

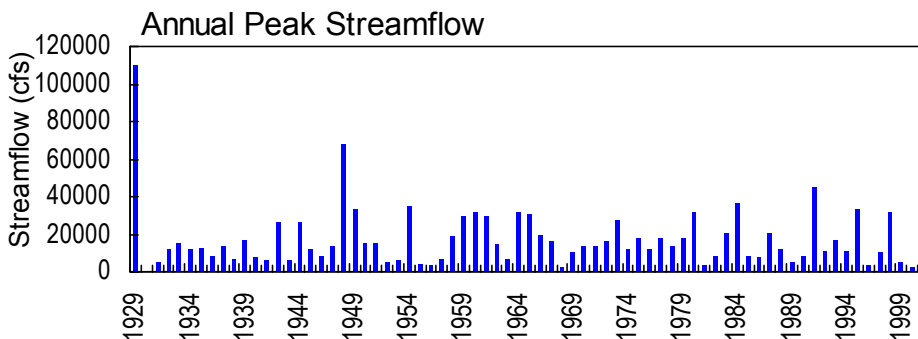
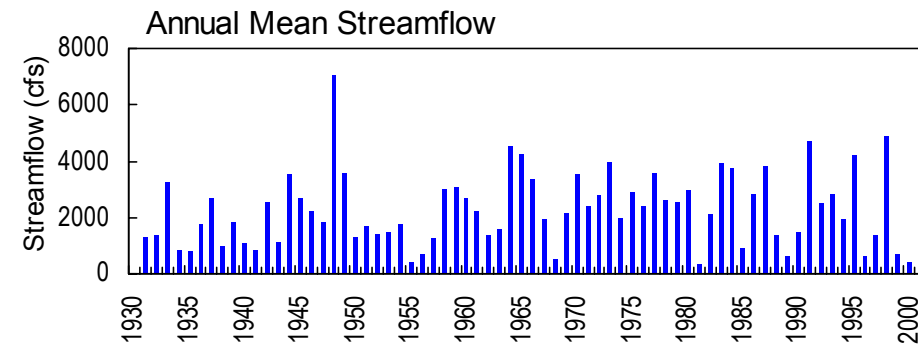
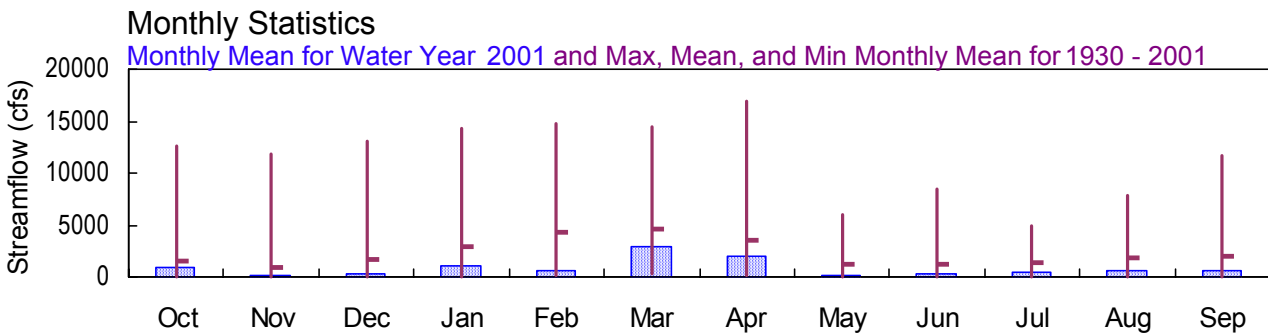
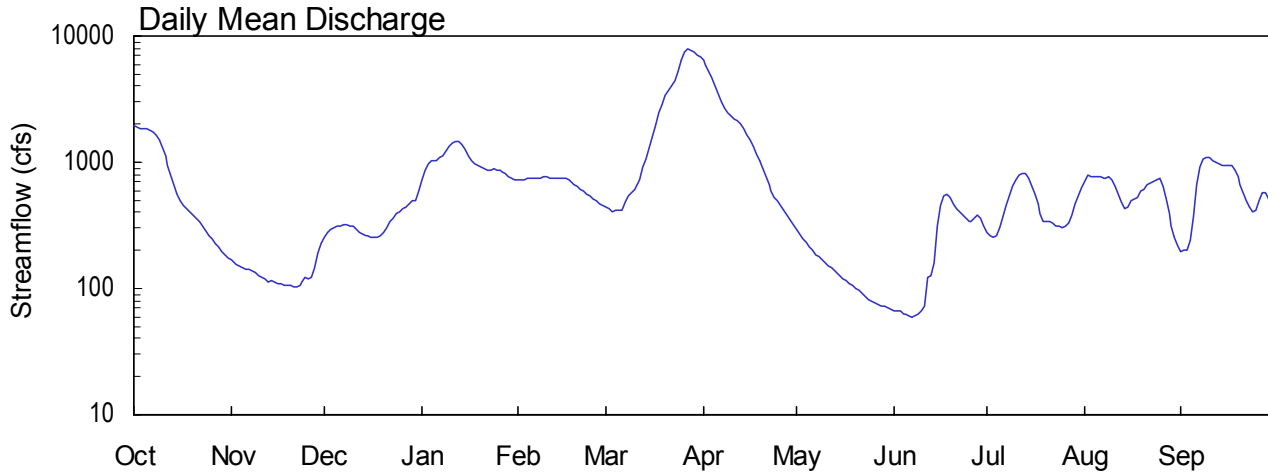


