



2004 Water Year
APALACHICOLA RIVER BASIN

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA

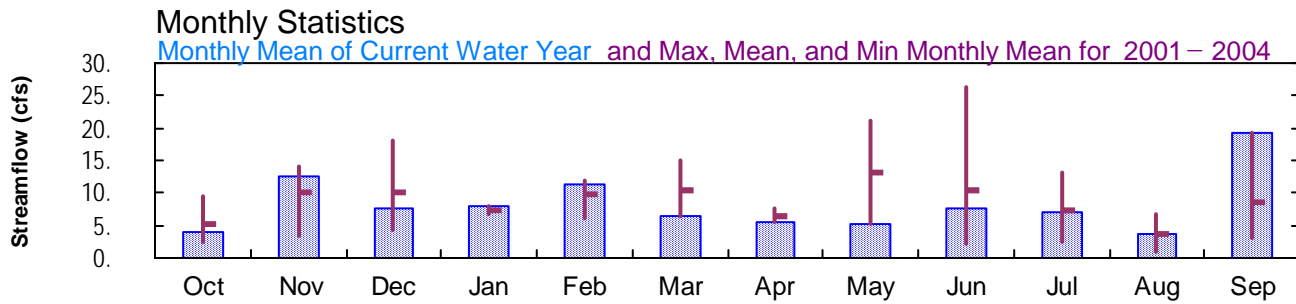
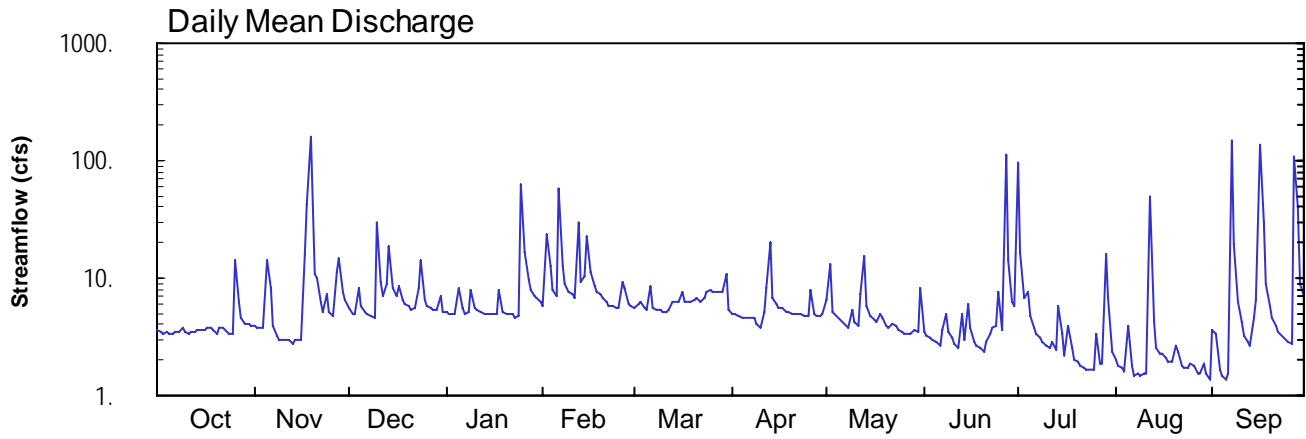
Latitude: 34° 05 ' 47"
Gwinnett County

Longitude: 084° 04 ' 47"

Datum: 985 feet

Hydrologic Unit Code: 03130001

Drainage Area: 5.04 mi²



**APALACHICOLA RIVER BASIN
2004 Water Year**

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°05'47", long 84°04'47" referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, Gwinnett County, 20.0 feet upstream of the culvert on Suwanee Dam Road, 2.4 miles upstream from the confluence with the Chattahoochee River.

