

SAVANNAH RIVER BASIN

02198000

BRIER CREEK AT MILLHAVEN, GA.

Latitude: 32° 56' 00" Longitude: 81° 39' 05" Hydrologic Unit Code: 03060108

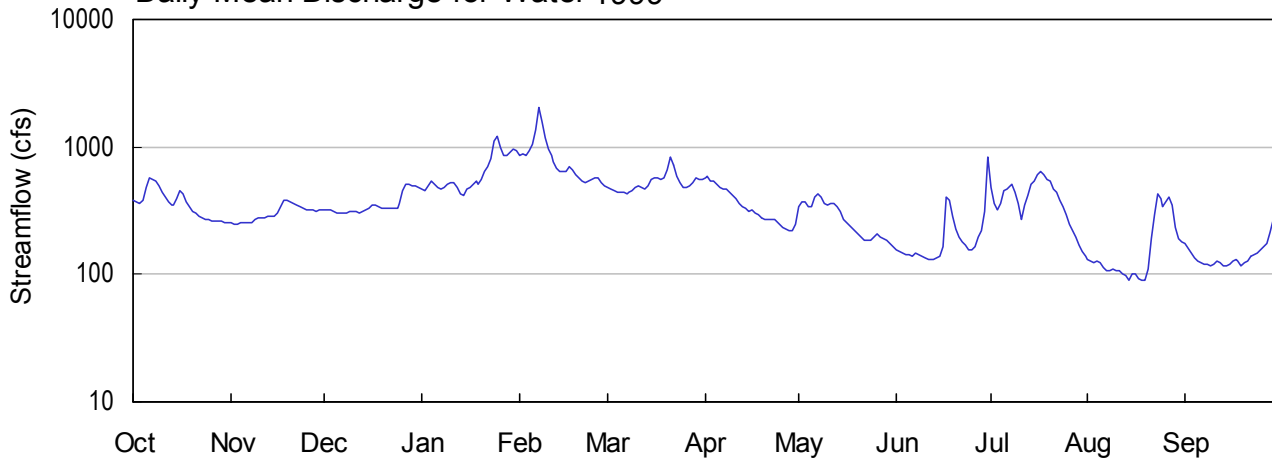
Screven County

Drainage Area: 646.00 mi²

Datum: 95.88 feet

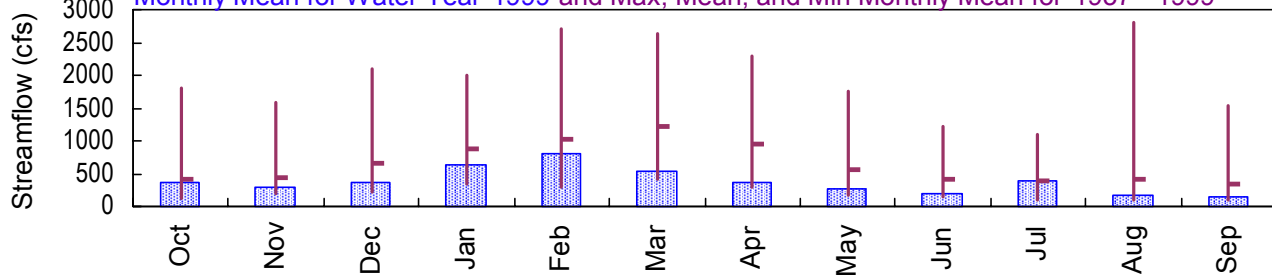
Period of Record: 1937 - 1999

Daily Mean Discharge for Water 1999

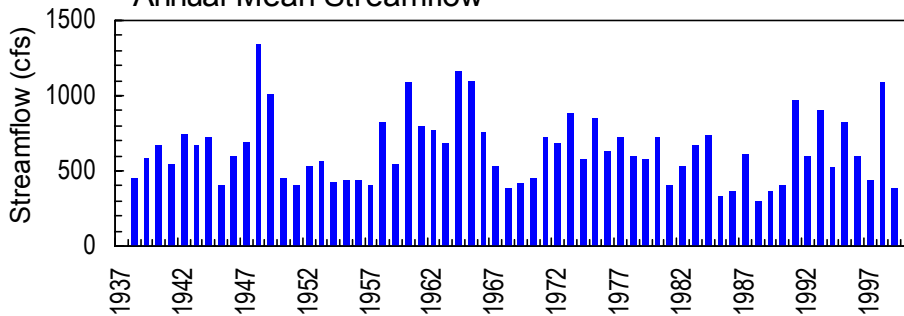


Monthly Statistics

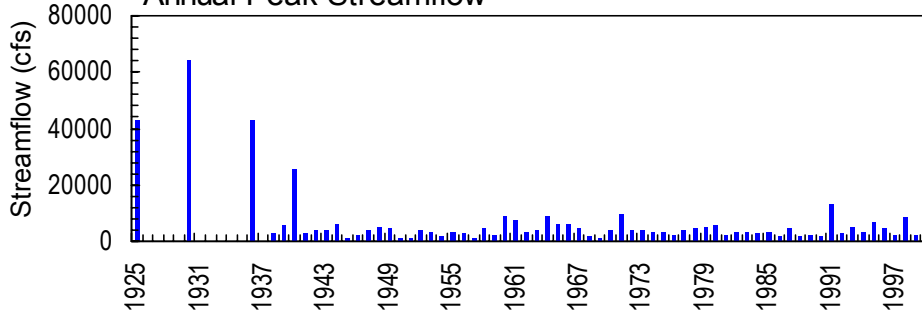
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1937 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



02198000 - Brier Creek at Millhaven, GA - January 31, 1973

SAVANNAH RIVER BASIN
1999 Water Year

02198000 BRIER CREEK AT MILLHAVEN, GA

LOCATION.--Lat 32°56'00", long 81°39'05", Screven County, Hydrologic Unit 03060108, near right bank on downstream side of pier of Girard-Millhaven Road bridge at Millhaven, 8.5 miles upstream from Beaverdam Creek.