# SATILLA RIVER BASIN

## 2001 Water Year

### 02228000 SATILLA RIVER AT ATKINSON, GA

Latitude: 31° 13' 16" Longitude: 81° 52' 03" Hydrologic Unit Code: 03070201 Brantley County  
Drainage Area: 2790 mi<sup>2</sup> Datum: 14.79 feet Period of Record: 1930 - 2001



02228000 - Satilla River at Atkinson, GA

**SATILLA RIVER BASIN  
2001 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 1.0 mile west of Atkinson.

**DRAINAGE AREA.**--2,790 mi<sup>2</sup>, approximately.

**WATER-DISCHARGE RECORDS**

**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.**—Phone telemetry with a water-stage recorder. Datum of gage is 14.79 feet above sea level. Prior to December 6, 1933, and from November 21, 1961, to September 30, 1964, a non-recording gage was located at same site and datum.

**REMARKS.**--Records good.

**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 ft<sup>3</sup>/s.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 5,800 ft<sup>3</sup>/s and maximum (\*):

DATE	TIME	DISCHARGE (ft <sup>3</sup> /s)	GAGE HEIGHT (ft)
Mar.27	1445	7950	14.25

No other peaks greater than base discharge

**SATILLA RIVER BASIN  
2001 Water Year**

**02228000 SATILLA RIVER AT ATKINSON, GA—continued.**

**WATER-STAGE RECORDS**

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

**GAGE.**--Phone telemetry with a water-stage recorder. Datum of gage is 14.79 feet above sea level. Prior to December 6, 1933, and from November 21, 1961, to September 30, 1964, a non-recording gage was located at same site and datum.

**REMARKS.**--Records good.

**EXTREMES FOR CURRENT YEAR.**--Maximum gage-height recorded, 14.25 feet, March 27; minimum gage-height recorded, 2.81 feet, June 6-7.