DRAINAGE AREA.—5.04 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 985.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except periods of estimated discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 985.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.49 feet, September 16; minimum gage-height recorded, 3.42 feet, August 31.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
 LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04* CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Discharge, cubic feet per second
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	3.9	e5.5	5.1	5.7	5.6	5.0	6.4	3.5	94	2.0	3.7
2	3.5	3.8	4.9	5.0	23	5.9	4.9	13	3.2	17	1.8	3.3
3	3.3	3.8	4.9	5.0	13	6.2	4.8	5.1	3.1	6.8	1.7	1.7
4	3.5	3.8	8.3	4.9	7.8	5.5	4.6	4.8	3.0	7.7	1.6	1.5
5	3.3	14	5.8	8.4	7.0	5.4	4.7	4.7	2.8	4.7	3.9	1.4
6	3.4	8.1	5.1	5.6	58	8.6	4.6	4.2	2.7	3.8	1.8	1.5
7	3.4	4.0	4.9	5.0	13	5.6	4.5	4.0	3.6	3.4	1.5	147
8	3.5	3.3	4.8	5.1	8.8	5.3	4.6	3.8	4.9	3.1	1.5	20
9	3.8	2.9	4.6	7.8	7.7	5.3	4.1	5.4	3.5	2.9	1.5	6.4
10	3.4	3.0	29	5.6	7.2	5.2	3.8	4.2	3.1	2.7	1.5	4.2
11	3.4	3.0	9.4	5.3	6.8	5.1	5.2	3.9	2.7	2.6	1.5	3.3
12	3.5	3.0	7.0	5.2	29	5.3	8.1	7.3	2.5	2.9	50	2.8
13	3.5	2.7	8.7	5.1	9.1	6.2	20	15	4.9	2.5	4.2	2.7
14	3.7	3.0	19	5.0	10	6.3	6.8	5.9	3.0	5.7	2.6	4.5
15	3.6	3.0	8.1	4.9	23	6.4	6.0	4.7	6.0	3.4	2.3	6.4
16	3.6	3.0	7.0	4.9	11	7.5	5.6	4.5	3.8	2.2	2.3	e138
17	3.8	16	8.7	5.0	8.7	6.4	5.5	4.2	2.9	3.9	2.1	30
18	3.7	43	6.4	7.9	7.6	6.3	5.2	4.9	2.7	2.6	2.0	8.8
19	3.6	157	6.0	5.1	7.3	6.4	5.1	4.5	2.5	2.0	1.9	5.9
20	3.4	11	5.7	4.9	6.8	6.5	5.0	4.0	2.3	1.9	2.6	4.5
21	3.8	10	5.4	4.9	6.4	6.8	4.9	3.7	2.9	1.8	2.4	3.9
22	3.8	6.1	5.5	4.9	5.8	6.3	4.9	4.1	3.4	1.8	1.8	3.5
23	3.5	5.1	8.4	4.6	5.8	6.8	4.9	3.9	3.7	1.6	1.7	3.2
24	3.4	7.4	14	4.8	5.7	7.7	4.8	3.6	3.9	1.6	1.8	3.0
25	3.4	5.1	6.5	64	5.7	8.0	4.7	3.5	7.7	1.6	1.8	2.9
26	14	4.8	5.8	16	9.3	7.7	8.0	3.4	3.7	3.3	1.8	2.8
27	6.2	11	5.5	9.6	8.1	7.7	4.9	3.3	113	1.9	1.6	110
28	4.7	e14	5.3	7.8	6.1	7.5	4.8	3.3	14	1.8	1.5	40
29	4.1	e7.5	5.3	7.0	5.8	7.6	4.8	3.7	6.2	16	1.9	8.8
30	4.0	e6.5	7.0	6.7	---	11	4.9	3.5	5.8	6.7	1.6	7.0
31	3.9	---	5.2	6.3	---	5.3	---	8.4	---	2.4	1.3	---
TOTAL	125.4	372.8	237.7	247.4	329.2	203.4	169.7	158.9	231.0	216.3	109.5	582.7
MEAN	4.05	12.4	7.67	7.98	11.4	6.56	5.66	5.13	7.70	6.98	3.53	19.4
MAX	14	157	29	64	58	11	20	15	113	94	50	147
MIN	3.3	2.7	4.6	4.6	5.7	5.1	3.8	3.3	2.3	1.6	1.3	1.4
AC-FT	249	739	471	491	653	403	337	315	458	429	217	1160
CFSM	0.80	2.47	1.52	1.58	2.25	1.30	1.12	1.02	1.53	1.38	0.70	3.85
IN.	0.93	2.75	1.75	1.83	2.43	1.50	1.25	1.17	1.71	1.60	0.81	4.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

