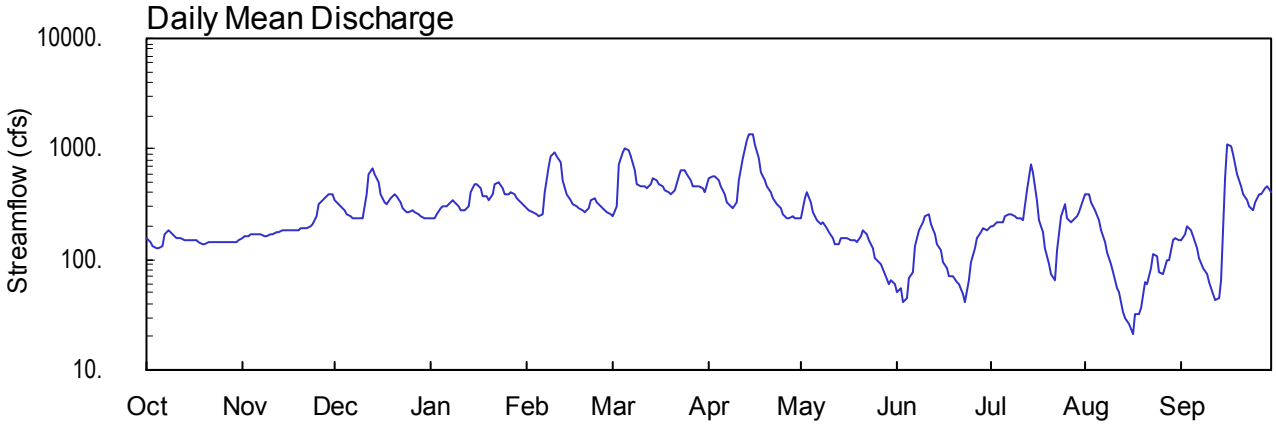
APALACHICOLA RIVER BASIN

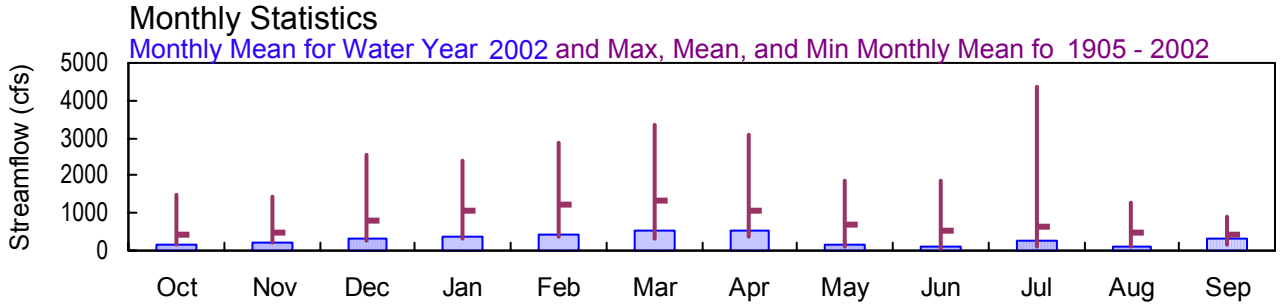
2002 Water Year

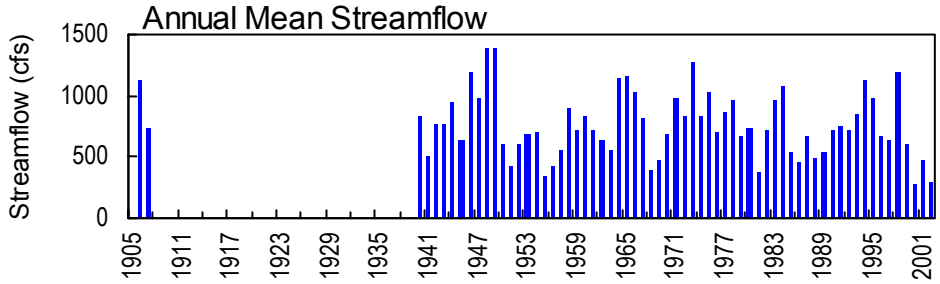
02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA

