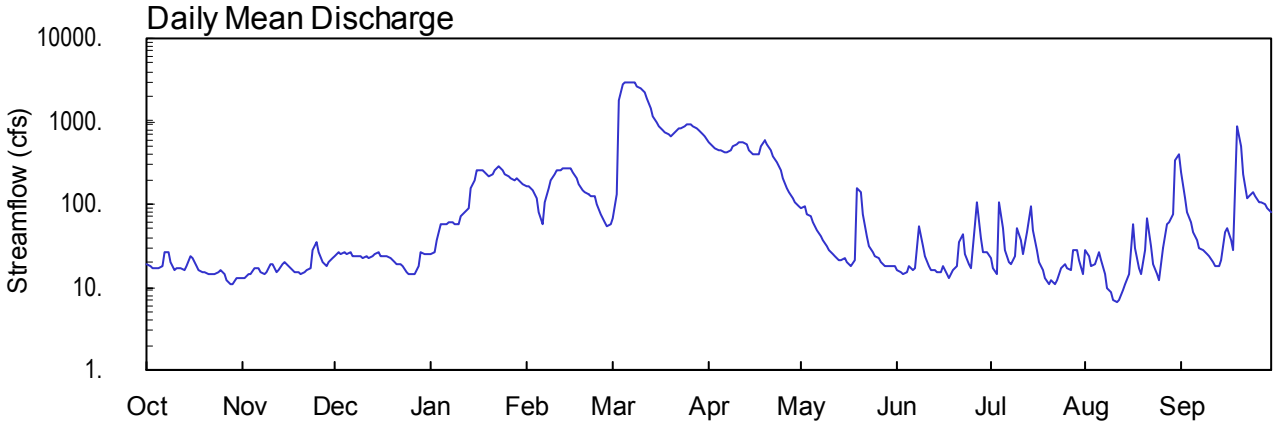
SUWANNEE RIVER BASIN

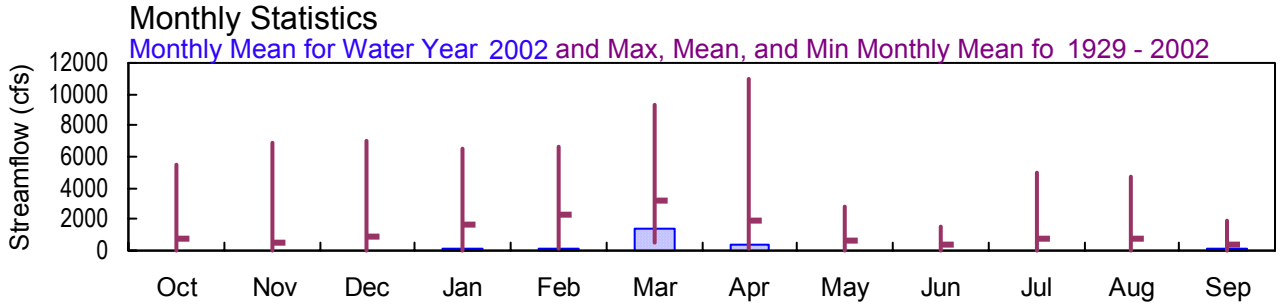
2002 Water Year

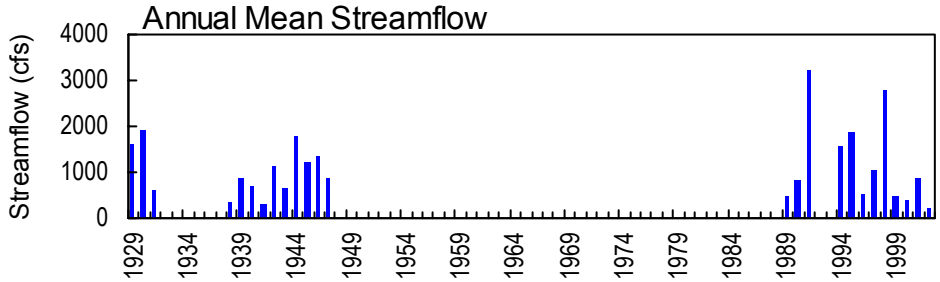
02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA

