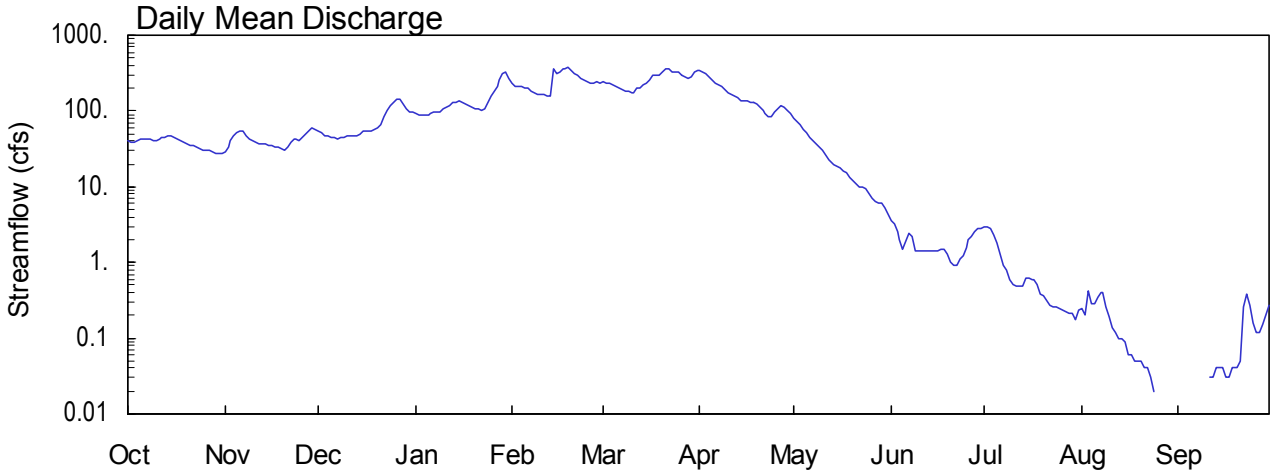
APALACHICOLA RIVER BASIN

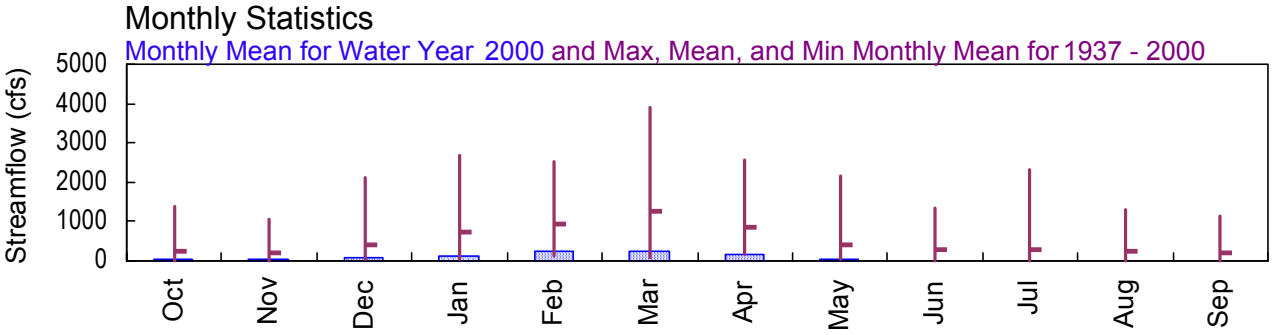
2000 Water Year

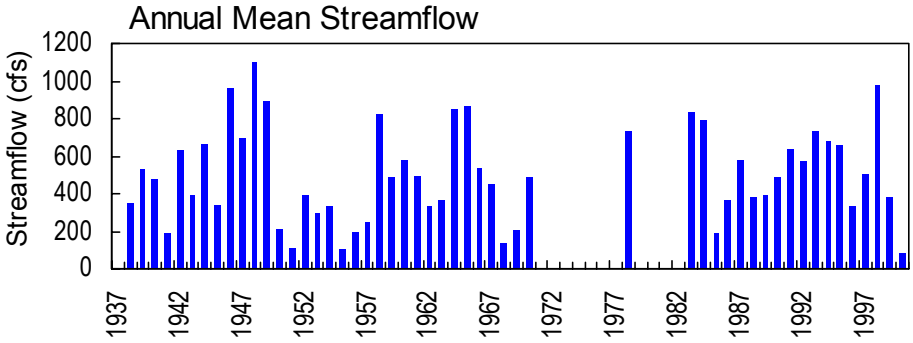
02357000 SPRING CREEK NEAR IRON CITY, GA