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 2000 TO SEPTEMBER 2001  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1960	167	252	736	734	439	6380	296	66	276	708	198
2	1920	159	276	866	727	424	5840	271	67	259	783	199
3	1870	154	293	967	728	407	5230	250	66	253	777	204
4	1840	150	304	1020	746	413	4620	231	63	264	770	242
5	1830	146	311	1030	757	413	4000	215	62	302	772	372
6	1810	142	316	1040	752	421	3470	201	61	367	767	670
7	1760	140	319	1080	751	478	3030	187	60	449	739	908
8	1660	136	318	1140	756	539	2680	177	61	550	750	1050
9	1500	132	314	1230	759	573	2450	168	63	637	761	1100
10	1310	128	308	1320	760	601	2310	159	67	716	717	1090
11	1120	122	294	1400	755	650	2210	152	72	788	646	1030
12	942	118	280	1460	746	734	2120	144	124	823	563	987
13	785	113	267	1450	746	923	1990	138	125	811	482	980
14	660	115	263	1380	753	1070	1830	132	160	743	427	951
15	565	111	260	1260	754	1300	1660	126	315	648	440	933
16	497	108	257	1140	743	1600	1500	120	452	559	491	942
17	451	108	257	1040	726	1980	1330	115	541	472	508	934
18	425	107	254	976	700	2450	1170	110	566	399	528	870
19	406	107	262	937	674	2890	1020	105	524	344	585	772
20	385	107	274	915	647	3360	889	100	468	336	617	670
21	362	104	299	884	618	3710	768	96	430	339	664	580
22	337	102	336	867	590	4010	671	92	402	328	685	499
23	311	105	365	874	561	4450	595	86	377	314	704	438
24	285	111	389	880	537	5220	534	82	358	309	731	400
25	264	121	409	875	515	6420	490	80	341	303	737	416
26	245	120	428	860	491	7420	454	78	337	308	655	502
27	226	123	446	838	470	7860	414	75	363	327	514	569
28	213	144	471	805	454	7730	379	73	378	386	389	567
29	198	189	495	769	---	7390	349	72	356	475	308	512
30	185	225	501	745	---	7080	322	71	312	550	254	441
31	176	---	592	730	---	6770	---	68	---	622	218	---
TOTAL	26498	3914	10410	31514	18950	89725	60705	4270	7637	14257	18690	20026
MEAN	855	130	336	1017	677	2894	2024	138	255	460	603	668
MAX	1960	225	592	1460	760	7860	6380	296	566	823	783	1100
MIN	176	102	252	730	454	407	322	68	60	253	218	198
CFSM	.31	.05	.12	.36	.24	1.04	.73	.05	.09	.16	.22	.24
IN.	.35	.05	.14	.42	.25	1.20	.81	.06	.10	.19	.25	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2001, BY WATER YEAR (WY)

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
MEAN	1463	892	1703	2883	4255	4678	3557	1279	1172	1376	1900	1952														
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 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1930 - 2001

ANNUAL TOTAL	160641	306596		
ANNUAL MEAN	439	840	2245	
HIGHEST ANNUAL MEAN			7048	1948
LOWEST ANNUAL MEAN			334	1981
HIGHEST DAILY MEAN	2280	Apr 12	7860	Mar 27
LOWEST DAILY MEAN	39	Jul 24	60	Jun 7
ANNUAL SEVEN-DAY MINIMUM	43	Jul 21	62	Jun 3
MAXIMUM PEAK FLOW			7950	Mar 27
MAXIMUM PEAK STAGE			14.25	Mar 27
INSTANTANEOUS LOW FLOW				23.90
ANNUAL RUNOFF (CFSM)	.16	.30	.80	
ANNUAL RUNOFF (INCHES)	2.14	4.09	10.93	
10 PERCENT EXCEEDS	1140	1700	6040	
50 PERCENT EXCEEDS	274	491	846	
90 PERCENT EXCEEDS	64	114	109	

