

APALACHICOLA RIVER BASIN

02355350

ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA.

Latitude: 31° 12' 48" Longitude: 84° 28' 24" Hydrologic Unit Code: 03130009

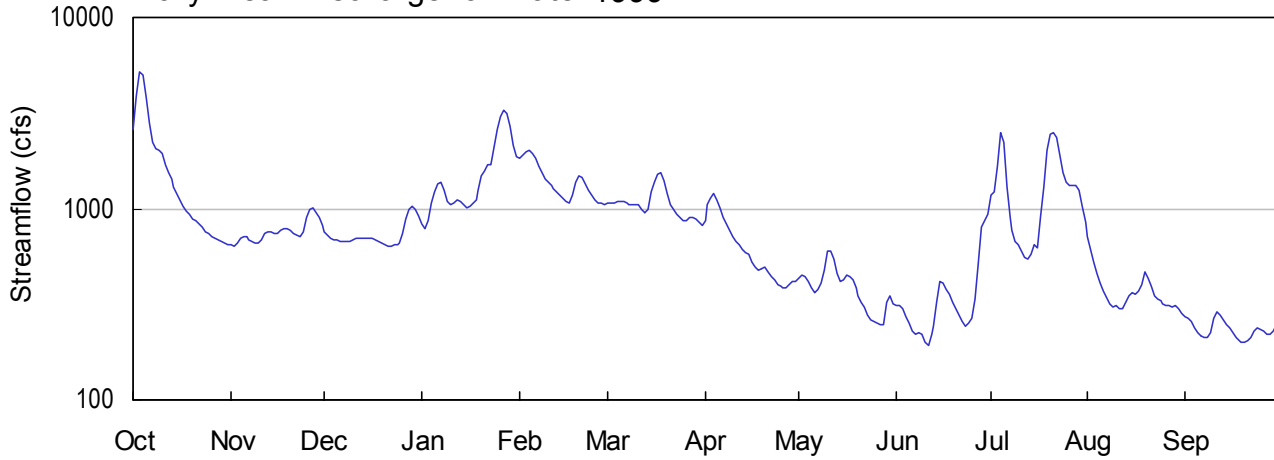
Baker County

Drainage Area: 1040.0 mi²

Datum: 98.67 feet

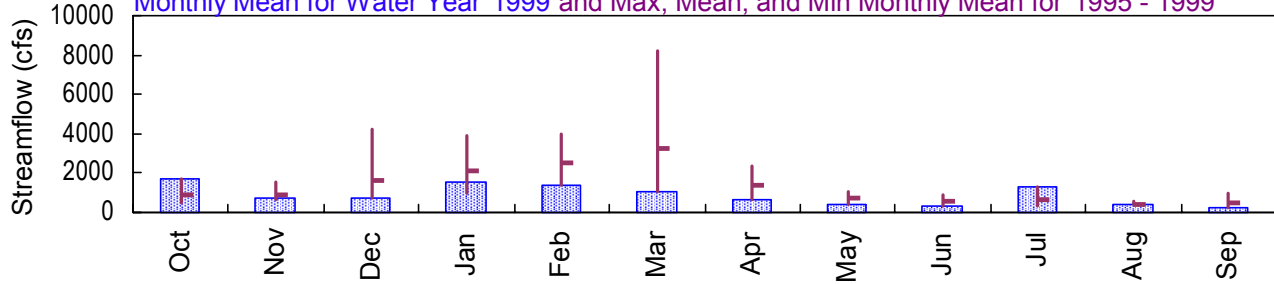
Period of Record: 1995 - 1999

Daily Mean Discharge for Water 1999

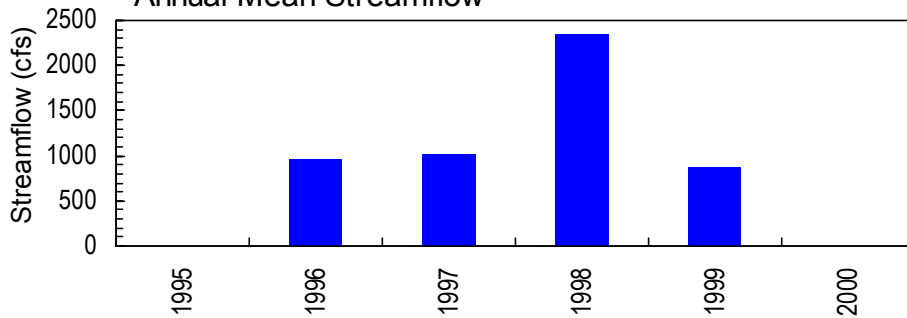


Monthly Statistics

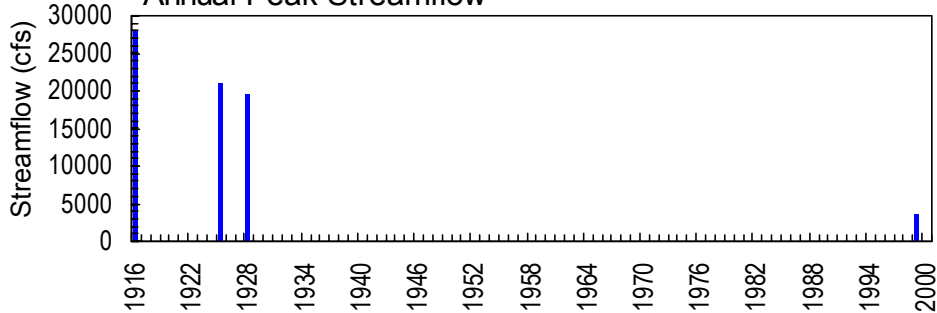
Monthly Mean for Water Year 1999 and Max, Mean, and Min Monthly Mean for 1995 - 1999



Annual Mean Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
1999 Water Year

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA

LOCATION.--Lat 31°12'48", long 84°28'24", Baker County, Hydrologic Unit 03130009, on right bank 75.0 feet below steel truss bridge, approximately 1600 feet upstream from bridge on State Highway 91, 11.0 miles southwest of Newton.

DRAINAGE AREA.—1,040 mi², approximately.

PERIOD OF RECORD.--October 1920 to June 1921 (discharge measurements and fragmentary gage-height record); October 1937 to September 1947 (published as 02355000 Ichawaynochaway Creek "near Newton"), monthly discharge only for April to September 1939 published in WSP 1301; April 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 98.67 feet above sea level. From October 9, 1920 to June 30, 1921, non-recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher. From August 10, 1937 to April 1, 1939, non-recording gage located at present site and approximately same datum. From September 21, 1939 to November 24, 1941, non-recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher. From November 25, 1941 to September 30 1947, recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher.

REMARKS.--Records good, except for the periods of estimated discharge which are fair. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation occurs at low flow. Periods of monthly discharge only and fragmentary records are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since 1916, 36.50 feet, July 9, 1994, in backwater from the Flint River.

STATION NUMBER 02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA. STREAM SOURCE AGENCY USGS
 LATITUDE 311248 LONGITUDE 0842824 DRAINAGE AREA 1040.00 DATUM STATE 13 COUNTY 007

