



2004 Water Year APALACHICOLA RIVER BASIN

02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA

Latitude: 31° 31' 37"

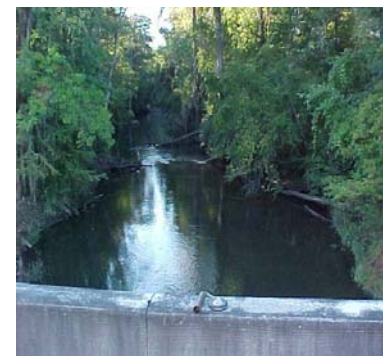
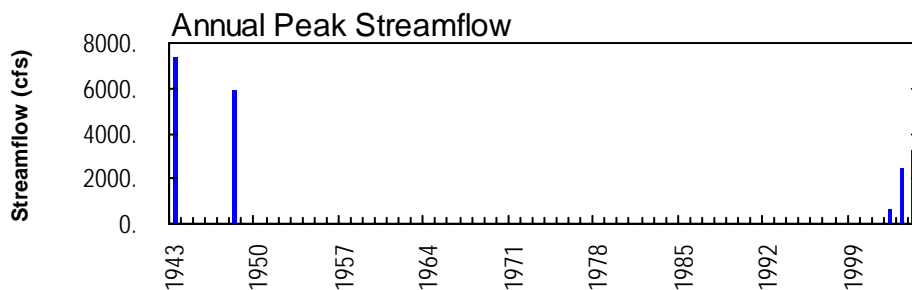
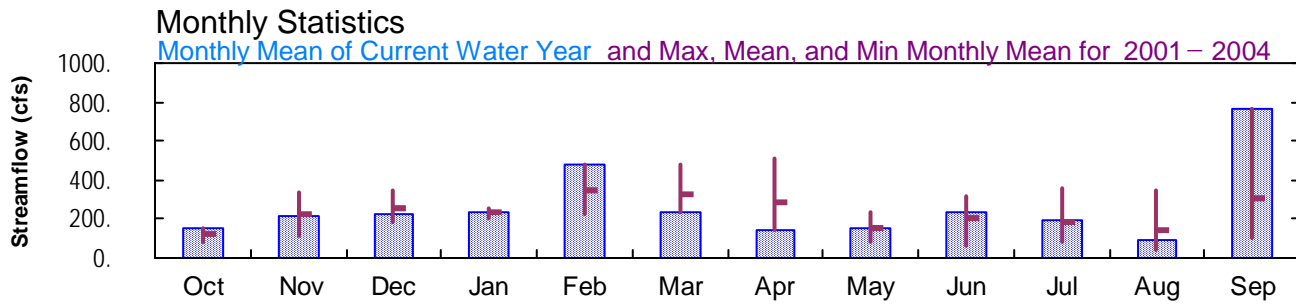
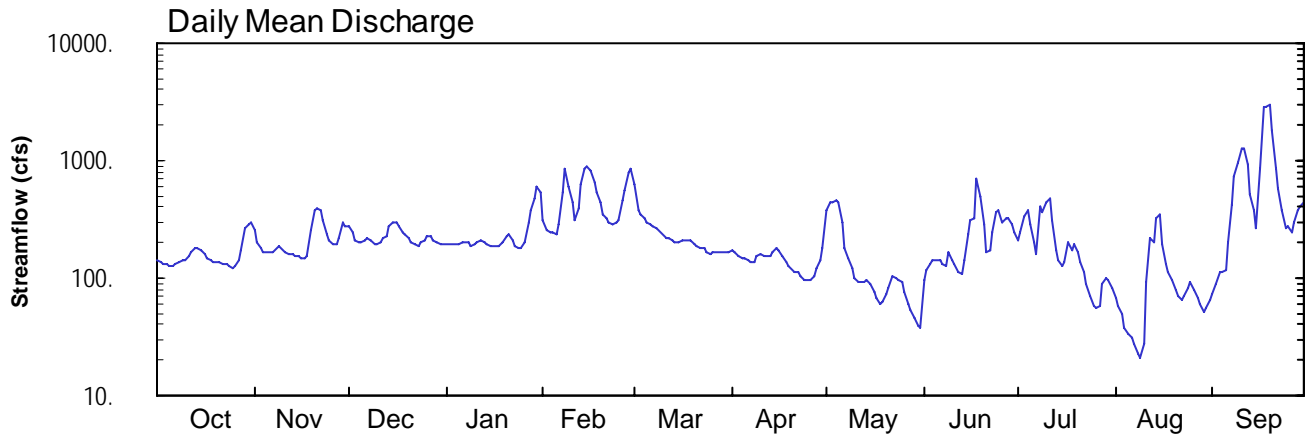
Longitude: 084° 34' 58"