STATISTICS COMPUTED BY: jjgraham

DATE: 02/19/2002 AT: 11:21:11

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.46	3.73	4.11	6.35	6.36	5.04	13.48	4.47	2.89	4.25	6.14	3.70
2	9.38	3.68	4.25	6.85	6.33	4.97	13.18	4.35	2.89	4.16	6.48	3.71
3	9.29	3.65	4.33	7.19	6.33	4.89	12.81	4.23	2.88	4.12	6.45	3.74
4	9.25	3.62	4.39	7.38	6.40	4.92	12.38	4.13	2.85	4.17	6.43	3.96
5	9.22	3.59	4.42	7.41	6.45	4.92	11.90	4.04	2.84	4.35	6.43	4.60
6	9.18	3.56	4.45	7.43	6.43	4.96	11.41	3.95	2.83	4.66	6.41	5.95
7	9.10	3.53	4.46	7.53	6.42	5.23	10.94	3.86	2.82	5.02	6.29	6.98
8	8.90	3.51	4.46	7.72	6.44	5.51	10.54	3.80	2.83	5.46	6.34	7.46
9	8.58	3.48	4.44	7.94	6.46	5.66	10.24	3.74	2.85	5.85	6.39	7.61
10	8.15	3.44	4.41	8.17	6.46	5.78	10.03	3.68	2.89	6.20	6.18	7.57
11	7.64	3.40	4.34	8.36	6.44	6.00	9.87	3.63	2.93	6.51	5.84	7.40
12	7.11	3.36	4.27	8.50	6.40	6.35	9.71	3.57	3.39	6.65	5.43	7.26
13	6.59	3.33	4.20	8.49	6.41	7.05	9.50	3.52	3.38	6.60	5.09	7.24
14	6.12	3.34	4.17	8.33	6.43	7.52	9.22	3.47	3.62	6.30	4.85	7.14
15	5.74	3.31	4.16	8.04	6.44	8.14	8.89	3.43	4.51	5.85	4.91	7.08
16	5.45	3.29	4.14	7.71	6.39	8.79	8.59	3.38	5.15	5.41	5.13	7.11
17	5.26	3.27	4.14	7.43	6.32	9.48	8.21	3.34	5.53	5.05	5.20	7.08
18	5.15	3.27	4.13	7.22	6.21	10.23	7.80	3.30	5.63	4.73	5.28	6.85
19	5.06	3.27	4.17	7.09	6.10	10.78	7.37	3.25	5.44	4.49	5.53	6.43
20	4.97	3.26	4.23	7.02	5.98	11.30	6.93	3.20	5.18	4.45	5.69	5.95
21	4.85	3.24	4.36	6.91	5.86	11.64	6.51	3.17	5.00	4.46	5.93	5.51
22	4.72	3.22	4.55	6.85	5.73	11.91	6.13	3.14	4.87	4.41	6.03	5.16
23	4.59	3.25	4.69	6.88	5.61	12.25	5.82	3.09	4.75	4.34	6.12	4.90
24	4.45	3.28	4.81	6.90	5.49	12.80	5.57	3.05	4.66	4.31	6.25	4.74
25	4.33	3.34	4.90	6.88	5.40	13.50	5.38	3.02	4.57	4.28	6.28	4.81
26	4.23	3.33	4.99	6.83	5.29	14.01	5.22	3.00	4.55	4.31	5.88	5.17
27	4.12	3.33	5.08	6.75	5.19	14.21	5.05	2.97	4.68	4.40	5.22	5.45
28	4.03	3.48	5.20	6.63	5.11	14.15	4.89	2.95	4.76	4.67	4.69	5.47
29	3.94	3.76	5.31	6.49	---	14.00	4.74	2.94	4.65	5.06	4.31	5.26
30	3.86	3.96	5.33	6.40	---	13.85	4.61	2.93	4.43	5.37	4.03	4.98
31	3.80	---	5.74	6.34	---	13.69	---	2.90	---	5.72	3.82	---
MEAN	6.34	3.44	4.54	7.29	6.10	9.15	8.56	3.47	4.01	5.02	5.65	5.88
MAX	9.46	3.96	5.74	8.50	6.46	14.21	13.48	4.47	5.63	6.65	6.48	7.61
MIN	3.80	3.22	4.11	6.34	5.11	4.89	4.61	2.90	2.82	4.12	3.82	3.70