



2004 Water Year
APALACHICOLA RIVER BASIN

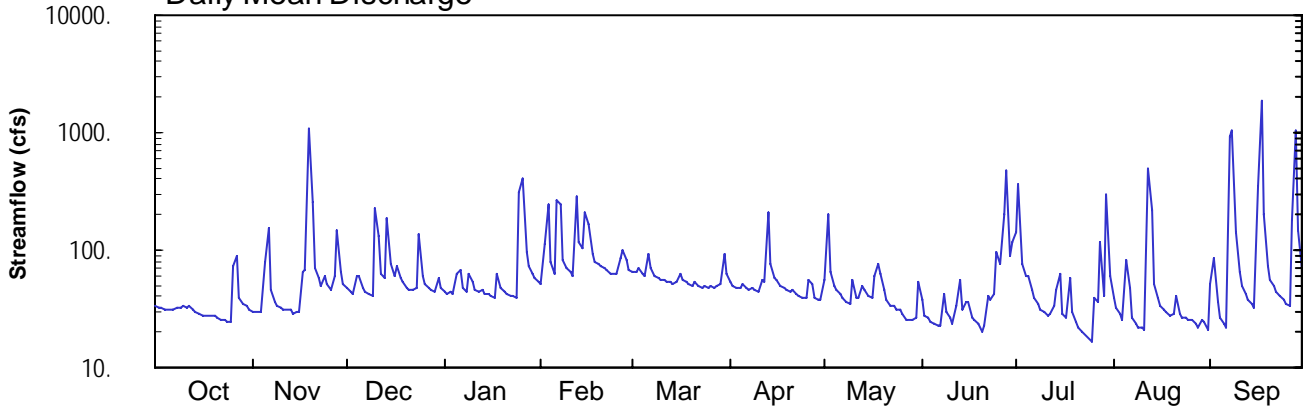
02334885 SUWANEE CREEK AT SUWANEE, GA

Latitude: 34° 01 ' 56"
Gwinnett County

Longitude: 084° 05 ' 22"
Datum: 909.71 feet

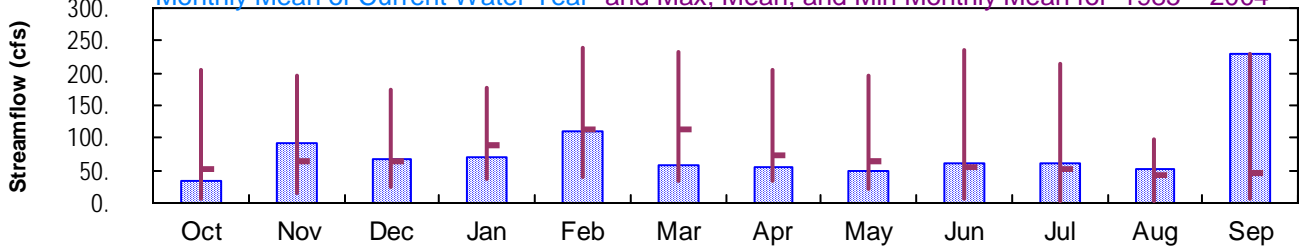
Hydrologic Unit Code: 03130001
Drainage Area: 47. mi²

Daily Mean Discharge

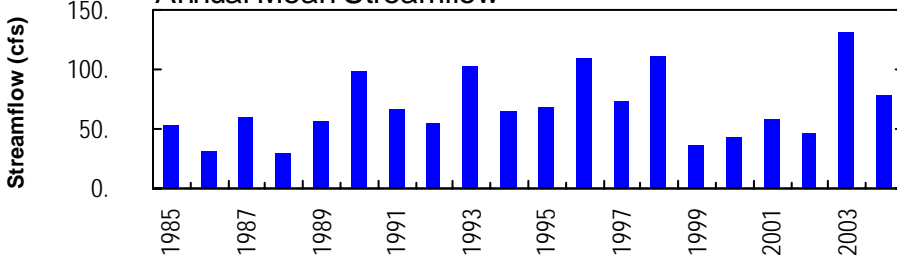


Monthly Statistics

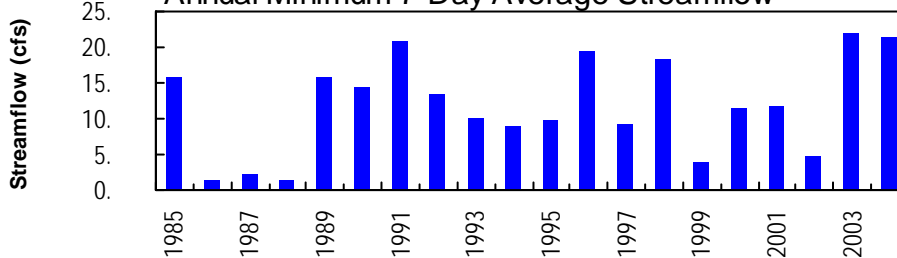
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1985 – 2004



