

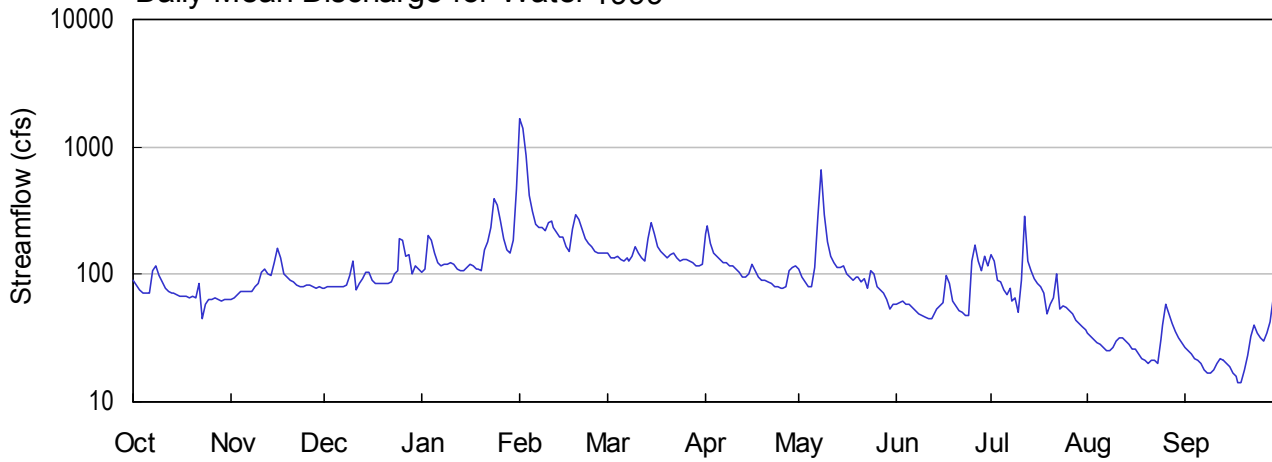
ALTAMAHA RIVER BASIN

02219000

APALACHEE RIVER NEAR BOSTWICK, GA.

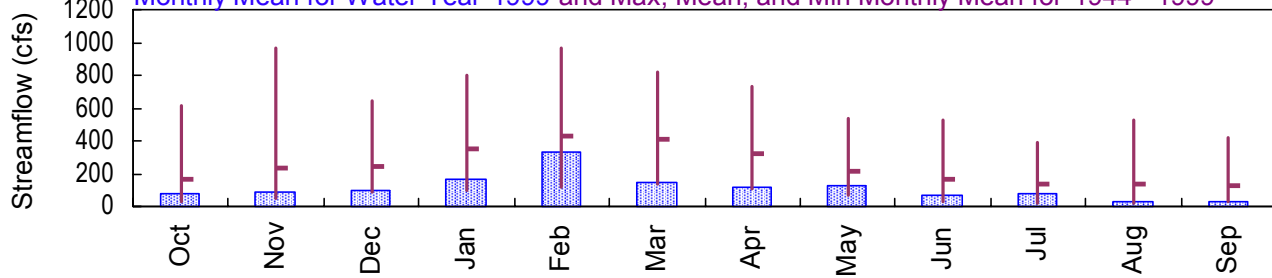
Latitude: 33° 47' 17" Longitude: 83° 28' 27" Hydrologic Unit Code: 03070101 Oconee County  
 Drainage Area: 176.00 mi<sup>2</sup> Datum: 544.1 feet Period of Record: 1944 - 1999

Daily Mean Discharge for Water 1999

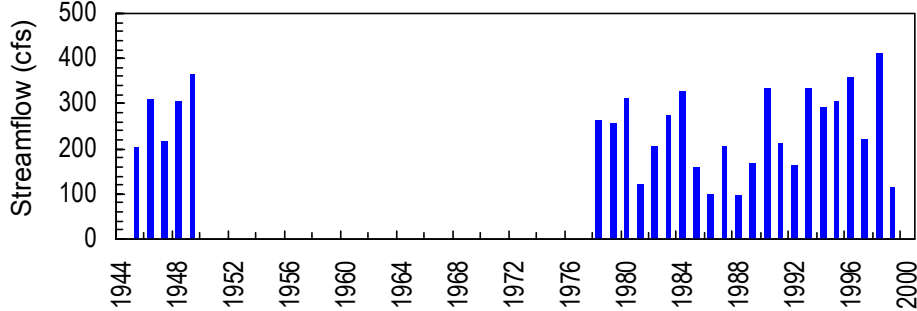


Monthly Statistics

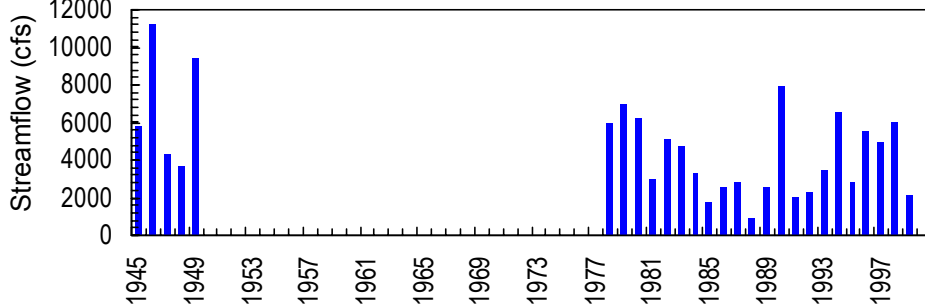
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1944 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



USGS

02219000 - Apalachee River near Bostwick, GA

**ALTAMAHA RIVER BASIN  
1999 Water Year**

**02219000 APALACHEE RIVER NEAR BOSTWICK, GA**

**LOCATION.**--Lat 33°47'17", long 83°28'27", Morgan-Oconee County line, Hydrologic Unit 03070101, on left bank 1,000 feet upstream from bridge on Price Mill Road, 3.0 miles southwest of Bishop, 4.0 miles upstream from Jacks Creek, and 4.0 miles northeast of Bostwick.