Hydrologic Unit Code: 03130009

Calhoun County

Datum: 175.00 feet

Drainage Area: 301. mi²



USGS 02353265 ICHAWAYNOCHAWAY CREEK
AT GA 37, NEAR MORGAN, GA

**APALACHICOLA RIVER BASIN
2004 Water Year**

02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA

LOCATION.—Lat 31°31'37", long 84°34'58" referenced to North American Datum (NAD) of 1983, Calhoun County, Hydrologic Unit 03130009, on GA 37, 1.1 miles east of Morgan.

DRAINAGE AREA.—301 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.59 feet, September 19; minimum gage-height recorded, 5.51 feet, August 9.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

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

STATION NUMBER 02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
 LATITUDE 313137 LONGITUDE 0843458 NAD83 DRAINAGE AREA 301.00* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

Discharge, cubic feet per second
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	253	275	198	310	630	169	381	95	208	68	73
2	136	204	247	197	256	382	163	444	119	242	57	90
3	132	181	213	196	246	346	156	440	131	329	49	112
4	130	169	202	193	243	318	150	450	144	383	38	111
5	128	165	203	195	240	299	147	432	145	286	33	118
6	128	163	213	201	288	285	142	304	144	202	30	201
7	130	169	217	204	531	274	135	182	130	158	28	422
8	137	182	206	198	861	263	139	146	126	408	23	719
9	141	185	196	190	596	249	155	122	167	363	21	945
10	143	174	192	192	444	234	157	101	143	447	28	1260
11	153	165	202	203	305	221	156	93	130	482	93	1260
12	169	160	218	208	399	216	152	92	114	304	220	939
13	181	157	230	200	618	209	154	93	109	175	198	508
14	181	154	274	192	849	204	164	95	145	140	325	376
15	170	152	298	189	878	205	181	87	237	125	352	261
16	158	148	301	188	839	206	174	77	307	138	192	859
17	147	150	280	186	648	208	154	67	321	201	131	2920
18	141	154	245	190	533	210	138	61	702	170	112	2900
19	138	255	233	204	442	207	125	63	487	191	96	2940
20	138	384	222	230	352	198	119	73	286	164	80	1790
21	137	388	206	234	318	190	115	83	164	137	69	852
22	134	373	195	208	295	182	113	104	170	112	65	585
23	131	311	189	188	284	177	105	99	246	89	71	372
24	125	233	201	181	293	167	97	96	363	71	84	265
25	124	207	211	182	305	162	97	93	381	59	93	273
26	126	198	223	200	462	165	96	76	293	56	80	244
27	142	194	228	302	566	168	103	61	323	58	69	297
28	171	221	214	377	792	165	123	54	325	89	60	381
29	261	295	200	469	855	164	144	45	292	102	51	408
30	292	277	197	609	---	164	182	39	241	96	55	448
31	293	---	197	526	---	169	---	37	---	82	65	---
TOTAL	4860	6421	6928	7430	14048	7237	4205	4590	6980	6067	2936	22929
MEAN	157	214	223	240	484	233	140	148	233	196	94.7	764
MAX	293	388	301	609	878	630	182	450	702	482	352	2940
MIN	124	148	189	181	240	162	96	37	95	56	21	73
MED	141	183	213	198	442	207	145	93	168	164	69	415
AC-FT	9640	12740	13740	14740	27860	14350	8340	9100	13840	12030	5820	45480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

