

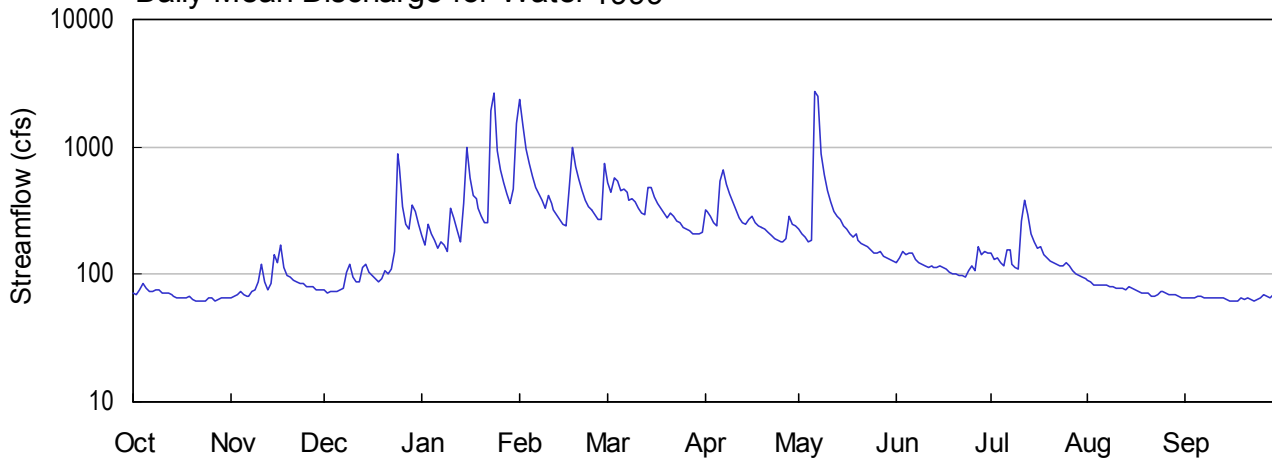
MOBILE RIVER BASIN

02398000

CHATTOOGA RIVER AT SUMMERVILLE, GA

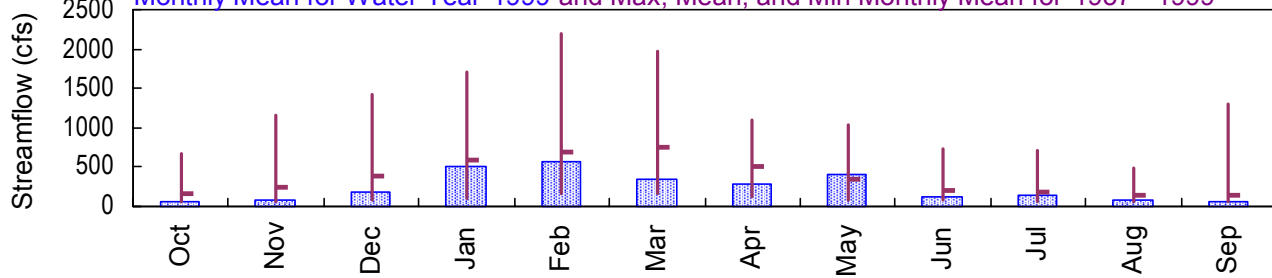
Latitude: 34° 28' 03" Longitude: 85° 20' 19" Hydrologic Unit Code: 03150105 Chattooga County
 Drainage Area: 192.00 mi² Datum: 613.4 feet Period of Record: 1937 - 1999

Daily Mean Discharge for Water 1999

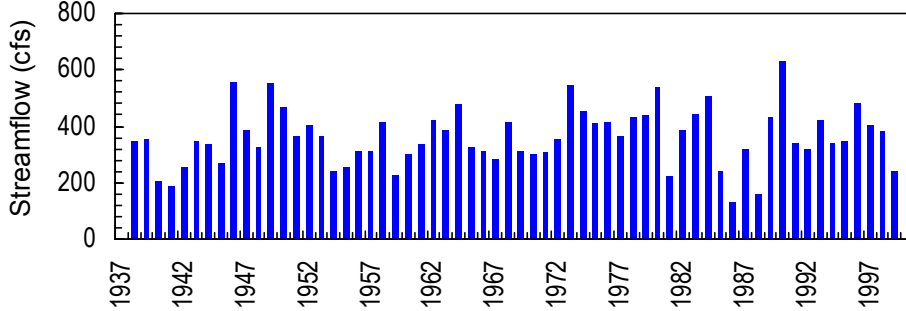


Monthly Statistics

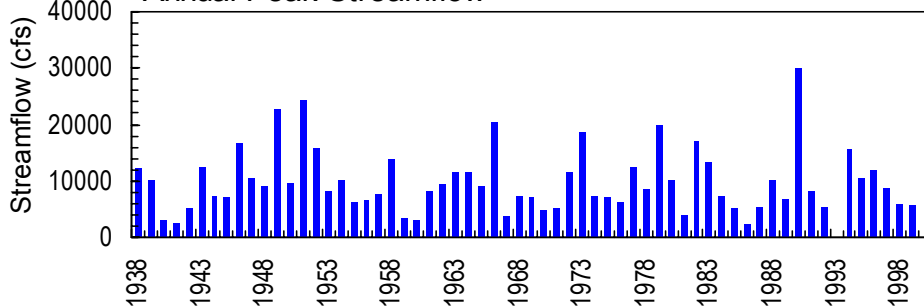
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1937 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



USGS
02398000 Chattooga River at Summerville, GA, March 14, 1973

**MOBILE RIVER BASIN
1999 Water Year**

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA

LOCATION.--Lat 34°28'03", long 85°20'19", Chattooga County, Hydrologic Unit 03150105, on left bank 600 feet downstream from bridge on U.S. Highway 27, 1.0 mile southeast of Summerville, and 4.0 miles upstream from Raccoon Creek.

