

SATILLA RIVER BASIN

02228000

SATILLA RIVER AT ATKINSON, GA.

Latitude: 31° 13' 16" Longitude: 81° 52' 03" Hydrologic Unit Code: 03070201

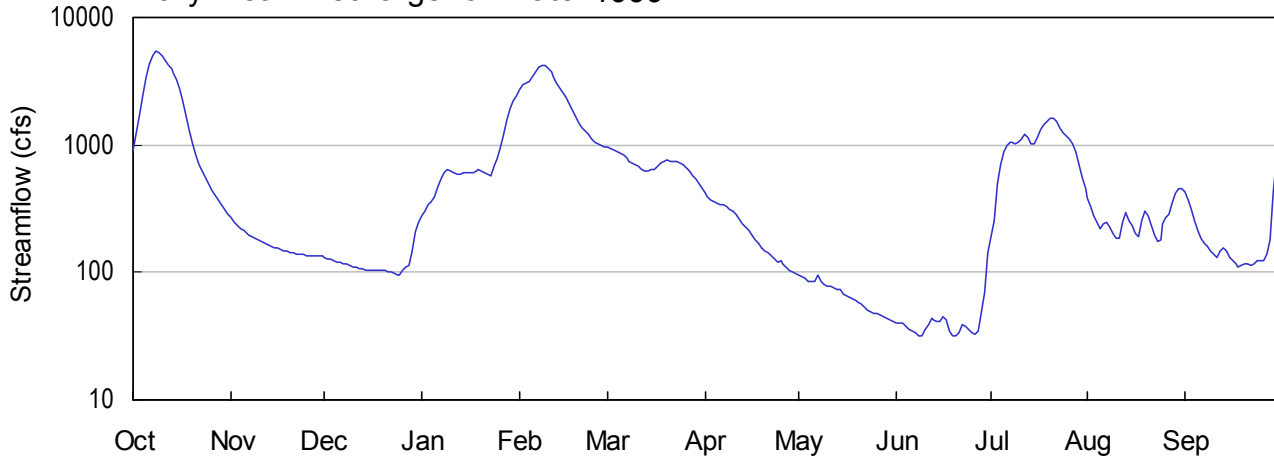
Brantley County

Drainage Area: 2790.0 mi²

Datum: 14.79 feet

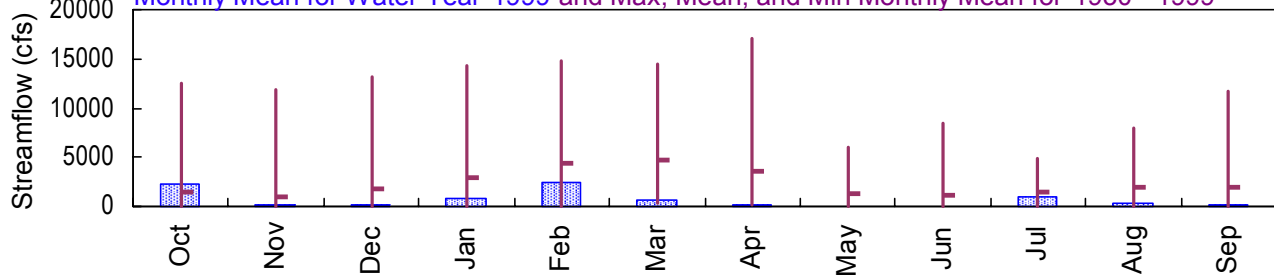
Period of Record: 1930 - 1999

Daily Mean Discharge for Water 1999

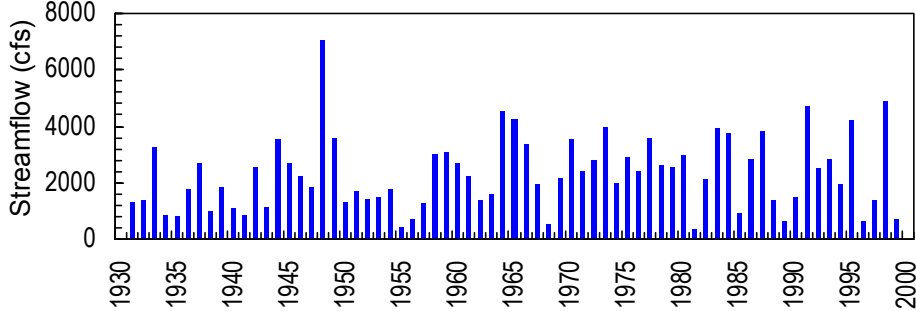


Monthly Statistics

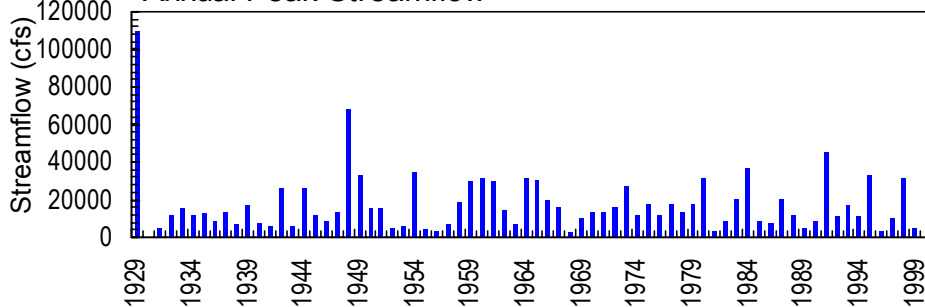
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1930 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



USGS

02228000 - Satilla River at Atkinson, GA

SATILLA RIVER BASIN
1999 Water Year

02228000 SATILLA RIVER AT ATKINSON, GA

LOCATION.--Lat 31°13'16", long 81°52'03", Brantley County, Hydrologic Unit 03070201, on left bank piling 25 feet upstream from bridge on U.S. Highway 82, 400 feet downstream from Seaboard Coast Line Railroad bridge, and 1 mile west of Atkinson.