	2001	2002	2003	2004
MEAN	5.35	9.96	10.0	7.37
MAX	9.50	14.2	18.1	7.98
(WY)	2003	2003	2003	2003
MIN	2.51	3.23	4.34	6.77
(WY)	2002	2002	2002	2002

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 2001 - 2004

ANNUAL TOTAL	4188.7	2984.0	
ANNUAL MEAN	11.5	8.15	10.6
HIGHEST ANNUAL MEAN			13.0
LOWEST ANNUAL MEAN			8.15
HIGHEST DAILY MEAN	224 Jun 18	157 Nov 19	224 Jun 18 2003
LOWEST DAILY MEAN	2.5 Sep 21	1.3 Aug 31	0.21 Aug 24 2002
ANNUAL SEVEN-DAY MINIMUM	2.7 Sep 15	1.6 Aug 25	0.31 Aug 19 2002
MAXIMUM PEAK STAGE		12.49 Sep 16	12.49 Sep 16 2004
ANNUAL RUNOFF (AC-FT)	8310	5920	7650
ANNUAL RUNOFF (CFSM)	2.28	1.62	2.09
ANNUAL RUNOFF (INCHES)	30.92	22.02	28.46
10 PERCENT EXCEEDS	18	10	17
50 PERCENT EXCEEDS	6.2	4.9	5.7
90 PERCENT EXCEEDS	3.5	2.2	2.8

e Estimated

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 LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04* CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Gage height, feet
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.53	3.53	---	3.54	3.56	3.56	3.54	3.56	3.48	4.35	3.46	3.50
2	3.52	3.53	3.54	3.54	3.80	3.56	3.54	3.71	3.48	3.78	3.45	3.49
3	3.52	3.53	3.54	3.54	3.71	3.57	3.54	3.52	3.47	3.57	3.45	3.45
4	3.52	3.53	3.62	3.54	3.60	3.55	3.54	3.51	3.47	3.59	3.44	3.44
5	3.52	3.71	3.56	3.62	3.59	3.55	3.54	3.51	3.47	3.53	3.50	3.44
6	3.52	3.62	3.55	3.56	4.21	3.62	3.53	3.50	3.46	3.51	3.45	3.44
7	3.52	3.53	3.54	3.54	3.71	3.56	3.53	3.49	3.49	3.50	3.44	5.05
8	3.52	3.52	3.54	3.55	3.63	3.55	3.53	3.49	3.52	3.49	3.44	3.84
9	3.53	3.51	3.53	3.60	3.60	3.55	3.52	3.53	3.48	3.49	3.44	3.56
10	3.52	3.51	3.95	3.56	3.59	3.55	3.52	3.50	3.47	3.48	3.44	3.52
11	3.52	3.51	3.64	3.55	3.58	3.54	3.55	3.49	3.46	3.48	3.44	3.50
12	3.52	3.51	3.58	3.55	3.94	3.55	3.60	3.57	3.46	3.49	4.05	3.49
13	3.52	3.50	3.62	3.54	3.63	3.57	3.83	3.71	3.52	3.48	3.52	3.48
14	3.53	3.51	3.82	3.54	3.66	3.57	3.57	3.54	3.47	3.55	3.48	3.52
15	3.52	3.51	3.61	3.54	3.87	3.57	3.54	3.51	3.54	3.50	3.47	3.56
16	3.52	3.51	3.58	3.54	3.68	3.60	3.54	3.50	3.49	3.47	3.47	5.42
17	3.53	3.75	3.62	3.54	3.62	3.57	3.53	3.50	3.47	3.51	3.46	3.99
18	3.53	3.94	3.57	3.61	3.60	3.57	3.53	3.52	3.46	3.48	3.46	3.62
19	3.52	5.02	3.56	3.54	3.59	3.57	3.52	3.51	3.46	3.46	3.46	3.55
20	3.52	3.68	3.56	3.54	3.58	3.57	3.52	3.49	3.45	3.46	3.47	3.52
21	3.53	3.65	3.55	3.54	3.57	3.58	3.52	3.49	3.47	3.45	3.47	3.51
22	3.53	3.57	3.55	3.54	3.56	3.57	3.51	3.49	3.48	3.45	3.45	3.50
23	3.52	3.54	3.61	3.54	3.56	3.58	3.51	3.49	3.49	3.45	3.45	3.50
24	3.52	3.60	3.73	3.54	3.56	3.60	3.51	3.49	3.49	3.45	3.45	3.49
25	3.52	3.54	3.57	4.33	3.56	3.61	3.51	3.48	3.58	3.45	3.45	3.49
26	3.74	3.54	3.56	3.78	3.64	3.60	3.60	3.48	3.48	3.49	3.45	3.48
27	3.58	3.67	3.55	3.64	3.61	3.60	3.52	3.48	4.56	3.46	3.44	4.56
28	3.55	---	3.55	3.60	3.57	3.60	3.51	3.48	3.74	3.45	3.44	4.06
29	3.54	---	3.55	3.59	3.56	3.60	3.51	3.49	3.56	3.63	3.46	3.62
30	3.53	---	3.59	3.58	---	3.66	3.51	3.48	3.55	3.57	3.44	3.57
31	3.53	---	3.55	3.57	---	3.55	---	3.59	---	3.47	3.44	---
MEAN	3.53	---	---	3.59	3.65	3.58	3.54	3.52	3.53	3.53	3.48	3.71
MAX	3.74	---	---	4.33	4.21	3.66	3.83	3.71	4.56	4.35	4.05	5.42
MIN	3.52	---	---	3.54	3.56	3.54	3.51	3.48	3.45	3.45	3.44	3.44