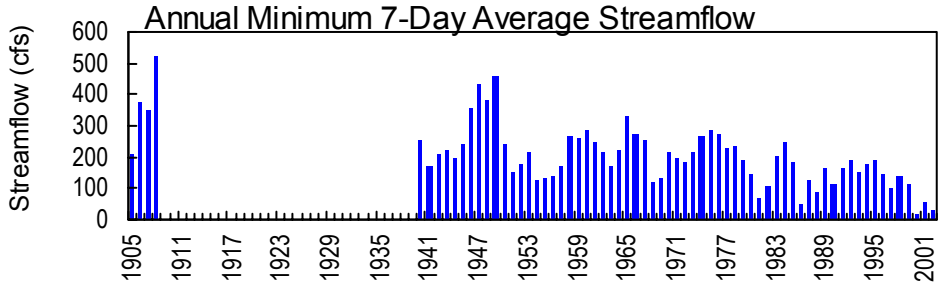
Latitude: 31°22'58" Longitude: 84°32'52" Hydrologic Unit Code: 03130009 Baker County

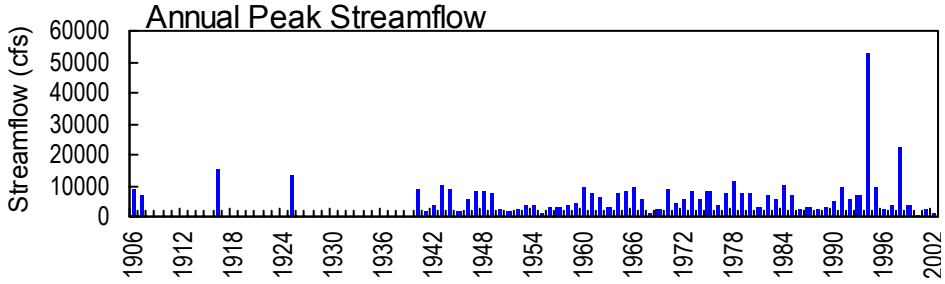
Drainage Area: 620. mi^2 Datum: 150.30 feet











APALACHICOLA RIVER BASIN
2002 Water Year

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA

LOCATION.—Lat 31°22'58", long 84°32'52" referenced to North American Datum (NAD) of 1927, Baker County, Hydrologic Unit 03130009, on downstream end of left bank pier of bridge on GA 216 at Milford, 2.2 miles upstream from Alligator Creek, and 5.5 miles upstream from Chickasawhatchee Creek.

DRAINAGE AREA.—620 mi^2, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1905 to December 1907, October 1939 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 150.3 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From August 29, 1905 to December 31, 1907, a non-recording gage was located at several sites within 450 feet of present site at various datums. From October 1, 1939 to November 10, 1941, a non-recording gage was located at site 100 feet downstream at present datum.

REMARKS.—Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation occurs at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in July 1916 reached a stage of 17.2 feet, from information by local resident; discharge, 15,500 ft^3/s.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

DATE	TIME	DISCHARGE (ft^3/s)	GAGE HEIGHT (ft)
Apr. 14	0845	1,380*	2.99*

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1905 to December 1907, October 1939 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 150.3 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From August 29, 1905 to December 31, 1907, a non-recording gage was located at several sites within 450 feet of present site at various datums. From October 1, 1939 to November 10, 1941, a non-recording gage was located at site 100 feet downstream at present datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 2.99 feet, April 14; minimum gage-height recorded, -0.13 feet, August 16.

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

STATION NUMBER 02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312258 LONGITUDE 0843252 NAD27 DRAINAGE AREA 620.00* CONTRIBUTING DRAINAGE AREA DATUM 150.30 NGVD29
Date Processed: 2003-03-10 13:05 By acday
APPROVED
DD #1, DCP

