



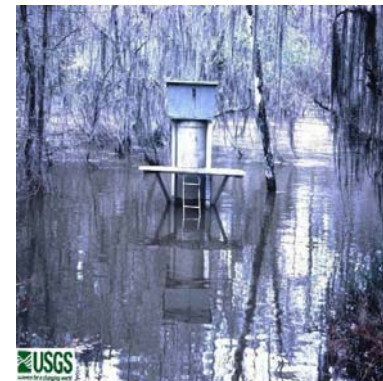
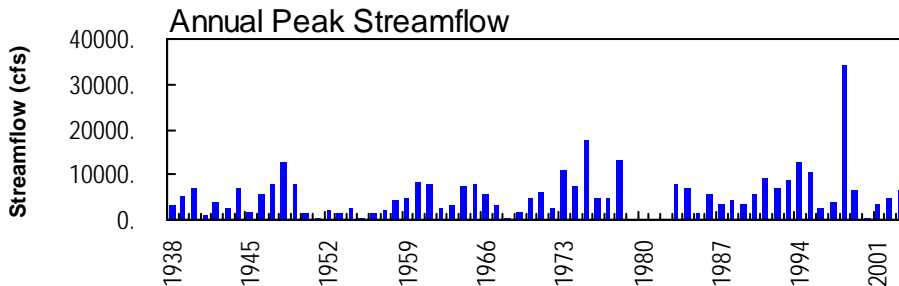
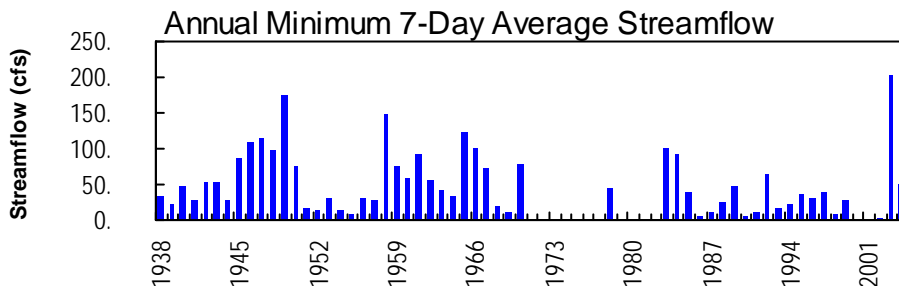
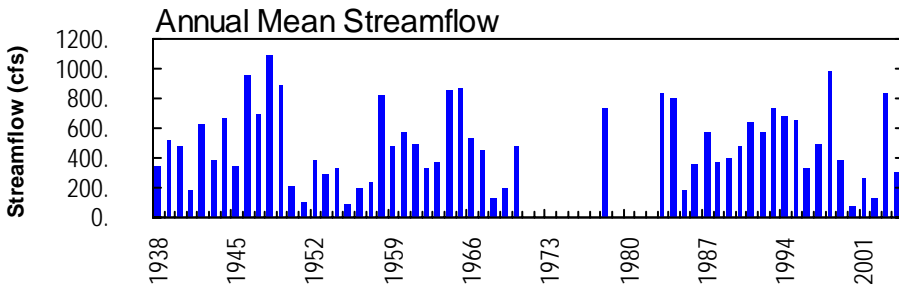
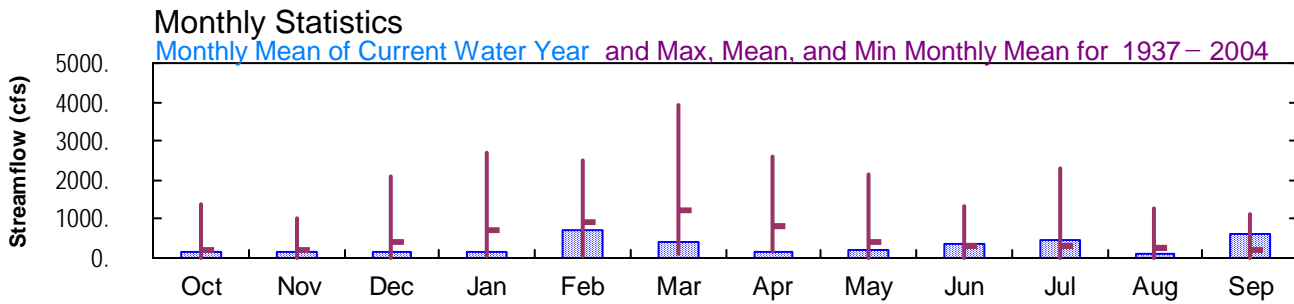
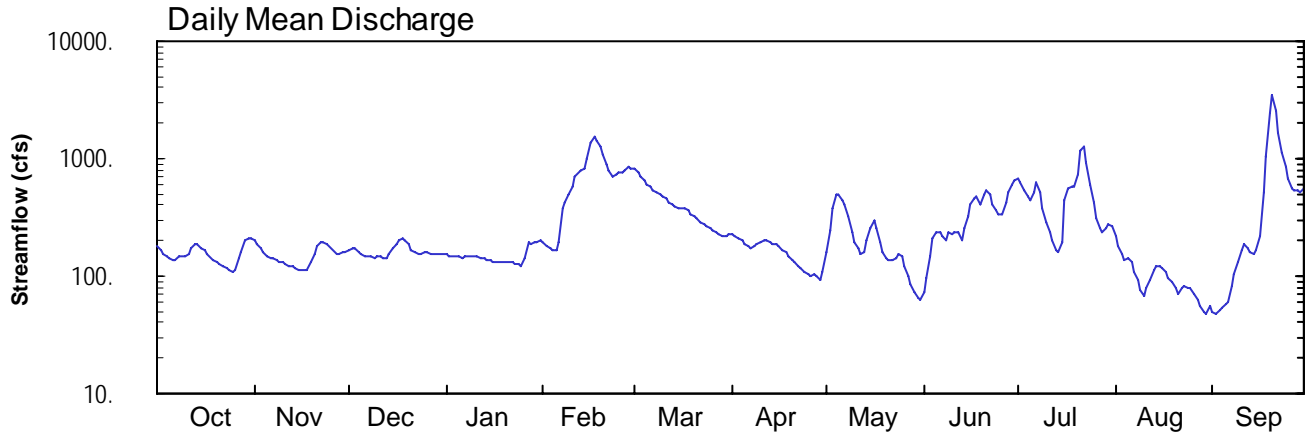
2004 Water Year  
APALACHICOLA RIVER BASIN

