.4	23.4	23.6	23.2	22.1	22.6
7	22.4	21.2	21.6	23.0	22.2	22.5	24.6	23.1	23.7	23.3	22.4	22.8
8	21.3	20.8	21.1	23.2	22.0	22.6	24.6	23.5	23.9	23.2	22.1	22.5
9	21.2	20.6	20.9	24.5	22.9	23.7	25.1	23.9	24.4	22.9	21.9	22.4
10	21.2	20.1	20.7	24.5	23.4	24.0	25.2	24.2	24.7	23.3	22.3	22.9
11	21.5	20.9	21.1	25.1	23.6	24.3	25.1	24.2	24.5	23.5	22.7	23.1
12	21.4	20.8	21.0	25.2	24.0	24.5	24.7	23.8	24.2	23.7	22.8	23.2
13	22.2	20.6	21.4	24.6	23.9	24.2	24.9	23.8	24.1	22.9	21.6	22.1
14	23.2	22.1	22.6	24.2	23.0	23.6	24.5	23.0	23.7	21.8	20.8	21.4
15	23.5	22.5	22.9	23.5	22.4	23.0	24.2	22.8	23.4	21.4	19.5	20.4
16	23.4	22.6	22.9	22.9	21.8	22.4	23.9	23.2	23.4	19.5	17.9	18.6
17	23.2	21.7	22.5	22.9	21.4	22.1	23.9	23.1	23.5	18.4	17.1	17.8
18	23.4	21.9	22.6	23.5	21.9	22.7	24.6	23.4	23.9	18.2	16.9	17.6
19	23.3	22.0	22.6	23.6	22.4	23.1	24.2	23.3	23.8	18.7	17.8	18.2
20	23.1	21.6	22.3	23.6	23.0	23.3	24.0	23.1	23.5	19.9	18.7	19.2
21	23.2	21.7	22.5	23.3	22.8	23.1	23.7	21.9	22.7	20.1	18.7	19.5
22	22.7	21.6	22.2	23.4	22.0	22.8	22.9	21.2	22.0	20.1	18.8	19.5
23	21.7	21.0	21.4	23.6	22.0	22.9	22.7	21.4	22.0	22.1	19.2	20.1
24	21.5	20.5	21.0	23.5	22.9	23.2	23.1	21.9	22.4	21.5	20.1	20.9
25	21.7	20.7	21.1	23.5	22.9	23.1	23.2	22.2	22.7	20.1	17.3	18.6
26	21.6	20.7	21.1	23.4	22.6	23.0	23.4	22.3	22.8	17.3	15.8	16.4
27	22.3	20.7	21.5	---	---	---	23.7	22.7	23.2	16.0	14.7	15.5
28	22.6	20.7	21.6	23.9	22.7	23.3	23.7	22.7	23.0	16.1	14.7	15.5
29	22.6	21.3	21.8	23.8	22.5	22.9	23.1	22.5	22.8	16.2	15.2	15.7
30	22.6	22.0	22.3	23.8	23.2	23.5	23.0	22.6	22.8	15.8	14.8	15.4
31	---	---	---	24.0	23.6	23.8	22.9	22.4	22.6	---	---	---
MONTH	23.5	18.8	21.5	---	---	---	25.2	21.2	23.4	23.7	14.7	20.1