DRAINAGE AREA.--2,790 mi², approximately.

PERIOD OF RECORD.--March 1930 to current year. Monthly discharge only for March 1930, published in WSP 1304.

REVISED RECORDS.--WSP 1504: 1932. WSP 1624: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.79 feet above sea level. Prior to Dec. 6, 1933, and Nov. 21, 1961, to Sept. 30, 1964, non-recording gage located at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, 27.2 feet in September 1929, from information by Georgia Department of Transportation; discharge, 110,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,800 ft³/s and maximum (*):

DATE	TIME	DISCHARGE (ft ³ /s)	GAGE HEIGHT (ft)
Oct. 8	1800	5,460*	12.96*

No other peaks greater than base discharge

STATION NUMBER 02228000 SATILLA RIVER AT ATKINSON, GA. STREAM SOURCE AGENCY USGS
 LATITUDE 311316 LONGITUDE 0815203 DRAINAGE AREA 2790.00 DATUM 14.79 STATE 13 COUNTY 025

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	912	266	131	281	2690	960	422	95	40	189	385	429
2	1240	249	128	304	2940	938	391	93	40	258	327	371
3	1730	235	126	343	3050	919	371	89	40	493	280	312
4	2500	222	123	356	3170	895	359	86	38	702	245	258
5	3480	211	121	390	3410	863	351	84	36	875	223	217
6	4350	202	119	465	3750	825	344	86	35	996	237	187
7	5070	195	117	546	4030	784	337	95	34	1050	249	169
8	5400	189	115	607	4180	743	326	86	32	1040	230	161
9	5360	183	113	635	4160	716	315	79	32	1020	204	148
10	5040	178	110	627	3990	695	302	77	36	1040	185	137
11	4630	173	109	601	3720	671	284	77	39	1110	186	132
12	4250	168	107	591	3400	650	264	75	44	1200	250	145
13	3960	163	107	595	3100	630	243	74	43	1130	297	156
14	3670	159	105	600	2820	632	225	73	41	1020	254	145
15	3250	158	104	607	2570	641	211	68	41	1020	233	132
16	2700	155	104	600	2340	648	196	65	45	1140	204	124
17	2160	152	105	611	2100	681	182	63	43	1310	192	115
18	1670	148	105	630	1880	725	169	61	35	1440	251	110
19	1280	145	104	637	1670	749	158	60	32	1530	307	113
20	1010	143	103	631	1490	753	149	58	32	1610	280	118
21	827	141	101	613	1370	750	142	56	34	1620	232	115
22	707	137	100	587	1280	745	135	54	39	1530	197	113
23	616	138	97	574	1200	735	127	51	38	1370	175	117
24	548	138	96	671	1120	719	120	49	36	1240	182	123
25	492	136	95	775	1050	697	123	48	34	1170	240	123
26	444	135	103	958	1010	665	116	47	33	1120	271	124
27	403	134	110	1230	978	621	109	46	35	1030	287	137
28	366	135	114	1570	970	576	105	45	49	879	354	180
29	336	135	147	1940	---	534	102	44	70	706	415	432
30	309	134	205	2240	---	489	98	42	143	561	449	791
31	286	---	248	2440	---	451	---	41	---	458	457	---

TOTAL	68996	5057	3672	24255	69438	22100	6776	2067	1269	31857	8278	5934
MEAN	2226	169	118	782	2480	713	226	66.7	42.3	1028	267	198
MAX	5400	266	248	2440	4180	960	422	95	143	1620	457	791
MIN	286	134	95	281	970	451	98	41	32	189	175	110
CFSM	.80	.06	.04	.28	.89	.26	.08	.02	.02	.37	.10	.07
IN.	.92	.07	.05	.32	.93	.29	.09	.03	.02	.42	.11	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1999, BY WATER YEAR (WY)

MEAN	1486	914	1746	2949	4362	4766	3612	1310	1201	1408	1941	1983
MAX	12540	11850	13130	14350	14790	14430	17000	5981	8496	4870	7917	11630
(WY)	1948	1948	1948	1987	1991	1959	1948	1979	1973	1963	1971	1949
MIN	25.9	24.9	38.6	63.2	79.6	262	172	66.7	40.2	31.0	43.6	25.4
(WY)	1955	1955	1932	1932	1932	1955	1938	1999	1935	1990	1954	1990

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1930 - 1999

ANNUAL TOTAL	1361308	249699	
ANNUAL MEAN	3730	684	2292
HIGHEST ANNUAL MEAN			7048
LOWEST ANNUAL MEAN			334
HIGHEST DAILY MEAN	30400	Mar 15	5400
LOWEST DAILY MEAN	46	Jul 12	32
ANNUAL SEVEN-DAY MINIMUM	50	Jul 7	35
INSTANTANEOUS PEAK FLOW			5460
INSTANTANEOUS PEAK STAGE			12.96
INSTANTANEOUS LOW FLOW			31
ANNUAL RUNOFF (CFSM)	1.34	.25	.82
ANNUAL RUNOFF (INCHES)	18.15	3.33	11.16
10 PERCENT EXCEEDS	12900	1690	6140
50 PERCENT EXCEEDS	640	254	890
90 PERCENT EXCEEDS	99	50	111

STATISTICS COMPUTED BY: rnichols

DATE: 08/10/2000 AT: 14:45:17