02357000 SPRING CREEK NEAR IRON CITY, GA

Latitude: 31°02'25"  
Decatur County

Longitude: 084°44'24"  
Datum: 85.70 feet

Hydrologic Unit Code: 03130010  
Drainage Area: 485. mi<sup>2</sup>



02357000 - Spring Creek near Iron City, GA - February 28, 1965

**APALACHICOLA RIVER BASIN**  
**2004 Water Year**

**02357000 SPRING CREEK NEAR IRON CITY, GA**

**LOCATION.**—Lat 31°02'23", long 84°44'18" referenced to North American Datum (NAD) of 1927, Decatur County, Hydrologic Unit 03130010, on right bank 25.0 feet downstream from county bridge, 1.5 miles downstream from Aycock Creek, 1.5 miles upstream from Dry Creek, 5.0 miles north of Brinson, and 5.5 miles northeast of Iron City.

**DRAINAGE AREA.**—485 square miles, approximately.

**COOPERATION.**—Georgia Geologic Survey.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**—November 1920 to June 1921, June 1937 to April 1971, water years 1972-76 (annual maximum), December 1976 to September 1978, June 1982 to current year. Monthly discharge only for November 1920 to June 1921, published in WSP 1304.

**REVISED RECORDS.**—WDR GA-91-1: 1983-84.

**GAGE.**—Satellite telemetry with a water-stage recorder. Datum of gage is 85.7 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 21, 1920 to June 30, 1921, a non-recording gage was located at site 125 feet upstream at different datum. From June 11, 1937 to October 17, 1952, a non-recording gage was located at site 125 feet upstream at present datum. From October 18, 1952 to April 1971, a recording gage was located at same site and datum as present. From May 1971 to December 1976, a non-recording gage was located at same site and datum as present.