	2001	2002	2003	2004	2001	2002	2003	2004	2001	2002	2003	2004
MEAN	125	222	253	234	343	324	286	155	203	183	139	303
MAX	157	340	348	255	484	480	510	240	312	362	350	764
(WY)	2004	2003	2003	2003	2004	2003	2003	2003	2003	2003	2003	2004
MIN	77.7	111	187	207	224	233	140	77.6	60.4	81.0	39.3	105
(WY)	2002	2002	2002	2002	2002	2004	2004	2002	2002	2001	2002	2002

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 2001 - 2004

ANNUAL TOTAL	110719	94631		
ANNUAL MEAN	303	259	239	
HIGHEST ANNUAL MEAN			323	2003
LOWEST ANNUAL MEAN			137	2002
HIGHEST DAILY MEAN	2090	Apr 9	2940	Sep 19 2004
LOWEST DAILY MEAN	54	Jan 27	21	Aug 9 2004
ANNUAL SEVEN-DAY MINIMUM	122	Jun 26	29	Aug 4 2002
MAXIMUM PEAK FLOW			3280	Sep 19 2004
MAXIMUM PEAK STAGE			13.59	Sep 19 2004
INSTANTANEOUS LOW FLOW			20	Aug 9 2004
ANNUAL RUNOFF (AC-FT)	219600	187700	173500	
10 PERCENT EXCEEDS	511	445	456	
50 PERCENT EXCEEDS	233	190	186	
90 PERCENT EXCEEDS	139	81	65	

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

STATION NUMBER 02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
 LATITUDE 313137 LONGITUDE 0843458 NAD83 DRAINAGE AREA 301.00* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

Gage height, feet
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.11	8.14	8.32	7.68	8.57	10.18	7.37	9.04	6.52	7.76	6.24	6.31
2	7.03	7.73	8.10	7.67	8.17	9.06	7.30	9.45	6.81	8.01	6.11	6.50
3	6.98	7.53	7.82	7.66	8.09	8.82	7.22	9.43	6.94	8.70	5.99	6.74
4	6.96	7.42	7.72	7.64	8.06	8.62	7.16	9.49	7.08	9.07	5.84	6.73
5	6.93	7.38	7.73	7.65	8.04	8.49	7.11	9.38	7.09	8.38	5.76	6.80
6	6.94	7.36	7.82	7.71	8.38	8.38	7.06	8.50	7.09	7.70	5.71	7.70
7	6.96	7.42	7.85	7.73	9.83	8.30	6.97	7.50	6.92	7.25	5.67	9.30
8	7.04	7.54	7.76	7.69	10.83	8.22	7.02	7.11	6.88	9.19	5.57	10.46
9	7.09	7.56	7.66	7.61	10.12	8.11	7.21	6.84	7.34	8.93	5.54	11.01
10	7.11	7.46	7.63	7.63	9.42	7.99	7.24	6.63	7.07	9.46	5.67	11.58
11	7.23	7.38	7.72	7.73	8.53	7.88	7.23	6.54	6.93	9.66	6.52	11.57
12	7.41	7.32	7.86	7.77	9.16	7.84	7.17	6.52	6.76	8.50	7.77	10.97
13	7.53	7.29	7.96	7.70	10.15	7.78	7.19	6.54	6.71	7.43	7.64	9.75
14	7.53	7.25	8.31	7.63	10.81	7.73	7.31	6.55	7.09	7.04	8.67	9.02
15	7.43	7.22	8.49	7.61	10.87	7.74	7.49	6.47	8.00	6.88	8.86	8.14
16	7.30	7.18	8.51	7.60	10.78	7.75	7.42	6.35	8.54	7.02	7.58	10.47
17	7.17	7.20	8.35	7.57	10.29	7.77	7.19	6.23	8.64	7.70	6.94	13.32
18	7.10	7.25	8.08	7.61	9.89	7.79	7.01	6.16	10.35	7.38	6.74	13.33
19	7.06	8.14	7.98	7.73	9.43	7.76	6.88	6.19	9.60	7.59	6.57	13.35
20	7.05	9.08	7.89	7.96	8.86	7.67	6.81	6.30	8.38	7.31	6.39	12.28
21	7.03	9.10	7.75	7.99	8.62	7.58	6.76	6.43	7.30	7.01	6.26	10.77
22	7.00	9.01	7.66	7.77	8.46	7.50	6.75	6.65	7.37	6.73	6.21	10.08
23	6.96	8.57	7.61	7.60	8.37	7.45	6.66	6.60	8.08	6.49	6.28	8.96
24	6.90	7.98	7.71	7.53	8.44	7.35	6.58	6.56	8.93	6.28	6.43	8.23
25	6.89	7.76	7.80	7.54	8.53	7.29	6.58	6.54	9.05	6.13	6.53	8.29
26	6.91	7.68	7.90	7.69	9.53	7.32	6.57	6.34	8.44	6.10	6.39	8.07
27	7.11	7.65	7.94	8.51	10.02	7.35	6.64	6.16	8.66	6.12	6.26	8.46
28	7.42	7.87	7.82	9.03	10.67	7.32	6.85	6.07	8.67	6.49	6.14	9.05
29	8.20	8.46	7.70	9.56	10.82	7.31	7.09	5.94	8.43	6.63	6.02	9.23
30	8.44	8.33	7.67	10.17	---	7.31	7.49	5.85	8.05	6.57	6.08	9.47
31	8.45	---	7.67	9.81	---	7.37	---	5.83	---	6.41	6.21	---
MEAN	7.23	7.78	7.90	7.96	9.37	7.90	7.04	6.97	7.79	7.48	6.47	9.53
MAX	8.45	9.10	8.51	10.17	10.87	10.18	7.49	9.49	10.35	9.66	8.86	13.35
MIN	6.89	7.18	7.61	7.53	8.04	7.29	6.57	5.83	6.52	6.10	5.54	6.31