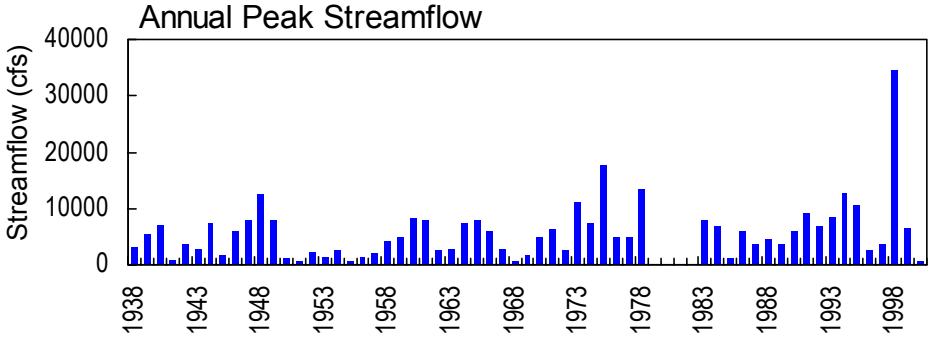
Latitude: 31°02'23" Longitude: 84°44'18" Hydrologic Unit Code: 03130010 Decatur County

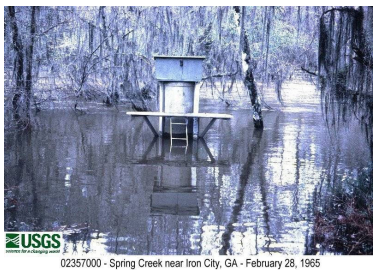
Drainage Area: 485 mi^2 Datum: 85.7 feet Period of Record: 1937 - 2000











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

APALACHICOLA RIVER BASIN
2000 Water Year

02357000 SPRING CREEK NEAR IRON CITY, GA

LOCATION.--Lat 31°02'23", long 84°44'18", 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 mi^2, approximately.

WATER-DISCHARGE RECORD

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.—Phone telemetry with a water-stage recorder. Datum of gage is 85.7 feet above sea level. From Oct. 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 Oct. 17, 1952, a non-recording gage was located at site 125 feet upstream at present datum. From Oct. 18, 1952 to April 1971, a recording gage was located at same site and datum as present. From May 1971 to Dec. 1976, a non-recording gage was located at same site and datum as present.

REMARKS.--Records good, except for the periods of estimated discharge, which are fair. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft^3/s and maximum (*):

DATE	TIME	DISCHARGE (ft^3/s)	GAGE HEIGHT (ft)
Feb. 14	0830	426*	5.24*

No other peaks greater than base discharge

STATION NUMBER 02357000 SPRING CREEK NEAR IRON CITY, GA STREAM SOURCE AGENCY USGS
LATITUDE 310223 LONGITUDE 0844418 DRAINAGE AREA 485.00 DATUM 85.70 STATE 13 COUNTY 087