DRAINAGE AREA.--192 mi².

PERIOD OF RECORD.--March 1937 to current year.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 613.47 feet above sea level (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, non-recording gage was located at same site and datum.

REMARKS.--Records good, except those for periods of estimated daily discharge, which are fair. Low and medium flow had previously been regulated by a power plant at Trion, 6 mi upstream from the station, but is now no longer in operation.

PEAKS DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

DATE	TIME	DISCHARGE (ft ³ /s)	GAGE HEIGHT (ft)
Jan. 24	0230	4,640	13.85
May 6	2400	5,670*	14,74*

STATION NUMBER 02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA STREAM SOURCE AGENCY USGS
 LATITUDE 342803 LONGITUDE 0852019 DRAINAGE AREA 192.00 DATUM 613.47 STATE 13 COUNTY 055
 PROVISIONAL DATA SUBJECT TO REVISION
 DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	65	75	e200	2390	532	321	225	123	145	91	65
2	70	67	72	e170	1500	438	310	210	135	131	88	65
3	76	69	73	e250	976	575	285	194	152	134	83	65
4	85	74	73	e210	741	534	258	181	142	124	82	66
5	78	70	73	e185	582	453	239	184	146	116	82	68
6	74	68	75	e160	487	465	544	2740	145	155	82	67
7	74	67	77	e180	433	443	662	2500	132	156	82	66
8	75	73	105	e170	380	384	504	881	124	119	79	65
9	75	76	120	e150	330	391	434	599	120	112	79	65
10	72	88	95	e330	416	372	369	458	116	111	77	65
11	72	121	88	e280	355	329	321	368	114	264	77	65
12	71	87	88	e220	319	302	281	309	115	382	77	65
13	70	75	113	181	292	292	258	283	112	294	76	65
14	67	84	121	365	269	479	244	267	114	210	80	64
15	66	143	105	991	250	482	270	242	118	179	77	62
16	66	122	97	566	241	407	283	226	113	161	75	62
17	66	171	92	414	474	364	251	208	110	163	73	61
18	66	114	87	394	1000	331	242	196	105	141	72	62
19	67	99	93	333	706	302	233	210	102	133	71	65
20	63	95	106	282	554	280	227	187	101	127	71	64
21	61	90	101	255	456	303	216	174	98	124	68	65
22	62	88	111	258	382	288	202	168	98	121	68	63
23	61	85	151	1940	337	264	189	164	96	118	69	62
24	62	84	885	2670	318	256	184	154	106	116	73	63
25	65	81	692	932	292	236	178	147	115	123	73	66
26	65	81	339	663	271	225	178	149	108	115	72	69
27	62	81	245	517	268	218	193	150	164	106	70	67
28	63	76	227	427	752	210	287	138	141	102	69	65
29	66	75	352	362	---	208	245	134	152	97	70	69
30	65	75	313	467	---	207	238	131	147	95	68	65
31	65	---	e250	1550	---	214	---	126	---	93	65	---

TOTAL	2122	2644	5494	16072	15771	10784	8646	12303	3664	4567	2339	1946
MEAN	68.5	88.1	177	518	563	348	288	397	122	147	75.5	64.9
MAX	85	171	885	2670	2390	575	662	2740	164	382	91	69
MIN	61	65	72	150	241	207	178	126	96	93	65	61
CFSM	.36	.46	.92	2.70	2.93	1.81	1.50	2.07	.64	.77	.39	.34
IN.	.41	.51	1.06	3.11	3.06	2.09	1.68	2.38	.71	.88	.45	.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1999, BY WATER YEAR (WY)

MEAN	153	241	383	588	699	747	513	336	197	190	138	151
MAX	679	1150	1420	1709	2187	1970	1103	1029	738	709	497	1309
(WY)	1990	1949	1968	1947	1990	1980	1979	1984	1989	1989	1984	1950
MIN	59.2	61.2	73.4	106	157	166	129	90.6	71.2	65.0	68.4	63.2
(WY)	1955	1988	1988	1981	1941	1988	1986	1986	1988	1986	1986	1954

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1937 - 1999

ANNUAL TOTAL	130435	86352	
ANNUAL MEAN	357	237	360
HIGHEST ANNUAL MEAN			628 1990
LOWEST ANNUAL MEAN			133 1986
HIGHEST DAILY MEAN	4540 Jan 8	2740 May 6	19600 Feb 16 1990
LOWEST DAILY MEAN	61 Oct 21	61 Oct 21	38 Oct 17 1937
ANNUAL SEVEN-DAY MINIMUM	63 Oct 21	63 Oct 21	54 Jul 31 1986
INSTANTANEOUS PEAK FLOW		5670 May 6	30100 Feb 16 1990
INSTANTANEOUS PEAK STAGE		14.74 May 6	22.63 Feb 16 1990
ANNUAL RUNOFF (CFSM)	1.86	1.23	1.87
ANNUAL RUNOFF (INCHES)	25.27	16.73	25.47
10 PERCENT EXCEEDS	749	457	708
50 PERCENT EXCEEDS	136	132	180
90 PERCENT EXCEEDS	74	66	83

STATISTICS COMPUTED BY: gabailey

DATE: 06/29/2000 AT: 13:56:02

e Estimated