**DRAINAGE AREA.**--176 mi<sup>2</sup>.

**PERIOD OF RECORD.**--July 1944 to December 1949, April 1977 to current year.

**REVISED RECORDS.**--WDR GA-91-1: 1946(M), 1949(M).

**GAGE.**--Water-stage recorder. Datum of gage is 544.14 feet above sea level (leveling by Global Positioning System equipment).

**REMARKS.**--Records good. Some regulation at low flow occurs due to the operation of the High Shoals power plant.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 2,200 ft<sup>3</sup>/s and maximum (\*):

DATE	TIME	DISCHARGE (ft <sup>3</sup> /s)	GAGE HEIGHT (ft)
Feb. 1	1330	2,140*	4.21*

No other peaks greater than base discharge

STATION NUMBER 02219000 APALACHEE RIVER NEAR BOSTWICK, GA. STREAM SOURCE AGENCY USGS  
 LATITUDE 334717 LONGITUDE 0832827 DRAINAGE AREA 176.00 DATUM 544.14 STATE 13 COUNTY 219

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	91	63	78	104	1660	145	206	109	58	144	35	27
2	83	65	79	110	1420	134	241	96	60	126	33	25
3	75	70	79	201	857	133	175	87	61	89	31	24
4	71	73	79	186	412	140	148	79	58	87	29	22
5	71	73	80	146	312	130	137	80	59	76	28	21
6	71	73	81	123	249	129	131	112	55	70	27	20
7	108	73	80	117	232	133	124	287	52	77	25	18
8	116	74	82	119	234	128	122	670	49	62	25	17
9	97	79	99	121	223	140	117	296	47	65	27	17
10	87	86	126	123	258	163	115	179	46	50	30	18
11	78	103	76	119	264	149	110	140	45	89	32	20
12	74	109	86	109	231	133	104	122	45	282	32	22
13	72	100	93	107	212	126	96	114	47	128	30	21
14	71	97	105	106	199	188	95	114	53	108	28	20
15	69	124	103	112	196	257	101	118	56	92	26	19
16	68	162	91	121	165	207	120	102	60	84	26	17
17	67	134	86	116	151	167	107	96	98	79	24	16
18	67	101	86	109	227	151	95	89	85	72	22	14
19	66	96	84	111	298	142	90	95	62	49	21	14
20	67	90	84	106	273	136	91	96	56	59	20	18
21	66	87	86	155	225	143	88	87	52	65	21	23
22	86	83	88	181	192	149	86	92	50	101	21	33
23	45	81	101	233	174	136	81	77	48	53	20	40
24	58	81	106	390	163	129	79	106	47	56	31	35
25	63	82	191	352	152	130	77	101	127	55	40	32
26	64	82	183	264	149	131	77	80	172	52	59	30
27	65	80	139	192	146	129	81	76	129	49	49	35
28	64	78	141	155	146	122	107	72	108	44	41	42
29	62	81	101	147	---	118	114	63	139	41	36	65
30	63	78	118	184	---	118	115	54	116	39	32	91
31	63	---	110	465	---	119	---	59	---	37	29	---

TOTAL	2268	2658	3121	5184	9420	4455	3430	3948	2140	2480	930	816
MEAN	73.2	88.6	101	167	336	144	114	127	71.3	80.0	30.0	27.2
MAX	116	162	191	465	1660	257	241	670	172	282	59	91
MIN	45	63	76	104	146	118	77	54	45	37	20	14
CFSM	.42	.50	.57	.95	1.91	.82	.65	.72	.41	.45	.17	.15
IN.	.48	.56	.66	1.10	1.99	.94	.72	.83	.45	.52	.20	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1999, BY WATER YEAR (WY)

MEAN	165	232	241	354	427	405	326	219	166	141	138	122
MAX	613	969	647	799	969	816	734	536	525	390	531	420
(WY)	1996	1949	1984	1946	1998	1980	1979	1980	1994	1989	1994	1994
MIN	32.0	51.0	91.5	95.6	115	132	106	63.8	29.7	14.8	20.4	27.2
(WY)	1982	1982	1988	1981	1989	1988	1986	1986	1988	1986	1986	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1944 - 1999

ANNUAL TOTAL	127559	40850	
ANNUAL MEAN	349	112	245
HIGHEST ANNUAL MEAN			411 1998
LOWEST ANNUAL MEAN			94.3 1988
HIGHEST DAILY MEAN	4970 Feb 4	1660 Feb 1	6700 Jan 7 1946
LOWEST DAILY MEAN	45 Oct 23	14 Sep 18	7.5 Aug 10 1986
ANNUAL SEVEN-DAY MINIMUM	60 Oct 23	17 Sep 14	7.9 Aug 5 1986
INSTANTANEOUS PEAK FLOW		2140 Feb 1	11200 Jan 6 1946
INSTANTANEOUS PEAK STAGE		4.21 Feb 1	8.90 Jan 6 1946
ANNUAL RUNOFF (CFSM)	1.99	.64	1.39
ANNUAL RUNOFF (INCHES)	26.96	8.63	18.93
10 PERCENT EXCEEDS	668	189	420
50 PERCENT EXCEEDS	162	87	154
90 PERCENT EXCEEDS	69	29	63

STATISTICS COMPUTED BY: gabailey

DATE: 01/02/2001 AT: 15:52:11