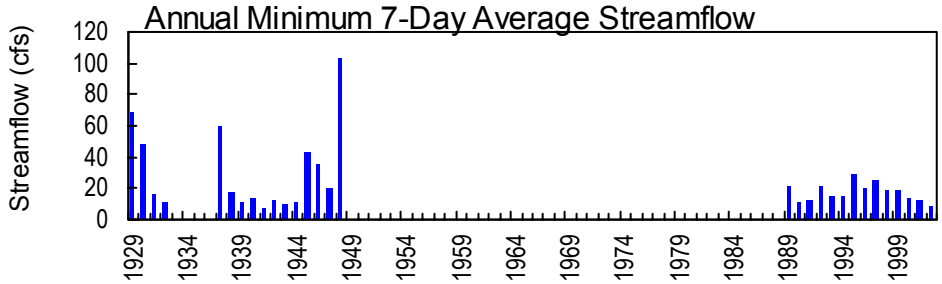
Latitude: 30°47'35" Longitude: 83°27'13" Hydrologic Unit Code: 03110203 Brooks County

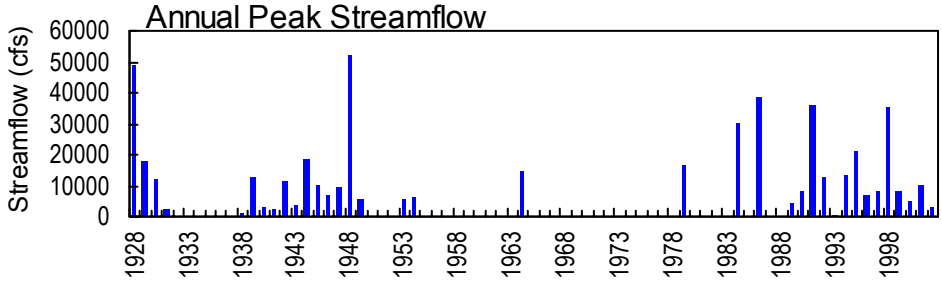
Drainage Area: 1,480. mi^2 Datum: 84.30 feet











NO PHOTOS AVAILABLE FOR THIS SITE

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA

LOCATION.—Lat 30°47'35", long 83°27'13" referenced to North American Datum (NAD) of 1983, Brooks-Lowndes County line, Hydrologic Unit 03110203, on downstream right bank pier of abandoned bridge on old US 84, 4.0 miles upstream from Piscola Creek, 6.0 miles east of Quitman, and 9.0 miles downstream from Little River.

DRAINAGE AREA.—1,480 mi^2, approximately.

COOPERATION.—USGS National Water-Quality Assessment Program.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1928 to December 1931, June 1937 to May 1948, October 1988 to May 1992, June 1993 to current year.

REVISED RECORDS.—WSP 1304: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 84.30 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1928 to December 11, 1931, a non-recording gage was located at same site at datum 5.0 feet lower. From June 9, 1937 to May 31, 1948, a non-recording gage was located at same site and datum. From May 19, 1949 to March 1, 1954, a crest-stage gage was located at same site and datum. From September 29, 1988 to May 4, 1989, a water-stage recorder was located at a site 2,000 feet upstream at same datum.

REMARKS.—Records good, except for those below 100 ft^3/s and estimated daily discharges, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 2,500 ft^3/s, and maximum (*):

DATE	TIME	DISCHARGE (ft^3/s)	GAGE-HEIGHT (ft)
Mar. 6	2153	3,030*	11.33*

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1928 to December 1931, June 1937 to May 1948, October 1988 to May 1992, June 1993 to current year.

GAGE.—Water-stage recorder. Datum of gage is 84.30 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1928 to December 11, 1931, a non-recording gage was located at same site at datum 5.0 feet lower. From June 9, 1937 to May 31, 1948, a non-recording gage was located at same site and datum. From May 19, 1949 to March 1, 1954, a crest-stage gage was located at same site and datum. From September 29, 1988 to May 4, 1989, a water-stage recorder was located at a site 2,000 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.33 feet, March 6; minimum gage-height recorded, 1.62 feet, August 12.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304735 LONGITUDE 0832713 NAD83 DRAINAGE AREA 1480.00* CONTRIBUTING DRAINAGE AREA 1480.00 DATUM 84.30 NGVD29
Date Processed: 2003-03-10 09:39 By acday
APPROVED
DD #1

