

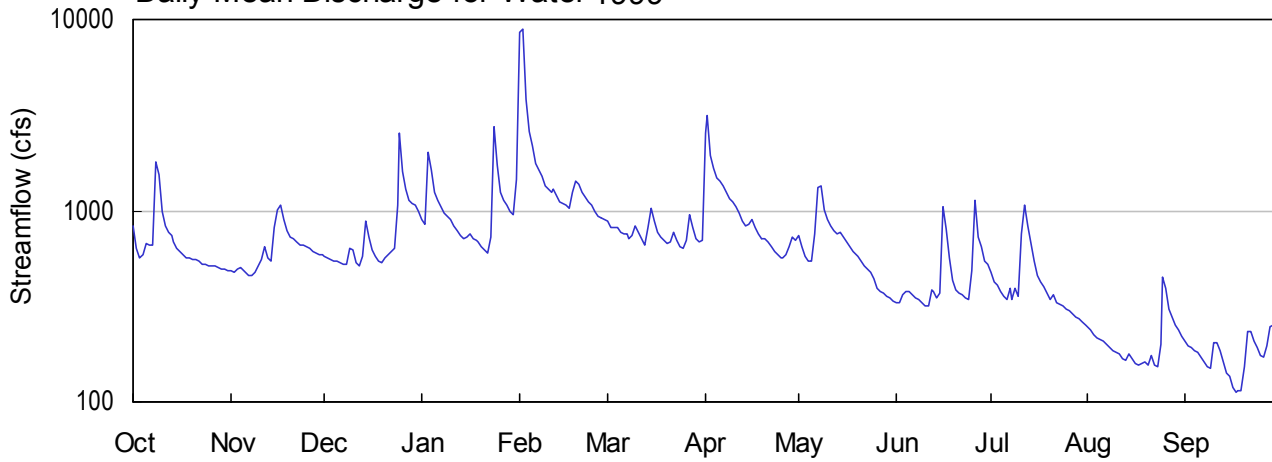
SAVANNAH RIVER BASIN

02191300

BROAD RIVER ABOVE CARLTON, GEORGIA

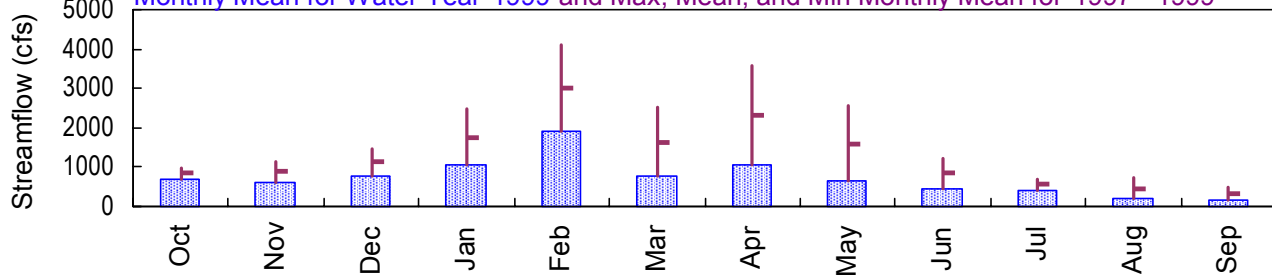
Latitude: 34° 04' 24" Longitude: 83° 00' 12" Hydrologic Unit Code: 03060104 Madison County
 Drainage Area: 760.00 mi² Datum: 406.5 feet Period of Record: 1997 - 1999

Daily Mean Discharge for Water 1999

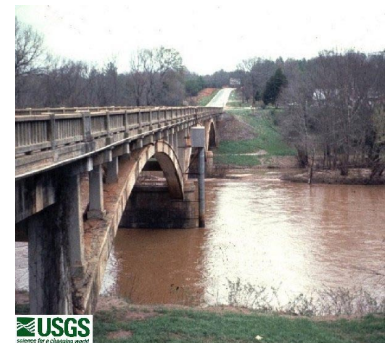
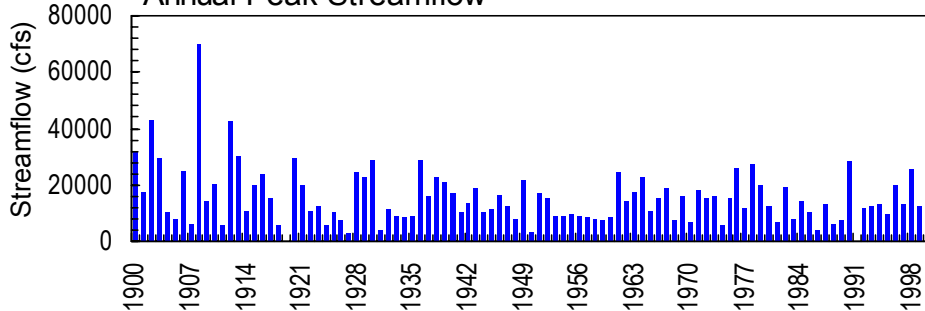


Monthly Statistics

Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1997 - 1999



Annual Peak Streamflow



02191300 - Broad River near Carlton, GA

SAVANNAH RIVER BASIN
1999 Water Year

02191300 BROAD RIVER ABOVE CARLTON, GA.

LOCATION.--Lat 34°04'24", long 83°00'12", Elbert-Madison County line, Hydrologic Unit 03060104, at downstream side of bridge on Georgia Highway 72, 2.7 miles upstream from South Fork Broad River, 2.8 miles northeast of Carlton, GA.

DRAINAGE AREA.--760 mi².

