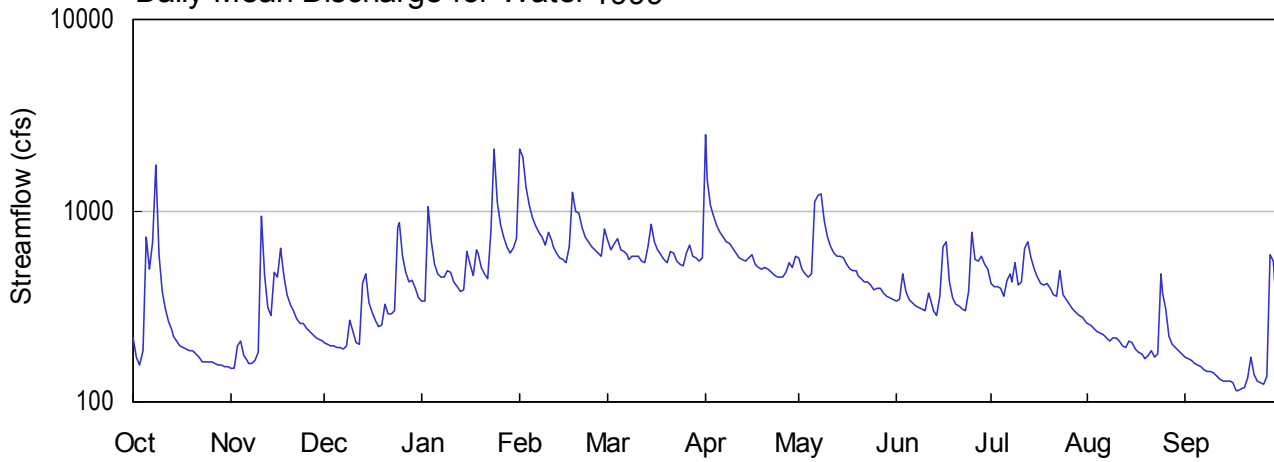


SAVANNAH RIVER BASIN
 CHATTOOGA RIVER NEAR CLAYTON, GA.

02177000

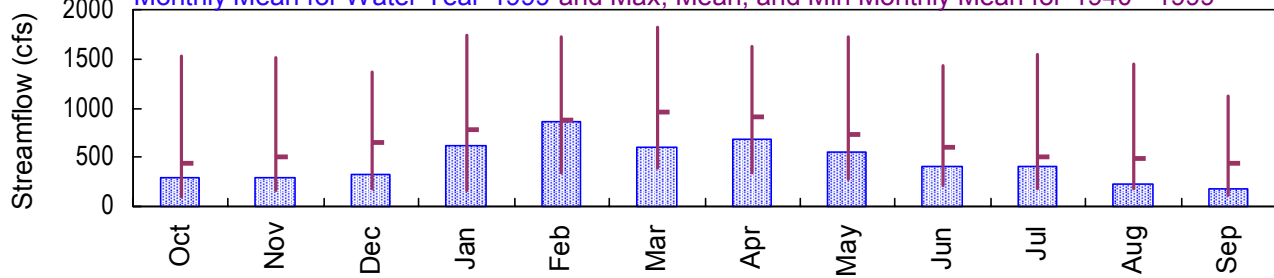
Latitude: 34° 48' 50" Longitude: 83° 18' 22" Hydrologic Unit Code: 03060102 Columbia County
 Drainage Area: 207.00 mi² Datum: 1165. feet Period of Record: 1940 - 1999

Daily Mean Discharge for Water 1999

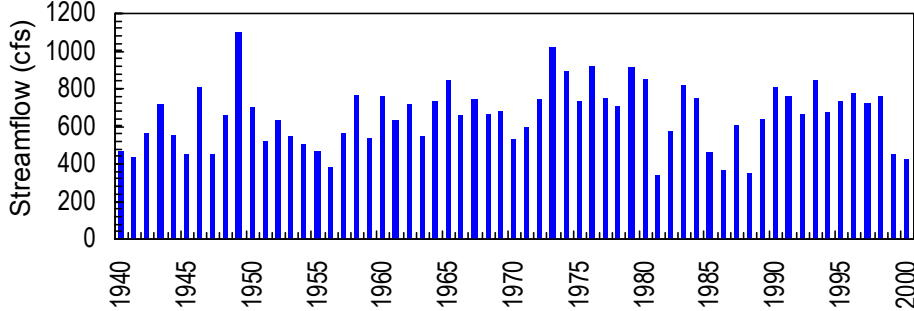


Monthly Statistics

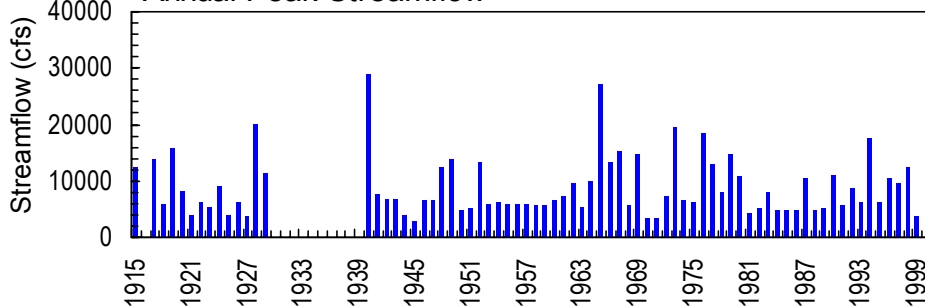
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1940 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



USGS science for a changing world. 02177000 - Chattooga River near Clayton, GA

SAVANNAH RIVER BASIN
1999 Water Year

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C.-Rabun County, Ga., Hydrologic Unit 03060102, on left bank 150 feet downstream from bridge on U.S. Highway 76, 2.8 miles upstream from Stekoa Creek, 7 miles southeast of Clayton, 9 miles downstream from Warwoman Creek, and 9 miles upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 mi².