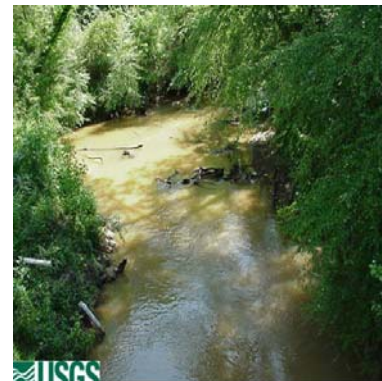
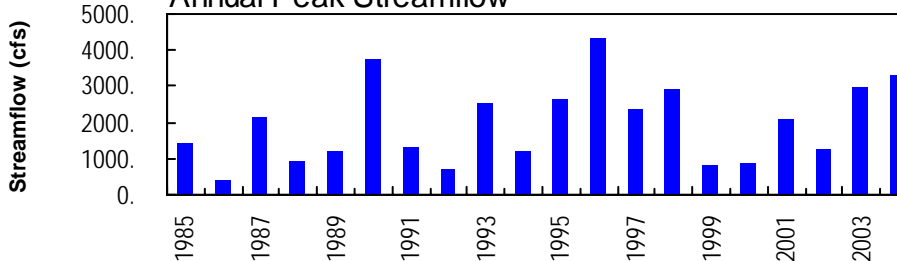
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



USGS science for a changing world 02334885 - Suwanee Creek near Suwanee, GA

**APALACHICOLA RIVER BASIN
2004 Water Year**

02334885 SUWANEE CREEK AT SUWANEE, GA

LOCATION.—Lat 34°01'56", long 84°05'22" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of US 23 bridge, 1.7 miles southwest of Suwanee, 3.1 miles upstream of the Chattahoochee River, 0.2 miles upstream of Bennett Creek, and 0.65 miles downstream of Mill Creek.

DRAINAGE AREA.—47.0 square miles.

COOPERATION.—Atlanta Regional Commission, Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1984 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 909.71 feet above National Geodetic Vertical Datum (NGVD) of 1929.

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

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 550 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/19	1545	1,530	8.97
01/26	0015	651	6.21
02/07	0115	573	5.70
06/28	0815	794	6.97
07/02	1000	557	5.58
08/12	2215	889	7.42
09/07	2145	2,130	9.84
09/17	0745	3,270*	11.10*
09/28	0830	1,630	9.13

**APALACHICOLA RIVER BASIN
2004 Water Year**

02334885 SUWANEE CREEK AT SUWANEE, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1984 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 909.71 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.10 feet, September 17; minimum gage-height recorded, 1.12 feet, July 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 17, 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 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
 LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00* DATUM 909.71 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	34	30	48	44	51	64	54	56	38	141	40	51
2	33	30	44	43	111	e64	50	201	28	358	32	84
3	32	30	43	43	242	e70	49	65	26	77	29	36
4	31	30	59	43	78	63	47	50	25	61	26	27
5	31	78	61	63	64	60	52	45	23	59	81	24
6	31	151	48	69	267	92	47	42	22	45	47	22
7	31	45	44	47	249	72	46	39	23	39	27	927
8	32	37	42	45	83	60	47	36	43	35	23	1060
9	32	34	41	62	69	58	46	35	30	32	22	142
10	34	32	225	53	65	57	44	56	27	30	22	64
11	32	32	129	47	60	55	55	38	24	28	21	49
12	33	32	63	44	290	54	54	e39	34	28	496	42
13	31	30	59	45	115	53	209	e50	56	33	215	37
14	30	29	187	43	105	52	76	e46	32	46	52	35
15	29	29	75	43	214	53	59	41	36	63	39	32
16	27	29	60	41	168	62	55	39	36	29	34	346
17	27	66	75	40	93	56	50	60	27	27	31	1900
18	28	69	57	62	80	53	47	e78	25	58	30	202
19	28	1070	53	47	75	52	46	e62	24	29	27	74
20	28	253	48	43	72	50	45	e46	20	24	28	56
21	27	71	46	42	71	54	45	e37	22	22	41	49
22	26	57	45	41	67	49	43	34	41	20	28	44
23	25	51	47	40	63	48	41	34	38	19	27	40
24	25	60	136	39	63	49	40	32	42	18	27	37
25	25	52	60	315	64	48	39	31	95	17	26	35
26	74	45	51	400	87	49	57	29	75	39	25	33
27	89	61	48	97	100	48	51	26	202	36	24	179
28	39	150	46	73	81	49	40	25	481	119	22	1050
29	35	65	45	63	67	51	38	25	88	40	25	146
30	34	52	58	58	---	91	38	26	117	294	25	71
31	30	---	47	54	---	62	---	53	---	61	21	---
TOTAL	1043	2800	2090	2189	3214	1798	1610	1476	1800	1927	1613	6894
MEAN	33.6	93.3	67.4	70.6	111	58.0	53.7	47.6	60.0	62.2	52.0	230
MAX	89	1070	225	400	290	92	209	201	481	358	496	1900
MIN	25	29	41	39	51	48	38	25	20	17	21	22
CFSM	0.72	1.99	1.43	1.50	2.36	1.23	1.14	1.01	1.28	1.32	1.11	4.89
IN.	0.83	2.22	1.65	1.73	2.54	1.42	1.27	1.17	1.42	1.53	1.28	5.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	51.5	65.0	64.4	87.7	112	114	74.7	63.4	55.3	52.9	41.7	47.1									
MAX	204	196	175	178	239	233	206	194	236	213	96.8	230									
(WY)	1996	1993	1993	1996	1998	1990	1998	2003	2003	2003	1994	2004									
MIN	5.35	14.6	23.8	37.1	38.3	34.7	35.2	20.4	6.20	4.20	4.23	6.19									
(WY)	1988	1988	1988	1986	1986	1988	1986	1988	1988	1986	1986	1987									