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	13	e24	e25	e167	67	573	88	16	22	28	244
2	18	13	e26	e27	e161	131	509	93	15	17	24	116
3	17	14	e25	e36	e146	1760	474	77	14	14	18	79
4	17	14	e26	e58	e119	2810	453	73	15	105	19	60
5	17	17	e25	e58	e81	2960	441	61	18	50	26	47
6	18	17	e26	e56	58	3000	420	48	16	28	21	37
7	27	15	e24	e61	108	3000	414	41	17	20	14	30
8	26	14	e24	e60	156	2870	456	36	53	19	10	28
9	20	15	e24	e57	192	2660	506	31	32	24	8.5	25
10	16	19	e22	e57	228	2470	529	28	23	51	6.9	24
11	17	19	e23	e72	254	2260	554	25	18	36	6.7	20
12	17	15	e22	e82	264	1900	569	23	16	25	7.0	18
13	16	16	e24	e91	267	1450	528	21	16	46	9.0	18
14	18	19	e25	e157	272	1120	438	21	15	97	11	21
15	24	20	e26	e199	269	961	397	22	15	48	14	47
16	22	18	e24	e251	246	866	391	20	18	28	59	50
17	18	16	e24	e262	208	798	409	18	14	20	30	36
18	16	15	e23	e251	173	747	511	21	13	16	17	28
19	15	15	e22	e231	151	695	586	158	16	13	14	850
20	15	14	e20	e215	140	655	536	140	18	11	28	508
21	14	15	e19	e227	133	751	455	75	35	12	69	227
22	14	16	e19	e256	127	821	386	41	43	11	32	121
23	14	17	e18	e280	122	835	316	31	25	12	19	126
24	15	28	e15	e259	101	891	252	27	19	17	14	136
25	16	35	e14	e235	76	931	207	24	17	19	12	125
26	14	26	e14	e212	61	919	160	22	56	17	30	108
27	12	e20	e14	e204	54	866	136	20	105	16	57	103
28	11	e18	e18	e200	58	809	120	18	40	28	62	100
29	11	e20	e26	e210	---	763	107	18	27	28	74	88
30	13	e22	e25	e188	---	706	95	18	26	21	340	79
31	13	---	e25	e174	---	645	---	18	---	14	408	---
TOTAL	520	535	686	4751	4392	42117	11928	1357	771	885	1488.1	3499
MEAN	16.8	17.8	22.1	153	157	1359	398	43.8	25.7	28.5	48.0	117
MAX	27	35	26	280	272	3000	586	158	105	105	408	850
MIN	11	13	14	25	54	67	95	18	13	11	6.7	18
CFSM	0.01	0.01	0.01	0.10	0.11	0.92	0.27	0.03	0.02	0.02	0.03	0.08
IN.	0.01	0.01	0.02	0.12	0.11	1.06	0.30	0.03	0.02	0.02	0.04	0.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

MEAN	780	558	850	1675	2324	3255	1922	613	436	760	807	397
MAX	5552	6921	7062	6492	6686	9265	11040	2767	1504	4962	4709	1872
(WY)	1995	1948	1948	1991	1995	1998	1948	1991	1991	1991	1991	2000
MIN	12.8	11.0	20.7	48.6	128	492	133	43.8	23.1	27.0	19.9	14.1
(WY)	1941	1941	1991	1989	1989	1938	1999	2002	1990	1990	1990	1990

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002		
ANNUAL TOTAL	291795		72929.1				
ANNUAL MEAN	799		200		1105		
HIGHEST ANNUAL MEAN					3210		1991
LOWEST ANNUAL MEAN					200		2002
HIGHEST DAILY MEAN	9960	Mar 21	3000	Mar 6	61000	Apr 4	1948
LOWEST DAILY MEAN	10	Jun 6	6.7	Aug 11	6.7	Aug 11	2002
ANNUAL SEVEN-DAY MINIMUM	12	Oct 27	8.4	Aug 8	7.6	Nov 7	1940
MAXIMUM PEAK FLOW			3030	Mar 6	66000	Apr 4	1948
MAXIMUM PEAK STAGE			11.33	Mar 6	31.70	Apr 4	1948
INSTANTANEOUS LOW FLOW			5.8	Aug 12	5.8	Aug 12	2002
ANNUAL RUNOFF (CFSM)	0.54		0.14		0.75		
ANNUAL RUNOFF (INCHES)	7.33		1.83		10.14		
10 PERCENT EXCEEDS	1850		528		3040		
50 PERCENT EXCEEDS	262		28		350		
90 PERCENT EXCEEDS	15		14		24		