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Precipitation, total, inches
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	1.37	0.15	0.00	0.47
2	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.53	0.94	3.29	0.09	0.12
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.45	0.01	0.00	0.00
4	0.00	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.02	0.01	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	2.01	0.02	0.00	0.00	0.00	0.00	0.00	3.93
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.95	0.00	0.30
8	0.00	0.00	0.00	0.01	0.00	0.00	0.59	0.00	0.42	0.84	0.00	0.01
9	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.25	0.00	0.08	0.00	0.08	0.00	0.00	0.00	0.00	0.00	1.66	0.12
11	0.11	0.00	0.00	0.00	0.39	0.00	0.00	0.09	0.00	0.00	1.03	1.13
12	0.06	0.00	0.00	0.00	1.16	0.00	0.10	0.07	0.00	0.01	0.19	0.00
13	0.00	0.00	0.67	0.00	0.01	0.00	0.30	0.00	0.57	0.00	0.00	0.14
14	0.00	0.00	0.31	0.00	1.22	0.00	0.00	0.00	0.71	0.00	0.00	0.04
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.69	0.00	0.10
16	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.06	1.15	0.05	4.07
17	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.30	0.02	0.00	0.03
18	0.00	1.09	0.00	0.07	0.00	0.00	0.00	0.02	0.00	0.37	0.00	0.00
19	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.60	0.00	0.03	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00
23	0.00	0.00	0.25	0.00	0.29	0.00	0.00	0.00	0.57	0.00	0.00	0.00
24	0.00	0.00	0.00	0.06	0.04	0.00	0.00	0.00	0.02	0.00	0.35	0.00
25	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00	0.16	0.00	0.00	0.00
26	0.35	0.00	0.00	0.85	0.38	0.00	0.15	0.00	1.08	0.70	0.00	0.10
27	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	1.24
28	0.82	0.65	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00
29	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.10	0.00	---	0.16	3.27	0.00	0.00	0.00	0.18	0.00
31	0.00	---	0.00	0.00	---	0.04	---	0.06	---	0.00	0.01	---
TOTAL	1.61	2.57	1.54	1.34	6.54	0.24	4.41	2.84	8.15	9.91	3.59	11.80