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1985 - 2004

ANNUAL TOTAL	43439	28454										
ANNUAL MEAN	119	77.7								68.9		
HIGHEST ANNUAL MEAN										132		2003
LOWEST ANNUAL MEAN										30.0		1988
HIGHEST DAILY MEAN	1850	Jul 2				1900	Sep 17		2790	Oct 5	1995	
LOWEST DAILY MEAN	24	Sep 20				17	Jul 25		1.0	Jul 20	1988	
ANNUAL SEVEN-DAY MINIMUM	26	Sep 15				21	Jul 19		1.3	Jul 16	1988	
MAXIMUM PEAK FLOW						3270	Sep 17		4350	Oct 5	1995	
MAXIMUM PEAK STAGE						11.10	Sep 17		12.04	Oct 5	1995	
INSTANTANEOUS LOW FLOW						16	Jul 25					
ANNUAL RUNOFF (CFSM)	2.53					1.65				1.47		
ANNUAL RUNOFF (INCHES)	34.38					22.52				19.92		
10 PERCENT EXCEEDS	211					116				119		
50 PERCENT EXCEEDS	64					46				42		
90 PERCENT EXCEEDS	31					26				16		

e Estimated

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

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
 LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00* DATUM 909.71 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	1.54	1.47	1.71	1.67	1.75	1.82	1.69	1.72	1.49	2.42	1.52	1.62
2	1.52	1.48	1.67	1.65	2.15	---	1.65	2.78	1.35	4.03	1.42	1.98
3	1.50	1.47	1.65	1.66	3.13	---	1.63	1.82	1.32	1.95	1.37	1.47
4	1.50	1.47	1.84	1.65	2.05	1.80	1.61	1.65	1.30	1.78	1.32	1.33
5	1.49	1.83	1.86	1.87	1.90	1.77	1.67	1.59	1.27	1.76	1.78	1.27
6	1.49	2.47	1.71	1.95	3.36	2.08	1.61	1.55	1.25	1.59	1.61	1.23
7	1.49	1.68	1.66	1.70	3.24	1.90	1.60	1.51	1.26	1.52	1.33	6.27
8	1.51	1.57	1.64	1.67	2.10	1.77	1.61	1.48	1.56	1.46	1.27	7.45
9	1.51	1.53	1.63	1.88	1.97	1.75	1.60	1.46	1.39	1.41	1.24	2.44
10	1.53	1.51	2.95	1.77	1.92	1.73	1.58	1.72	1.33	1.38	1.23	1.84
11	1.51	1.50	2.38	1.70	1.86	1.71	1.71	1.51	1.27	1.35	1.23	1.67
12	1.53	1.50	1.89	1.67	3.42	1.70	1.69	---	1.36	1.35	4.89	1.58
13	1.50	1.48	1.84	1.68	2.31	1.68	2.84	---	1.70	1.44	2.94	1.52
14	1.48	1.46	2.72	1.65	2.24	1.68	1.94	---	1.41	1.52	1.67	1.48
15	1.46	1.47	2.03	1.65	2.90	1.69	1.75	1.54	1.47	1.78	1.52	1.45
16	1.43	1.47	1.86	1.63	2.60	1.79	1.71	1.52	1.48	1.37	1.45	3.33
17	1.43	1.90	2.02	1.61	2.11	1.72	1.65	1.75	1.34	1.32	1.41	9.19
18	1.44	1.85	1.83	1.88	1.99	1.69	1.62	---	1.31	1.73	1.38	2.85
19	1.43	7.70	1.78	1.71	1.93	1.67	1.59	---	1.27	1.37	1.34	1.96
20	1.44	3.24	1.72	1.66	1.90	1.65	1.58	---	1.20	1.29	1.36	1.75
21	1.42	1.98	1.69	1.64	1.89	1.70	1.59	---	1.24	1.24	1.53	1.66
22	1.40	1.82	1.68	1.62	1.85	1.64	1.56	1.45	1.53	1.21	1.36	1.60
23	1.39	1.74	1.70	1.62	1.81	1.63	1.53	1.45	1.50	1.19	1.33	1.56
24	1.39	1.85	2.42	1.61	1.81	1.64	1.52	1.41	1.54	1.15	1.34	1.52
25	1.39	1.77	1.86	3.69	1.81	1.62	1.51	1.40	2.01	1.14	1.32	1.49
26	1.85	1.68	1.75	4.31	2.04	1.63	1.72	1.37	1.90	1.50	1.30	1.46
27	2.07	1.83	1.71	2.22	2.17	1.63	1.66	1.32	2.78	1.47	1.27	2.59