PERIOD OF RECORD.--July 1897 to December 1912. January 1913 to September 1997 (annual maximum stage only). Prior to January 1, 1918, published as "near Carlton" (02191500). September 29, 1997 to current year.

GAGE.--Satellite transmitter. Datum of gage is 406.55 feet above sea level (leveling by Global Positioning System equipment). Prior to January 1, 1918, non-recording gage at Seaboard Coast Line Railway bridge about .75 miles downstream at datum 5.67 feet lower. From January 1, 1978 to September 1936, non-recording gage located at bridge 100 feet upstream at same datum. From October 1936 to April 1954, non-recording gage located at present site and datum.

REMARKS.--Records good to fair.

PEAK DISCHARGES FOR CURENT YEAR.--Peak discharges greater than base discharge of 8,500 ft³/s and maximum (*):

DATE	TIME	DISCHARGE (ft ³ /s)	GAGE HEIGHT (ft)
Feb. 1	1930	12,400*	16.46*

STATION NUMBER 02191300 BROAD RIVER AT SR 72 ABOVE CARLTON, GEORGIA STREAM SOURCE AGENCY USGS
 LATITUDE 340424 LONGITUDE 0830012 DRAINAGE AREA 760.00 DATUM 404.60 STATE 13 COUNTY 195

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	828	489	578	899	8520	887	2560	743	331	473	246	206
2	637	478	566	847	8880	824	3160	644	331	423	237	196
3	569	495	558	2030	3850	812	1930	580	362	412	225	191
4	594	506	547	1630	2580	811	1660	545	377	381	215	187
5	679	486	540	1250	2170	771	1480	550	378	357	211	182
6	656	468	539	1140	1780	759	1420	750	363	341	208	173
7	658	460	527	1050	1630	761	1340	1330	351	396	201	162
8	1800	455	528	965	1520	720	1250	1360	341	343	192	153
9	1550	474	640	933	1340	736	1160	1010	329	392	186	150
10	983	515	629	892	1290	833	1120	897	319	355	183	203
11	828	557	536	835	1260	770	1050	827	317	752	178	204
12	773	646	511	782	1290	708	965	780	386	1060	167	186
13	745	568	579	746	1200	665	876	755	375	828	165	161
14	685	540	877	713	1120	817	837	774	347	677	177	141
15	636	816	722	725	1100	1020	856	723	368	540	169	e135
16	606	1010	621	762	1060	877	896	686	1050	459	160	e120
17	584	1070	578	716	1030	775	811	644	794	421	157	113
18	570	902	544	700	1260	732	751	616	569	399	160	114
19	563	781	534	684	1440	704	717	584	432	369	162	115
20	558	733	561	644	1380	679	708	578	385	342	156	153
21	558	708	594	622	1240	683	692	549	370	366	175	235
22	547	688	611	602	1170	765	645	516	365	332	155	234
23	529	663	639	725	1110	700	614	498	347	324	152	207
24	520	655	1080	2760	1060	643	593	474	343	318	201	192
25	519	647	2560	1730	999	632	571	438	489	308	450	174
26	518	632	1590	1260	943	704	562	396	1130	300	395	172
27	513	616	1290	1140	910	944	584	380	721	289	306	195
28	506	601	1140	1070	894	812	642	369	650	279	275	246
29	495	592	1090	982	---	720	730	359	547	272	252	251
30	493	586	1070	960	---	681	706	349	525	263	236	274
31	489	---	988	1460	---	696	---	338	---	253	221	---

TOTAL	21189	18837	24367	32254	54026	23641	31886	20042	13992	13024	6573	5425
MEAN	684	628	786	1040	1930	763	1063	647	466	420	212	181
MAX	1800	1070	2560	2760	8880	1020	3160	1360	1130	1060	450	274
MIN	489	455	511	602	894	632	562	338	317	253	152	113
CFSM	.90	.83	1.03	1.37	2.54	1.00	1.40	.85	.61	.55	.28	.24
IN.	1.04	.92	1.19	1.58	2.64	1.16	1.56	.98	.68	.64	.32	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 1999, BY WATER YEAR (WY)

MEAN	834	889	1120	1756	3010	1645	2318	1605	847	553	466	338
MAX	985	1151	1453	2472	4091	2527	3573	2563	1228	686	721	495
(WY)	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998
MIN	684	628	786	1040	1930	763	1063	647	466	420	212	181
(WY)	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1997 - 1999

ANNUAL TOTAL		615860		265256								
ANNUAL MEAN		1687		727						1270		
HIGHEST ANNUAL MEAN										1813		1998
LOWEST ANNUAL MEAN										727		1999
HIGHEST DAILY MEAN		20800	Feb 5	8880	Feb 2	20800	Feb 5	1998				
LOWEST DAILY MEAN		364	Sep 28	113	Sep 17	113	Sep 17	1999				
ANNUAL SEVEN-DAY MINIMUM		386	Sep 15	127	Sep 14	127	Sep 14	1999				
INSTANTANEOUS PEAK FLOW				12400	Feb 1	70000	Aug 25	1908				
INSTANTANEOUS PEAK STAGE				16.46	Feb 1	39.00	Aug 25	1908				
ANNUAL RUNOFF (CFSM)		2.22		.96		1.67						
ANNUAL RUNOFF (INCHES)		30.14		12.98		22.70						
10 PERCENT EXCEEDS		3250		1250		2360						
50 PERCENT EXCEEDS		1120		602		768						
90 PERCENT EXCEEDS		496		196		289						

STATISTICS COMPUTED BY: darrelle

DATE: 04/10/2000 AT: 14:43:04

e Estimated