**REMARKS.**—Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

**PEAK DISCHARGES FOR CURRENT YEAR.**—Peak discharges above base of 2,000 cfs and maximum (\*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
09/20	0830	3,610*	14.03*
No other peaks above base discharge			

**APALACHICOLA RIVER BASIN  
2004 Water Year**

**02357000 SPRING CREEK NEAR IRON CITY, GA—continued.**

**WATER-STAGE RECORDS**

**PERIOD OF RECORD.**—November 1920 to June 1921, June 1937 to April 1971, water years 1972-76 (annual maximum), December 1976 to September 1978, June 1982 to current year. Monthly discharge only for November 1920 to June 1921, published in WSP 1304.

**GAGE.**—Satellite telemetry with a water-stage recorder. Datum of gage is 85.7 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 21, 1920 to June 30, 1921, a non-recording gage was located at site 125 feet upstream at different datum. From June 11, 1937 to October 17, 1952, a non-recording gage was located at site 125 feet upstream at present datum. From October 18, 1952 to April 1971, a recording gage was located at same site and datum as present. From May 1971 to December 1976, a non-recording gage was located at same site and datum as present.

**REMARKS.**—Records good.

**EXTREMES FOR CURRENT YEAR.**—Maximum gage-height recorded, 14.03 feet, September 20; minimum gage-height recorded, 1.82 feet, August 30.

**PRECIPITATION RECORDS**

**PERIOD OF RECORD.**—July 1, 2002 to current year.

**GAGE.**—Tipping-bucket raingage.

**REMARKS.**—Records good.

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

STATION NUMBER 02357000 SPRING CREEK NEAR IRON CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087  
 LATITUDE 310225 LONGITUDE 0844424 NAD83 DRAINAGE AREA 485.00\* CONTRIBUTING DRAINAGE AREA DATUM 85.70 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	179	199	168	151	196	821	224	162	73	676	220	49
2	165	185	172	150	183	774	216	245	97	622	182	48
3	155	170	171	149	174	704	208	371	145	542	155	51
4	147	158	163	147	168	643	199	501	208	471	136	53
5	142	150	155	145	165	604	189	492	240	444	142	58
6	138	144	150	145	195	574	180	445	240	520	130	61
7	135	140	148	146	383	545	174	414	221	616	109	81
8	147	137	145	148	425	522	178	316	202	518	91	102
9	148	133	143	147	503	499	186	239	237	380	76	132
10	146	129	145	148	588	475	192	197	223	291	68	164
11	154	127	146	146	700	453	200	170	233	235	79	186
12	174	124	141	143	763	431	201	154	233	199	94	174
13	184	120	141	141	799	412	195	158	202	169	111	161
14	184	116	156	139	829	396	189	205	255	161	121	152
15	176	114	173	136	1010	382	184	256	326	192	122	168
16	164	113	190	133	1370	376	177	299	414	440	116	215
17	153	111	202	131	1540	373	169	254	453	550	106	508
18	143	111	206	134	1440	357	158	191	474	578	97	1040
19	136	131	200	133	1280	339	147	160	410	580	89	2490
20	130	155	184	132	1080	321	138	143	489	722	80	3470
21	126	180	169	130	903	306	131	135	540	1180	71	2580
22	121	193	160	129	788	288	123	136	498	1250	79	1640
23	118	195	155	127	712	274	117	142	406	908	83	1110
24	113	189	155	124	725	263	109	151	369	609	79	844
25	109	177	157	122	757	254	103	146	335	417	78	679
26	112	165	157	145	771	243	100	124	333	307	70	562
27	141	156	157	196	803	235	102	101	429	254	62	533
28	158	154	156	188	846	226	100	85	511	238	55	528
29	199	161	154	191	834	220	93	74	610	258	50	517
30	210	163	153	195	---	221	108	66	663	274	48	550
31	211	---	151	203	---	230	---	64	---	265	56	---
TOTAL	4718	4500	5023	4594	20930	12761	4790	6596	10069	14866	3055	18906
MEAN	152	150	162	148	722	412	160	213	336	480	98.5	630
MAX	211	199	206	203	1540	821	224	501	663	1250	220	3470
MIN	109	111	141	122	165	220	93	64	73	161	48	48
CFSM	0.31	0.31	0.33	0.31	1.49	0.85	0.33	0.44	0.69	0.99	0.20	1.30
IN.	0.36	0.35	0.39	0.35	1.61	0.98	0.37	0.51	0.77	1.14	0.23	1.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2004, BY WATER YEAR (WY)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
MEAN	220	197	400	703	908	1242	834	394	289	301	260	211
MAX	1377	1042	2101	2689	2515	3909	2577	2165	1325	2310	1291	1133
(WY)	1999	1948	1949	1993	1983	1998	1944	1946	1989	1994	1939	1937
MIN	1.06	7.21	15.9	35.1	64.6	78.6	160	25.2	1.80	0.80	0.13	0.08
(WY)	2001	2002	2002	2002	2002	1955	2004	2000	2000	2000	2000	2000