28	1.61	2.52	1.69	2.01	1.99	1.63	1.52	1.30	4.87	2.16	1.25	7.53
29	1.55	1.92	1.68	1.89	1.85	1.66	1.50	1.30	2.04	1.53	1.30	2.47
30	1.53	1.77	1.84	1.84	---	2.07	1.50	1.32	2.17	3.46	1.29	1.92
31	1.48	---	1.70	1.79	---	1.79	---	1.66	---	1.77	1.22	---
MEAN	1.51	1.96	1.87	1.89	2.21	---	1.66	---	1.63	1.67	1.54	2.58
MAX	2.07	7.70	2.95	4.31	3.42	---	2.84	---	4.87	4.03	4.89	9.19
MIN	1.39	1.46	1.63	1.61	1.75	---	1.50	---	1.20	1.14	1.22	1.23

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

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
 LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00* DATUM 909.71 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	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.92	0.00	0.64
2	0.00	0.00	0.00	0.00	0.89	---	0.00	0.47	0.00	0.07	0.00	0.02
3	0.00	0.00	0.02	0.00	0.04	---	0.00	0.00	0.00	0.02	0.00	0.00
4	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
5	0.00	1.33	0.00	0.44	0.04	0.00	0.00	0.00	0.00	0.05	1.83	0.00
6	0.00	0.04	0.00	0.00	0.89	0.33	0.00	0.00	0.00	0.01	0.00	0.08
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	4.05
8	0.08	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.07
9	0.00	0.00	0.00	0.23	0.00	0.05	0.00	0.00	---	0.00	0.00	0.00
10	0.01	0.00	0.88	0.02	0.01	0.00	0.00	0.00	---	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.13	0.00	0.23	0.07	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.79	0.00	0.61	---	0.06	0.26	3.17	0.00
13	0.00	0.00	0.45	0.00	0.00	0.00	0.46	---	0.35	0.00	0.00	0.00
14	0.03	0.00	0.23	0.00	0.34	0.00	0.00	---	0.27	1.36	0.00	0.00
15	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.52	0.00	0.00	0.00
16	0.00	0.00	0.10	0.00	0.00	0.16	0.00	0.04	0.03	0.00	0.00	4.08
17	0.02	0.45	0.13	0.18	0.00	0.00	0.00	0.03	0.03	0.22	0.00	0.07
18	0.00	1.38	0.01	0.15	0.00	0.00	0.00	---	0.21	0.00	0.00	0.00
19	0.00	1.31	0.00	0.00	0.00	0.00	0.00	---	0.02	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.30	0.00
21	0.00	0.00	0.00	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.01	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.00
23	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
24	0.00	0.25	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	1.94	0.12	0.00	0.00	0.00	0.03	0.30	0.00	0.00
26	1.16	0.00	0.00	0.03	0.08	0.00	0.51	0.00	0.00	0.20	0.00	0.00
27	0.02	0.67	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.08	0.00	2.90
28	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.01	---	0.01	0.00	0.02
29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.02	---	0.07	0.86	0.00
30	0.00	0.00	0.15	0.00	---	0.67	0.00	0.00	1.01	0.03	0.00	0.00
31	0.00	---	0.00	0.00	---	0.05	---	0.42	---	0.00	0.00	---
TOTAL	1.32	5.54	3.05	3.03	4.38	---	1.81	---	---	3.69	6.17	11.93