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	2620	642	754	839	1840	1060	862	430	312	1180	711	271
2	e3900	635	722	787	1910	1070	1050	449	313	1230	609	267
3	e5200	656	704	859	1980	1070	1140	443	300	1660	524	255
4	e5000	705	693	1060	2020	1090	1190	418	273	2480	456	236
5	e3800	708	685	1220	1950	1100	1110	388	253	2220	406	225
6	2790	710	675	1360	1820	1090	1010	366	231	1290	371	218
7	2220	690	669	1380	1670	1060	907	380	222	897	341	211
8	2050	673	676	1250	1530	1050	828	411	224	774	320	212
9	2020	662	678	1100	1440	1050	771	472	219	669	306	223
10	1940	655	687	1040	1370	1050	719	596	202	644	309	268
11	1690	685	700	1060	1310	1040	679	604	192	599	298	287
12	1550	742	701	1110	1270	1000	648	546	220	555	300	277
13	1430	758	701	1100	1230	956	609	457	243	540	321	263
14	1300	757	699	1050	1180	1000	586	416	325	579	349	246
15	1200	743	700	1010	1130	1220	574	422	420	652	367	237
16	1110	742	697	1030	1090	1380	522	447	405	620	358	226
17	1030	771	690	1080	1060	1520	495	443	375	910	374	214
18	974	793	673	1110	1180	1530	477	422	358	1290	400	207
19	928	787	655	1260	1380	1390	481	386	327	2030	463	201
20	890	769	642	1490	1480	1200	495	352	302	2460	433	201
21	862	743	636	1560	1460	1050	471	326	279	2510	390	203
22	831	722	641	1710	1360	988	438	303	256	2360	350	212
23	795	711	643	1700	1260	931	421	278	244	1900	337	231
24	762	753	654	2080	1170	892	403	262	250	1540	328	236
25	738	898	665	2610	1110	865	390	257	266	1370	318	234
26	716	987	740	3050	1080	868	385	253	335	1330	310	228
27	696	1010	890	3270	1060	895	385	245	515	1330	309	220
28	683	962	990	3120	1050	898	401	247	801	1320	307	220
29	669	897	1020	2680	---	878	418	323	859	1240	312	227
30	658	813	982	2160	---	847	418	347	943	1030	300	245
31	653	---	919	1870	---	816	---	315	---	844	282	---

TOTAL	51705	22779	22581	48005	39390	32854	19283	12004	10464	40053	11559	7001
MEAN	1668	759	728	1549	1407	1060	643	387	349	1292	373	233
MAX	5200	1010	1020	3270	2020	1530	1190	604	943	2510	711	287
MIN	653	635	636	787	1050	816	385	245	192	540	282	201
CFSM	1.60	.73	.70	1.49	1.35	1.02	.62	.37	.34	1.24	.36	.22
IN.	1.85	.81	.81	1.72	1.41	1.18	.69	.43	.37	1.43	.41	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1999, BY WATER YEAR (WY)

MEAN	855	901	1666	2088	2533	3248	1411	751	577	614	441	462
MAX	1668	1505	4200	3868	4024	8180	2381	1019	926	1292	561	943
(WY)	1999	1998	1998	1998	1998	1998	1998	1998	1995	1999	1998	1998
MIN	492	653	728	1002	1407	1060	643	387	349	344	373	233
(WY)	1996	1997	1999	1996	1999	1999	1999	1999	1999	1996	1999	1999

SUMMARY STATISTICS FOR 1998 CALENDAR YEAR FOR 1999 WATER YEAR WATER YEARS 1995 - 1999

ANNUAL TOTAL		758276		317678								
ANNUAL MEAN		2077		870						1294		
HIGHEST ANNUAL MEAN										2339		1998
LOWEST ANNUAL MEAN										870		1999
HIGHEST DAILY MEAN		31000	Mar 11		5200	Oct 3				31000	Mar 11	1998
LOWEST DAILY MEAN		207	Jul 9		192	Jun 11				169	Sep 8	1997
ANNUAL SEVEN-DAY MINIMUM		230	Jul 4		209	Sep 16				174	Sep 3	1997
INSTANTANEOUS PEAK FLOW					5200	Oct 3						
INSTANTANEOUS PEAK STAGE					10.99	Oct 3				33.30	Mar 11	1998
INSTANTANEOUS LOW FLOW					188	Jun 11				168	Sep 8	1997
ANNUAL RUNOFF (CFSM)		2.00			.84					1.24		
ANNUAL RUNOFF (INCHES)		27.12			11.36					16.91		
10 PERCENT EXCEEDS		4240			1600					2670		
50 PERCENT EXCEEDS		862			705					720		
90 PERCENT EXCEEDS		377			253					298		

STATISTICS COMPUTED BY: gabailey

DATE: 01/02/2001 AT: 16:23:21

e Estimated