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1937 - 2004

ANNUAL TOTAL	251596	110808	
ANNUAL MEAN	689	303	492
HIGHEST ANNUAL MEAN			1096
LOWEST ANNUAL MEAN			82.1
HIGHEST DAILY MEAN	6460	Apr 11	3470
LOWEST DAILY MEAN	109	Oct 25	48
ANNUAL SEVEN-DAY MINIMUM	116	Nov 12	51
MAXIMUM PEAK FLOW			3610
MAXIMUM PEAK STAGE			14.03
INSTANTANEOUS LOW FLOW			45
ANNUAL RUNOFF (CFSM)	1.42		0.624
ANNUAL RUNOFF (INCHES)	19.30		8.50
10 PERCENT EXCEEDS	1560	649	1180
50 PERCENT EXCEEDS	435	176	229
90 PERCENT EXCEEDS	148	102	43

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

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 LATITUDE 310225 LONGITUDE 0844424 NAD83 DRAINAGE AREA 485.00\* CONTRIBUTING DRAINAGE AREA DATUM 85.70 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	3.45	3.62	3.35	3.18	3.60	7.59	3.86	3.25	2.19	6.83	3.82	1.88
2	3.32	3.51	3.39	3.17	3.49	7.34	3.79	4.04	2.48	6.54	3.46	1.86
3	3.22	3.37	3.38	3.16	3.40	6.98	3.71	4.99	3.07	6.08	3.18	1.90
4	3.14	3.25	3.30	3.14	3.35	6.65	3.63	5.82	3.72	5.64	2.97	1.94
5	3.09	3.17	3.22	3.13	3.32	6.43	3.53	5.77	4.00	5.46	3.04	2.00
6	3.05	3.11	3.17	3.12	3.58	6.25	3.44	5.47	4.01	5.94	2.90	2.04
7	3.02	3.07	3.16	3.13	4.99	6.07	3.38	5.28	3.83	6.51	2.64	2.29
8	3.14	3.04	3.12	3.15	5.27	5.92	3.42	4.61	3.66	5.93	2.41	2.56
9	3.15	3.00	3.10	3.14	5.79	5.78	3.50	4.00	3.98	5.05	2.23	2.92
10	3.13	2.96	3.12	3.15	6.32	5.63	3.57	3.61	3.86	4.43	2.13	3.27
11	3.21	2.92	3.13	3.13	6.95	5.48	3.63	3.34	3.95	3.96	2.27	3.50
12	3.41	2.89	3.08	3.11	7.29	5.34	3.65	3.17	3.94	3.63	2.44	3.38
13	3.50	2.86	3.08	3.08	7.48	5.22	3.59	3.21	3.65	3.33	2.67	3.24
14	3.51	2.81	3.23	3.06	7.63	5.11	3.53	3.68	4.13	3.24	2.79	3.14
15	3.43	2.78	3.40	3.03	8.51	5.02	3.48	4.14	4.68	3.53	2.81	3.31
16	3.31	2.78	3.55	2.99	9.72	4.99	3.41	4.50	5.28	5.44	2.73	3.77
17	3.20	2.75	3.66	2.97	10.23	4.97	3.33	4.12	5.52	6.13	2.61	5.84
18	3.10	2.75	3.69	3.00	9.93	4.87	3.21	3.55	5.66	6.30	2.48	8.51
19	3.02	2.98	3.64	3.00	9.43	4.74	3.09	3.23	5.25	6.31	2.38	12.21
20	2.96	3.22	3.50	2.98	8.76	4.62	2.99	3.05	5.75	7.07	2.27	13.84
21	2.91	3.46	3.36	2.96	8.01	4.51	2.90	2.96	6.07	9.07	2.16	12.48
22	2.87	3.58	3.27	2.95	7.42	4.38	2.82	2.97	5.81	9.32	2.26	10.47
23	2.83	3.59	3.22	2.93	7.02	4.27	2.74	3.04	5.22	8.02	2.32	8.86
24	2.78	3.54	3.22	2.90	7.09	4.19	2.64	3.14	4.98	6.45	2.26	7.71
25	2.73	3.43	3.24	2.87	7.26	4.11	2.56	3.08	4.75	5.29	2.25	6.84
26	2.76	3.32	3.24	3.11	7.33	4.02	2.53	2.82	4.73	4.55	2.15	6.20
27	3.08	3.23	3.24	3.60	7.50	3.95	2.55	2.54	5.37	4.13	2.05	6.03
28	3.26	3.21	3.23	3.53	7.72	3.88	2.52	2.34	5.89	3.99	1.96	6.00
29	3.63	3.28	3.22	3.55	7.66	3.83	2.44	2.20	6.48	4.16	1.89	5.93
30	3.72	3.30	3.20	3.59	---	3.83	2.63	2.10	6.76	4.30	1.85	6.13
31	3.73	---	3.19	3.66	---	3.92	---	2.07	---	4.22	1.98	---
MEAN	3.18	3.16	3.29	3.14	6.76	5.16	3.20	3.62	4.62	5.51	2.50	5.33
MAX	3.73	3.62	3.69	3.66	10.23	7.59	3.86	5.82	6.76	9.32	3.82	13.84
MIN	2.73	2.75	3.08	2.87	3.32	3.83	2.44	2.07	2.19	3.24	1.85	1.86

