

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA

LOCATION.--Lat 34°48'50'', long 83°18'22'', Oconee County, SC-Rabun County, GA, Hydrologic Unit 03060102, on left bank, 150 ft downstream from bridge on U.S. Highway 76, 2.8 mi upstream from Stekoa Creek, 7 mi southeast of Clayton, 9 mi downstream from Warwoman Creek, and 9 mi 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 telemetry with a water stage recorder. Datum of gage is 1,165.6 ft above NGVD of 1929. May 1907 to June 1908, nonrecording gage at site 400 ft upstream at different datum.

REMARKS.--No estimated daily discharges. Records good.

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	533	396	809	657	509	563	475	420	438	699	820	418
2	517	387	743	638	527	574	450	555	367	764	979	761
3	500	378	699	628	1020	599	437	605	343	782	894	603
4	491	373	784	615	783	573	424	483	333	680	647	436
5	484	472	911	651	683	562	413	451	323	610	547	379
6	476	712	791	708	2230	594	406	431	317	532	504	345
7	468	712	738	624	2080	598	404	409	315	507	446	4540
8	480	540	699	608	1260	559	399	397	328	461	420	14000
9	533	481	674	606	1040	544	396	380	412	438	395	3480
10	499	448	1380	593	929	542	386	379	356	415	381	2110
11	505	434	1600	573	855	528	386	369	373	412	374	1600
12	512	422	1100	564	885	517	405	409	376	422	472	1340
13	484	405	948	556	853	507	1120	578	411	454	444	1150
14	472	383	1060	546	790	498	853	700	360	384	379	1030
15	476	379	970	539	793	499	609	513	1040	363	356	935
16	452	376	880	523	808	522	539	457	1190	343	342	1480
17	446	378	1040	517	743	508	502	599	719	342	354	18500
18	441	386	933	586	713	491	479	566	558	515	363	4270
19	432	4460	863	573	689	487	460	643	481	380	323	2860
20	420	1790	811	531	672	474	448	524	429	364	310	2320
21	411	1190	769	518	663	505	436	475	411	339	347	1990
22	403	969	747	509	633	469	423	446	858	324	318	1740
23	389	853	728	500	620	458	414	487	635	321	318	1570
24	379	891	853	491	617	455	408	474	562	308	392	1440
25	360	907	767	559	603	450	400	425	572	341	377	1350
26	454	783	717	646	593	447	476	398	810	318	323	1250
27	788	743	694	640	596	444	551	382	602	698	296	1310
28	527	1140	676	600	586	440	434	365	560	634	320	2530
29	458	1090	664	560	571	435	410	355	533	478	351	1540
30	424	890	747	544	---	485	406	429	622	1530	370	1300
31	407	---	694	527	---	522	---	486	---	1370	328	---
TOTAL	14621	23768	26489	17930	24344	15849	14349	14590	15634	16528	13490	78577
MEAN	472	792	854	578	839	511	478	471	521	533	435	2619
MAX	788	4460	1600	708	2230	599	1120	700	1190	1530	979	18500
MIN	360	373	664	491	509	435	386	355	315	308	296	345
CFSM	2.28	3.83	4.13	2.79	4.06	2.47	2.31	2.27	2.52	2.58	2.10	12.7
IN.	2.63	4.27	4.76	3.22	4.37	2.85	2.58	2.62	2.81	2.97	2.42	14.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	434	505	647	765	861	933	881	716	592	506	481	468																																																					
MAX	1524	1509	1358	1747	1728	1829	1633	1725	1439	1542	1453	2619																																																					
(WY)	1965	1980	1962	1946	1990	1979	1964	1976	1976	1949	1940	2004																																																					
MIN	98.6	155	183	155	347	387	349	261	210	180	169	118																																																					
(WY)	1955	1955	1956	1956	1941	1988	1986	2001	1988	1986	2002	1954																																																					

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	299868		276169		648	
ANNUAL MEAN	822		755		1098	
HIGHEST ANNUAL MEAN					1949	
LOWEST ANNUAL MEAN					298	
HIGHEST DAILY MEAN	4460	Nov 19	18500	Sep 17	18500	Sep 17 2004
LOWEST DAILY MEAN	360	Oct 25	296	Aug 27	88	Oct 8 1954
ANNUAL SEVEN-DAY MINIMUM	390	Nov 12	331	Jul 20	90	Oct 7 1954
MAXIMUM PEAK FLOW			33300		33300	
MAXIMUM PEAK STAGE			11.21		a 13.80	
INSTANTANEOUS LOW FLOW			293		88	
ANNUAL RUNOFF (CFSM)	3.97		3.65		3.13	
ANNUAL RUNOFF (INCHES)	53.89		49.63		42.53	
10 PERCENT EXCEEDS	1120		1090		1150	
50 PERCENT EXCEEDS	752		522		524	
90 PERCENT EXCEEDS	476		366		225	

a Maximum stage recorded 13.80 Aug 30, 1940.