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 LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04* CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Precipitation, total, inches
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.01	---	0.00	0.00	0.00	0.00	0.53	0.00	3.05	0.00	0.43
2	0.00	0.00	0.00	0.00	0.89	0.15	0.00	0.36	0.00	0.18	0.00	0.04
3	0.00	0.00	0.04	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00
5	0.00	1.02	0.01	0.41	0.03	0.00	0.00	0.00	0.00	0.00	0.66	0.00
6	0.00	0.02	0.00	0.00	1.17	0.43	0.00	0.00	0.00	0.00	0.00	0.01
7	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	4.22
8	0.02	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.13
9	0.05	0.00	0.00	0.27	0.00	0.02	0.00	0.15	0.10	0.00	0.00	0.00
10	0.00	0.00	1.18	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.02	0.00	0.00	0.00	0.12	0.00	0.21	0.06	0.00	0.00	0.00	0.01
12	0.00	0.00	0.00	0.01	0.77	0.00	0.99	0.69	0.00	0.07	1.87	0.00
13	0.01	0.00	0.44	0.00	0.00	0.00	0.55	0.72	0.32	0.00	0.00	0.00
14	0.05	0.00	0.24	0.00	0.27	0.00	0.00	0.00	0.06	0.70	0.00	0.00
15	0.01	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.67	0.00	0.00	0.00
16	0.00	0.01	0.12	0.00	0.00	0.15	0.00	0.00	0.03	0.00	0.00	4.47
17	0.02	1.24	0.12	0.20	0.00	0.00	0.00	0.00	0.01	0.36	0.00	0.21
18	0.01	1.74	0.02	0.17	0.00	0.00	0.00	0.19	0.01	0.00	0.00	0.00
19	0.00	1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.17	0.00
21	0.00	0.00	0.00	0.00	0.07	0.04	0.00	0.00	0.15	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.21	0.00	0.00	0.00
23	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.01	0.22	0.00	0.00	0.01
24	0.00	0.37	0.03	0.00	0.01	0.00	0.00	0.00	0.20	0.00	0.00	0.00
25	0.00	0.00	0.00	1.95	0.08	0.00	0.00	0.00	0.47	0.12	0.00	0.00
26	1.14	0.00	0.00	0.03	0.15	0.00	0.62	0.00	0.06	0.26	0.00	0.00
27	0.01	0.79	0.00	0.00	0.46	0.00	0.00	0.00	3.04	0.00	0.00	2.82
28	0.00	---	0.00	0.00	0.00	0.00	0.00	0.08	0.24	0.00	0.00	0.06
29	0.00	---	0.05	0.00	0.00	0.00	0.00	0.07	0.00	0.69	0.47	0.00
30	---	---	0.21	0.00	---	0.65	0.00	0.00	0.30	0.00	0.00	0.00
31	---	---	0.00	0.00	---	0.02	---	0.58	---	0.00	0.00	---
TOTAL	---	---	---	3.11	4.78	1.50	2.37	3.55	6.44	5.72	3.17	12.41