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 LATITUDE 310225 LONGITUDE 0844424 NAD83 DRAINAGE AREA 485.00\* CONTRIBUTING DRAINAGE AREA DATUM 85.70 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	0.37	0.00	0.00	0.02	0.82	0.04	0.00	0.00
2	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.02	0.53	0.10	0.00	0.00
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.23	0.05	0.00	0.00
4	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
5	0.00	0.02	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
6	0.00	0.00	0.00	0.00	2.31	0.02	0.00	0.00	0.02	0.03	0.00	1.54
7	0.08	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.10
8	0.00	0.00	0.00	0.05	0.00	0.00	0.90	0.00	1.10	0.04	0.00	0.02
9	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.08	0.00	0.47	0.00	0.19	0.00	0.00	0.00	0.08	0.00	0.43	0.18
11	0.88	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.02	0.24
12	0.31	0.00	0.00	0.00	1.30	0.00	0.15	0.01	0.00	0.00	0.74	0.00
13	0.00	0.00	0.39	0.00	0.13	0.00	0.22	0.00	0.53	0.00	0.00	0.12
14	0.00	0.00	0.41	0.00	1.08	0.00	0.00	0.00	0.23	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.75	2.35	0.00	0.08
16	0.00	0.00	0.08	0.00	0.00	0.22	0.00	0.09	0.05	0.32	0.02	2.72
17	0.00	0.00	0.18	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.85	0.00	0.15	0.00	0.00	0.00	0.26	0.00	0.40	0.00	0.00
19	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.40	0.10	0.01	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.15	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.19	0.00
23	0.00	0.00	0.38	0.00	0.80	0.00	0.00	0.00	0.02	0.00	0.01	0.00
24	0.00	0.35	0.01	0.00	0.40	0.00	0.00	0.00	0.30	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.97	0.00	0.00	0.00
26	1.22	0.00	0.00	3.79	0.04	0.00	0.30	0.00	0.82	0.00	0.00	0.20
27	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.77	0.00	1.31
28	1.15	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.00
29	0.00	0.00	0.04	0.00	0.00	0.00	0.23	0.00	0.00	0.06	0.00	0.00
30	0.00	0.00	0.23	0.01	---	0.60	2.65	0.00	0.00	0.00	1.97	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.99	---	0.00	0.23	---
TOTAL	3.81	2.54	2.20	4.49	7.28	0.84	4.52	2.26	6.94	4.18	3.82	6.63