

SAVANNAH RIVER BASIN

521

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	560	1280	837	625	778	1160	770	576	1510	1140	1170
2	1080	559	1070	804	608	693	1500	670	1140	1260	1030	985
3	1010	823	913	783	839	656	1300	641	875	1260	960	903
4	949	1540	841	768	799	630	1090	618	765	1560	913	844
5	889	1200	775	748	698	614	973	608	680	1530	904	804
6	852	802	959	742	653	592	892	598	840	1230	860	760
7	829	698	1560	725	624	577	903	581	1050	2890	1250	733
8	790	642	1400	804	613	678	1200	568	998	2210	1590	714
9	768	598	1720	753	601	629	1080	566	2120	1580	1520	683
10	750	575	2180	712	582	591	947	584	1530	2940	1280	660
11	e745	577	1520	694	560	571	883	589	1660	3670	1130	643
12	e750	1390	1280	682	552	563	873	552	4600	5260	1000	626
13	e755	1250	1140	716	553	552	1100	548	5770	3060	1000	615
14	705	887	1040	1440	602	544	1080	538	2830	2460	1060	591
15	678	766	969	955	633	539	926	637	2100	3000	1050	569
16	659	710	920	842	575	590	858	589	1710	2260	1050	561
17	652	673	886	766	556	609	814	543	1490	1980	1170	573
18	652	640	861	723	537	574	777	526	1360	1760	1270	541
19	711	617	838	701	525	558	752	521	1440	1610	1570	528
20	677	615	788	693	537	547	728	1080	1230	1600	1120	521
21	624	590	763	679	917	532	711	932	1190	1510	969	514
22	616	578	754	661	1080	547	800	697	1080	1400	895	e513
23	625	606	2510	637	773	1000	897	619	1010	1280	1120	e510
24	631	1180	1700	610	757	832	758	570	947	1210	1260	e507
25	609	1630	1280	609	710	692	713	545	896	1140	967	e504
26	591	1070	1120	605	655	636	701	526	887	1080	887	e502
27	583	887	1020	590	635	664	716	511	1320	1020	845	500
28	576	934	960	568	841	2240	671	492	1560	989	808	e490
29	580	827	916	594	---	1330	659	485	1780	1830	774	533
30	568	763	885	764	---	1010	802	487	1440	1500	1640	493
31	560	---	857	673	---	1140	---	482	---	1210	1700	---
TOTAL	22624	25187	35705	22878	18640	22708	27264	18673	46874	58799	34732	19090
MEAN	730	840	1152	738	666	733	909	602	1562	1897	1120	636
MAX	1160	1630	2510	1440	1080	2240	1500	1080	5770	5260	1700	1170
MIN	560	559	754	568	525	532	659	482	576	989	774	490
CFSM	3.53	4.06	5.56	3.57	3.22	3.54	4.39	2.91	7.55	9.16	5.41	3.07
IN.	4.07	4.53	6.42	4.11	3.35	4.08	4.90	3.36	8.42	10.57	6.24	3.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
MEAN	439	510	654	764	858	930	881	714	607	527	491	471				
MAX	1524	1509	1358	1747	1728	1829	1633	1725	1562	1897	1453	2619				
(WY)	1965	1980	1962	1946	1990	1979	1964	1976	2005	2005	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				

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	294807		353174		653	
ANNUAL MEAN	805		968		1098	
HIGHEST ANNUAL MEAN					1949	
LOWEST ANNUAL MEAN					298	
HIGHEST DAILY MEAN	18500	Sep 17	5770	Jun 13	18500	Sep 17 2004
LOWEST DAILY MEAN	296	Aug 27	482	May 31	88	Oct 8 1954
ANNUAL SEVEN-DAY MINIMUM	331	Jul 20	504	Sep 22	90	Oct 7 1954
MAXIMUM PEAK FLOW			10700	Jun 12	33300	Sep 17 2004
MAXIMUM PEAK STAGE			6.76	Jun 12	a 13.80	Aug 30 1940
INSTANTANEOUS LOW FLOW			462	Sep 28	88	Oct 8 1954
ANNUAL RUNOFF (CFSM)	3.89		4.67		3.15	
ANNUAL RUNOFF (INCHES)	52.98		63.47		42.84	
10 PERCENT EXCEEDS	1280		1550		1160	
50 PERCENT EXCEEDS	578		778		530	
90 PERCENT EXCEEDS	368		553		226	

a Maximum stage recorded 13.80 Aug. 30, 1940.

e Estimated