DRAINAGE AREA.--646 mi².

PERIOD OF RECORD.--October 1936 to current year. Monthly discharges only for October 1936 to April 1937, published in WSP 1303.

REVISED RECORDS.--WSP 1383: Drainage area. WSP 1503: 1956.

GAGE.--Water-stage recorder. Datum of gage is 95.88 feet above sea level. Prior to June 7, 1950, non-recording gage was located at a site 200 feet downstream at same datum. June 7, 1950, to Apr. 30, 1951, non-recording gage located at present site and datum.

REMARKS.--Records good. Records of chemical analyses for the 1970-79 water years are published in reports of the U.S. Geological Survey. Periods of monthly discharges only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1797, 25.1 feet in September or October 1929, from information provided by the Georgia Department of Transportation; discharge, 64,000 ft³/s, by slope-conveyance study.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

DATE	TIME	DISCHARGE (ft ³ /s)	GAGE HEIGHT (ft)
Feb. 7	0900	2,160*	8.61*

STATION NUMBER 02198000 BRIER CREEK AT MILLHAVEN, GA. STREAM SOURCE AGENCY USGS
 LATITUDE 325600 LONGITUDE 0813905 DRAINAGE AREA 646.00 DATUM 95.88 STATE 13 COUNTY 251

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	386	252	323	473	863	480	574	338	158	484	132	175
2	369	249	322	450	880	465	586	372	151	357	126	161
3	361	250	319	501	845	456	545	367	147	317	124	147
4	377	253	315	536	930	446	540	341	141	359	126	134
5	481	254	307	503	1040	439	514	340	141	457	125	127
6	578	252	304	487	1380	435	479	402	140	464	114	123
7	561	254	305	463	2060	433	464	423	145	497	106	121
8	546	258	306	476	1580	440	463	403	144	509	107	119
9	491	269	312	506	1170	456	447	365	139	442	111	115
10	440	277	310	528	950	485	418	347	133	361	108	119
11	401	281	308	529	852	492	390	355	130	272	106	126
12	371	281	304	477	766	482	364	355	130	353	101	123
13	349	282	308	431	686	470	341	342	132	418	97	118
14	347	282	322	416	639	489	329	308	134	512	90	117
15	389	288	334	463	633	548	315	272	138	541	100	119
16	452	306	352	486	648	564	317	255	166	610	101	126
17	428	339	353	511	694	571	306	241	408	634	92	132
18	371	383	343	544	668	554	290	225	381	614	90	126
19	336	382	334	515	606	573	276	213	283	552	89	117
20	315	368	331	555	565	659	271	205	226	534	111	123
21	302	357	329	636	543	821	270	196	197	463	190	129
22	288	346	333	695	530	730	273	186	180	439	293	140
23	279	338	334	813	543	586	268	183	168	380	425	143
24	272	329	330	1120	562	520	255	186	155	337	397	146
25	267	321	363	1230	577	487	242	197	155	291	336	157
26	264	318	457	1000	564	481	232	205	163	246	368	165
27	263	318	506	854	528	497	229	198	198	219	407	175
28	262	316	509	856	501	530	223	190	222	194	352	214
29	259	317	495	912	---	567	222	186	315	171	236	268
30	256	319	488	954	---	559	250	176	834	153	191	296
31	252	---	487	924	---	557	---	166	---	138	180	---

TOTAL	11313	9039	11043	19844	22803	16272	10693	8538	6154	12318	5531	4401
MEAN	365	301	356	640	814	525	356	275	205	397	178	147
MAX	578	383	509	1230	2060	821	586	423	834	634	425	296
MIN	252	249	304	416	501	433	222	166	130	138	89	115
CFSM	.56	.47	.55	.99	1.26	.81	.55	.43	.32	.62	.28	.23
IN.	.65	.52	.64	1.14	1.31	.94	.62	.49	.35	.71	.32	.25

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

MEAN	408	440	654	872	1035	1214	946	553	419	379	408	345
MAX	1814	1580	2091	1990	2709	2635	2304	1759	1211	1103	2817	1544
(WY)	1991	1948	1949	1993	1960	1948	1961	1964	1973	1941	1940	1964
MIN	116	203	208	335	304	422	294	176	138	89.0	94.9	102
(WY)	1955	1955	1989	1956	1989	1938	1985	1986	1990	1986	1954	1954

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

ANNUAL TOTAL	344165	137949	
ANNUAL MEAN	943	378	636
HIGHEST ANNUAL MEAN			1339
LOWEST ANNUAL MEAN			301
HIGHEST DAILY MEAN	8240	Mar 12	2060
LOWEST DAILY MEAN	157	Aug 7	89
ANNUAL SEVEN-DAY MINIMUM	172	Aug 3	94
INSTANTANEOUS PEAK FLOW			2160
INSTANTANEOUS PEAK STAGE			8.61
INSTANTANEOUS LOW FLOW			87
ANNUAL RUNOFF (CFSM)	1.46	.59	.99
ANNUAL RUNOFF (INCHES)	19.82	7.94	13.39
10 PERCENT EXCEEDS	1950	608	1260
50 PERCENT EXCEEDS	430	336	457
90 PERCENT EXCEEDS	237	130	191

STATISTICS COMPUTED BY: btwhite

DATE: 05/03/2000 AT: 09:15:37