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	29	55	91	232	239	342	81	e3.6	e3.0	.25	e.00
2	39	34	51	89	213	236	327	73	e3.2	e3.0	.20	.00
3	39	40	47	90	208	231	305	65	e2.6	e2.8	.43	.00
4	40	47	46	90	211	223	283	58	e2.0	e2.3	.28	.00
5	43	52	44	89	205	213	256	51	e1.5	e1.8	.28	.00
6	43	55	44	94	197	202	234	45	e1.9	e1.3	.35	.00
7	42	53	43	99	187	193	220	41	e2.4	e.90	.41	.00
8	42	47	44	99	177	185	208	37	e2.2	e.80	.40	e.00
9	40	43	45	98	169	179	188	34	e1.4	.60	.26	e.00
10	41	40	46	105	163	173	174	30	e1.4	.50	.19	e.00
11	43	38	46	113	162	171	164	26	e1.4	.48	.14	.03
12	44	37	46	120	159	202	156	23	e1.4	.49	.12	.03
13	45	36	47	130	157	205	148	21	e1.4	.48	.10	.04
14	46	36	49	132	363	221	139	20	e1.4	.61	.10	.04
15	46	35	53	134	317	237	136	19	e1.4	.61	.09	.04
16	44	35	55	132	324	262	135	18	e1.4	.60	.06	.03
17	42	34	54	125	355	302	132	16	e1.5	.60	.06	.03
18	40	33	55	118	366	295	128	15	e1.5	.50	.05	.04
19	38	32	58	112	373	303	123	13	e1.3	.39	.05	.04
20	36	31	60	109	350	329	114	12	e1.0	.36	.05	.04
21	35	34	67	106	315	358	104	11	e.90	.32	.04	.05
22	35	38	85	103	292	354	93	10	e.90	.27	.04	.26
23	34	42	100	107	271	327	84	9.7	e1.1	.26	.03	.39
24	32	42	117	129	257	334	84	9.4	e1.2	.26	.02	.27
25	31	41	129	158	246	331	97	8.3	e1.6	.25	e.00	.16
26	31	e45	141	181	236	304	108	7.1	e2.0	.23	e.00	.12
27	30	e49	142	210	234	281	119	6.5	e2.2	.22	e.00	.12
28	29	e55	124	257	240	273	113	6.2	e2.6	.21	e.00	.15
29	28	e60	107	314	237	283	104	6.1	e2.8	.21	e.00	.20
30	27	e58	98	321	---	321	92	e5.2	e2.8	.18	e.00	.27
31	27	---	95	275	---	344	---	e4.3	---	.24	e.00	---
TOTAL	1172	1251	2193	4330	7216	8111	4910	781.8	54.00	24.77	4.00	2.35
MEAN	37.8	41.7	70.7	140	249	262	164	25.2	1.80	.80	.13	.078
MAX	46	60	142	321	373	358	342	81	3.6	3.0	.43	.39
MIN	27	29	43	89	157	171	84	4.3	.90	.18	.00	.00
CFSM	.08	.09	.15	.29	.51	.54	.34	.05	.00	.00	.00	.00
IN.	.09	.10	.17	.33	.55	.62	.38	.06	.00	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

MEAN	225	190	413	736	947	1255	840	407	291	303	259	193
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	10.8	14.0	24.0	42.8	108	78.6	164	25.2	1.80	.80	.13	.078
(WY)	1955	1955	1955	1955	1951	1955	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	82943		30049.92			
ANNUAL MEAN	227		82.1		501	
HIGHEST ANNUAL MEAN					1096	1948
LOWEST ANNUAL MEAN					82.1	2000
HIGHEST DAILY MEAN	1580	Jan 27	373	Feb 19	32000	Mar 10 1998
LOWEST DAILY MEAN	22	Jun 24	.00	Aug 25	.00	Aug 25 2000
ANNUAL SEVEN-DAY MINIMUM	29	Jun 9	.00	Aug 25	.00	Aug 25 2000
MAXIMUM PEAK FLOW			426	Feb 14	34500	Mar 10 1998
MAXIMUM PEAK STAGE			5.24	Feb 14	24.40	Mar 10 1998
INSTANTANEOUS LOW FLOW			.00	Aug 25	.00	Aug 25 2000
ANNUAL RUNOFF (CFSM)	.47		.17		1.03	
ANNUAL RUNOFF (INCHES)	6.36		2.30		14.03	
10 PERCENT EXCEEDS	570		249		1210	
50 PERCENT EXCEEDS	93		41		237	
90 PERCENT EXCEEDS	35		.06		47	

STATISTICS COMPUTED BY: landers DATE: 10/29/2001 AT: 09:47:45

e Estimated