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	153	153	348	234	297	244	532	240	50	202	396	148
2	142	160	316	238	279	307	570	351	56	200	393	168
3	130	163	302	255	269	721	560	409	42	219	333	198
4	128	169	278	291	259	945	520	335	44	220	283	187
5	129	170	256	307	249	1020	452	269	69	218	229	160
6	134	170	244	304	253	983	382	225	78	246	183	124
7	166	167	234	317	403	872	335	206	132	255	144	102
8	184	164	235	346	690	643	306	213	186	253	115	83
9	174	164	232	328	861	488	290	191	219	246	91	73
10	162	169	241	301	941	458	323	176	251	234	77	62
11	154	172	383	280	872	453	522	154	252	236	55	49
12	153	174	598	274	769	446	814	137	205	223	50	43
13	149	178	682	306	522	479	1180	140	169	415	34	44
14	149	181	601	399	392	539	1370	156	135	714	29	66
15	149	181	498	471	344	527	1330	159	119	615	26	543
16	150	181	391	480	321	487	1120	154	96	337	21	1080
17	148	183	335	437	307	455	808	147	84	229	32	1070
18	142	185	319	376	292	427	610	152	70	175	32	911
19	139	185	353	379	278	402	513	145	71	128	37	599
20	140	188	392	345	270	382	457	165	63	91	63	456
21	143	190	370	394	295	415	402	184	60	73	61	391
22	144	191	332	488	344	575	355	167	49	65	85	338
23	145	198	295	493	356	649	322	148	42	123	114	305
24	146	211	271	434	334	639	286	124	66	251	106	281
25	146	250	269	382	303	598	256	102	96	311	78	326
26	144	310	276	392	282	526	238	95	125	238	73	382
27	146	344	267	401	265	469	234	92	154	217	98	395
28	144	377	254	389	254	468	246	74	178	226	97	437
29	144	385	245	360	---	459	238	60	191	250	149	466
30	145	389	240	334	---	434	232	64	186	270	155	411
31	149	---	237	310	---	399	---	59	---	342	152	---
TOTAL	4571	6302	10294	11045	11301	16909	15803	5293	3538	7822	3791	9898
MEAN	147	210	332	356	404	545	527	171	118	252	122	330
MAX	184	389	682	493	941	1020	1370	409	252	714	396	1080
MIN	128	153	232	234	249	244	232	59	42	65	21	43
CFSM	0.24	0.34	0.54	0.57	0.65	0.88	0.85	0.28	0.19	0.41	0.20	0.53
IN.	0.27	0.38	0.62	0.66	0.68	1.01	0.95	0.32	0.21	0.47	0.23	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2002, BY WATER YEAR (WY)

MEAN	448	494	807	1079	1243	1353	1070	674	539	618	476	404
MAX	1507	1461	2547	2383	2891	3336	3094	1871	1837	4382	1270	928
(WY)	1995	1948	1949	1964	1973	1998	1944	1971	1906	1994	1948	1994
MIN	138	210	241	304	371	315	374	124	41.7	96.6	87.2	145
(WY)	2001	2002	1956	1956	2001	1955	1968	2000	2000	1986	2000	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1905 - 2002	
ANNUAL TOTAL	167347		105852			
ANNUAL MEAN	458		290		763	
HIGHEST ANNUAL MEAN					1391	1948
LOWEST ANNUAL MEAN					275	2000
HIGHEST DAILY MEAN	2680	Mar 23	1370	Apr 14	30000	Jul 7 1994
LOWEST DAILY MEAN	46	Jul 21	21	Aug 16	6.6	Aug 22 2000
ANNUAL SEVEN-DAY MINIMUM	57	Jul 18	30	Aug 13	17	Aug 27 2000
MAXIMUM PEAK FLOW			1380	Apr 14	53000	Jul 7 1994
MAXIMUM PEAK STAGE			2.99	Apr 14	23.20	Jul 7 1994
INSTANTANEOUS LOW FLOW			20	Aug 16	5.0	Aug 14 1986
ANNUAL RUNOFF (CFSM)	0.74		0.47		1.23	
ANNUAL RUNOFF (INCHES)	10.04		6.35		16.71	
10 PERCENT EXCEEDS	1010		528		1510	
50 PERCENT EXCEEDS	324		240		537	
90 PERCENT EXCEEDS	132		75		227	