PERIOD OF RECORD.--May 1907 to June 1908, October 1939 to current year. Monthly discharge only for May 1907 to June 1908, published in WSP 1303.

REVISED RECORDS.--WSP 1383: 1940-41, drainage area.

GAGE.—Satellite transmitter. Datum of gage is 1,165.6 feet above sea level. May 1907 to June 1908, non-recording gage located at site 400 feet upstream at different datum.

REMARKS.--Records good. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,400 ft³/s and maximum (*):

DATE	TIME	DISCHARGE (ft ³ /s)	GAGE HEIGHT (ft)
Apr. 1	0900	3,760*	4.19*

STATION NUMBER 02177000 CHATTOOGA RIVER NEAR CLAYTON, GA. STREAM SOURCE AGENCY USGS
 LATITUDE 344850 LONGITUDE 0831822 DRAINAGE AREA 207 DATUM 1165.6 STATE 45 COUNTY 073

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	217	151	203	334	2090	698	2510	568	335	419	256	171
2	173	151	201	339	1900	619	1460	496	341	397	252	168
3	157	197	196	1050	1310	668	1080	467	466	403	242	164
4	185	207	195	689	1070	707	929	450	378	392	233	160
5	727	174	191	527	917	625	830	465	342	356	228	156
6	497	165	191	464	833	610	773	1110	332	430	223	153
7	692	159	190	450	778	586	723	1210	318	470	217	147
8	1740	159	197	448	726	553	689	1230	311	422	209	145
9	584	164	269	485	667	580	674	888	304	539	215	143
10	378	182	235	477	771	576	635	727	301	410	215	142
11	303	939	204	422	697	575	604	646	370	426	206	137
12	263	455	201	397	652	550	571	601	326	641	198	131
13	238	310	414	379	602	532	554	576	301	685	192	129
14	222	282	468	387	571	647	545	578	284	563	208	129
15	207	475	330	613	554	855	566	562	356	499	204	129
16	197	450	292	520	538	691	585	522	650	451	189	125
17	193	637	267	458	648	624	523	498	686	418	183	115
18	188	454	247	618	1260	586	506	484	421	407	177	114
19	186	367	252	598	981	558	494	481	353	413	169	117
20	184	327	324	509	976	535	503	456	326	390	174	120
21	178	298	291	470	821	610	492	440	316	365	184	134
22	170	270	291	444	733	602	474	428	306	360	173	171
23	163	256	300	771	681	541	461	421	300	481	179	140
24	163	258	820	2080	650	522	452	408	375	362	466	128
25	163	244	866	1110	620	516	449	389	774	341	368	125
26	163	232	580	846	596	599	451	392	559	324	303	123
27	160	223	476	723	575	662	476	396	540	304	219	136
28	157	215	425	654	805	580	534	372	580	294	201	585
29	155	210	429	599	---	561	504	360	522	281	192	548
30	153	207	391	638	---	542	573	350	497	276	186	306
31	152	---	353	718	---	564	---	341	---	264	177	---

TOTAL	9308	8818	10289	19217	24022	18674	20620	17312	12270	12783	6838	5191
MEAN	300	294	332	620	858	602	687	558	409	412	221	173
MAX	1740	939	866	2080	2090	855	2510	1230	774	685	466	585
MIN	152	151	190	334	538	516	449	341	284	264	169	114
CFSM	1.45	1.42	1.60	2.99	4.14	2.91	3.32	2.70	1.98	1.99	1.07	.84
IN.	1.67	1.58	1.85	3.45	4.32	3.36	3.71	3.11	2.21	2.30	1.23	.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1999, BY WATER YEAR (WY)

MEAN	442	506	654	786	885	959	904	730	605	512	489	431
MAX	1524	1509	1358	1747	1728	1829	1633	1725	1439	1542	1453	1118
(WY)	1965	1980	1962	1946	1990	1979	1964	1976	1976	1949	1940	1949
MIN	98.6	155	183	155	347	387	349	284	210	180	172	118
(WY)	1955	1955	1956	1956	1941	1988	1986	1941	1988	1986	1986	1954

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1940 - 1999

ANNUAL TOTAL		266303		165342								
ANNUAL MEAN		730		453						657		
HIGHEST ANNUAL MEAN										1098		1949
LOWEST ANNUAL MEAN										337		1981
HIGHEST DAILY MEAN		6920	Jan 8	2510	Apr 1				14800		Aug 30	1940
LOWEST DAILY MEAN		129	Sep 19	114	Sep 18				88		Oct 8	1954
ANNUAL SEVEN-DAY MINIMUM		132	Sep 14	121	Sep 14				90		Oct 7	1954
INSTANTANEOUS PEAK FLOW				3760	Apr 1				29000		Aug 30	1940
INSTANTANEOUS PEAK STAGE				4.19	Apr 1				13.80		Aug 30	1940
INSTANTANEOUS LOW FLOW				112	Sep 17				88		Oct 8	1954
ANNUAL RUNOFF (CFSM)		3.52		2.19					3.18			
ANNUAL RUNOFF (INCHES)		47.86		29.71					43.15			
10 PERCENT EXCEEDS		1490		727					1170			
50 PERCENT EXCEEDS		475		414					534			
90 PERCENT EXCEEDS		167		163					232			

STATISTICS COMPUTED BY: gabailey

DATE: 03/13/2000 AT: 09:54:12