e Estimated

STATION NUMBER 02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304735 LONGITUDE 0832713 NAD83 DRAINAGE AREA 1480.00 CONTRIBUTING DRAINAGE AREA 1480.00* DATUM 84.30 NGVD29
Date Processed: 2003-03-10 08:34 By acday
APPROVED
DD #2
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.78	1.71	---	---	---	2.18	4.49	2.26	1.69	1.76	1.85	3.18
2	1.77	1.72	---	---	---	2.56	4.23	2.29	1.68	1.71	1.83	2.50
3	1.76	1.73	---	---	---	8.03	4.09	2.18	1.67	1.69	1.77	2.27
4	1.76	1.73	---	---	---	10.83	4.01	2.15	1.68	2.34	1.78	2.13
5	1.76	1.76	---	---	---	11.17	3.97	2.07	1.71	2.01	1.85	2.03
6	1.77	1.76	---	---	2.12	11.27	3.89	1.98	1.69	1.83	1.80	1.95
7	1.86	1.74	---	---	2.45	11.27	3.86	1.92	1.70	1.76	1.72	1.89
8	1.85	1.73	---	---	2.73	10.98	4.03	1.88	2.01	1.75	1.68	1.87
9	1.79	1.74	---	---	2.93	10.48	4.22	1.84	1.85	1.80	1.66	1.84
10	1.75	1.78	---	---	3.11	10.04	4.31	1.81	1.76	2.03	1.64	1.83
11	1.76	1.78	---	---	3.24	9.54	4.41	1.78	1.71	1.91	1.63	1.79
12	1.76	1.74	---	---	3.29	8.63	4.48	1.76	1.69	1.82	1.64	1.77
13	1.75	1.75	---	---	3.30	7.40	4.31	1.74	1.69	1.99	1.66	1.77
14	1.77	1.78	---	---	3.33	6.42	3.95	1.74	1.68	2.36	1.69	1.80
15	1.83	1.79	---	---	3.31	5.90	3.79	1.75	1.68	2.02	1.73	2.03
16	1.81	1.77	---	---	3.20	5.57	3.76	1.73	1.71	1.86	2.12	2.05
17	1.77	1.75	---	---	3.01	5.33	3.84	1.71	1.67	1.78	1.88	1.94
18	1.75	1.74	---	---	2.83	5.15	4.24	1.74	1.65	1.74	1.76	1.87
19	1.74	1.74	---	---	2.71	4.96	4.54	2.58	1.69	1.71	1.73	5.31
20	1.74	1.73	---	---	2.64	4.81	4.34	2.57	1.71	1.69	1.85	4.30
21	1.73	1.74	---	---	2.60	5.16	4.02	2.16	1.86	1.71	2.19	3.10
22	1.73	1.75	---	---	2.57	5.42	3.74	1.92	1.93	1.69	1.91	2.53
23	1.73	1.76	---	---	2.54	5.47	3.44	1.84	1.78	1.71	1.78	2.56
24	1.74	1.86	---	---	2.41	5.66	3.15	1.80	1.72	1.76	1.73	2.62
25	1.75	1.93	---	---	2.24	5.80	2.93	1.77	1.70	1.78	1.70	2.55
26	1.73	1.85	---	---	2.14	5.76	2.68	1.75	2.01	1.76	1.87	2.45
27	1.70	---	---	---	2.08	5.57	2.55	1.73	2.35	1.75	2.11	2.42
28	1.69	---	---	---	2.12	5.37	2.45	1.71	1.91	1.87	2.14	2.41
29	1.69	---	---	---	---	5.21	2.37	1.71	1.81	1.87	2.18	2.33
30	1.71	---	---	---	---	5.00	2.30	1.71	1.80	1.80	3.61	2.26
31	1.72	---	---	---	---	4.77	---	1.71	---	1.73	3.93	---
MEAN	1.76	---	---	---	---	6.83	3.75	1.91	1.77	1.84	1.95	2.38
MAX	1.86	---	---	---	---	11.27	4.54	2.58	2.35	2.36	3.93	5.31
MIN	1.69	---	---	---	---	2.18	2.30	1.71	1.65	1.69	1.63	1.77