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Date Processed: 2003-03-10 13:05 By acday
APPROVED
DD #2, DCP
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	1.02	1.01	1.56	1.37	1.48	1.39	1.76	1.31	0.19	1.14	1.57	0.84
2	0.97	1.05	1.51	1.38	1.45	1.49	1.80	1.52	0.23	1.13	1.57	0.93
3	0.89	1.07	1.49	1.41	1.43	1.96	1.79	1.61	0.12	1.21	1.47	1.07
4	0.87	1.09	1.45	1.47	1.42	2.21	1.75	1.49	0.13	1.21	1.38	1.02
5	0.88	1.09	1.41	1.49	1.40	2.33	1.66	1.38	0.34	1.20	1.22	0.89
6	0.92	1.10	1.39	1.49	1.40	2.27	1.57	1.26	0.41	1.31	1.02	0.71
7	1.07	1.08	1.37	1.51	1.62	2.11	1.50	1.17	0.79	1.35	0.83	0.58
8	1.15	1.07	1.37	1.55	1.94	1.88	1.45	1.21	1.08	1.34	0.67	0.44
9	1.11	1.07	1.36	1.53	2.10	1.71	1.42	1.11	1.23	1.31	0.51	0.36
10	1.06	1.09	1.38	1.49	2.20	1.67	1.47	1.04	1.34	1.26	0.40	0.28
11	1.02	1.11	1.60	1.45	2.11	1.66	1.74	0.92	1.34	1.26	0.23	0.18
12	1.01	1.11	1.85	1.44	2.01	1.65	2.06	0.82	1.17	1.21	0.19	0.13
13	0.99	1.13	1.93	1.49	1.77	1.70	2.61	0.84	1.00	1.54	0.04	0.14
14	0.99	1.14	1.86	1.63	1.62	1.77	2.96	0.93	0.81	1.95	0.0	0.31
15	0.99	1.15	1.75	1.72	1.55	1.76	2.89	0.95	0.71	1.84	-0.04	1.64
16	1.00	1.14	1.62	1.73	1.52	1.71	2.50	0.92	0.56	1.48	-0.11	2.44
17	0.98	1.16	1.54	1.67	1.50	1.67	2.05	0.88	0.46	1.24	0.01	2.41
18	0.96	1.16	1.51	1.60	1.47	1.63	1.85	0.91	0.34	1.00	0.02	2.17
19	0.94	1.16	1.56	1.60	1.45	1.59	1.74	0.87	0.36	0.75	0.07	1.82
20	0.95	1.17	1.62	1.55	1.44	1.57	1.67	0.98	0.29	0.51	0.28	1.64
21	0.96	1.18	1.59	1.62	1.48	1.61	1.59	1.08	0.27	0.37	0.27	1.55
22	0.97	1.19	1.53	1.73	1.55	1.81	1.53	0.99	0.18	0.30	0.46	1.47
23	0.98	1.22	1.48	1.74	1.57	1.89	1.47	0.89	0.12	0.70	0.65	1.41
24	0.98	1.27	1.44	1.67	1.53	1.88	1.41	0.75	0.31	1.29	0.61	1.36
25	0.97	1.39	1.43	1.60	1.49	1.83	1.36	0.61	0.56	1.44	0.41	1.44
26	0.96	1.50	1.45	1.62	1.45	1.75	1.31	0.55	0.75	1.26	0.37	1.54
27	0.98	1.55	1.43	1.63	1.43	1.68	1.30	0.52	0.91	1.18	0.55	1.55
28	0.97	1.60	1.41	1.61	1.41	1.68	1.34	0.38	1.03	1.21	0.55	1.62
29	0.97	1.61	1.39	1.57	---	1.67	1.31	0.26	1.09	1.30	0.84	1.66
30	0.98	1.61	1.38	1.54	---	1.64	1.29	0.30	1.06	1.36	0.87	1.58
31	0.99	---	1.38	1.50	---	1.59	---	0.25	---	1.48	0.86	---
MEAN	0.98	1.21	1.52	1.56	1.60	1.77	1.74	0.93	0.64	1.20	0.57	1.17
MAX	1.15	1.61	1.93	1.74	2.20	2.33	2.96	1.61	1.34	1.95	1.57	2.44
MIN	0.87	1.01	1.36	1.37	1.40	1.39	1.29	0.25	0.12	0.30	-0.11	0.13