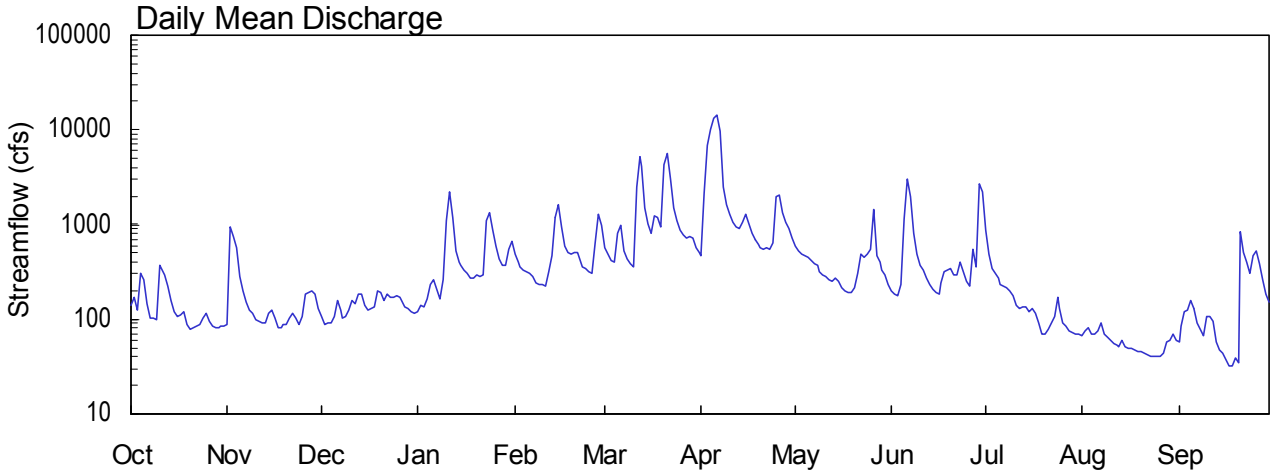
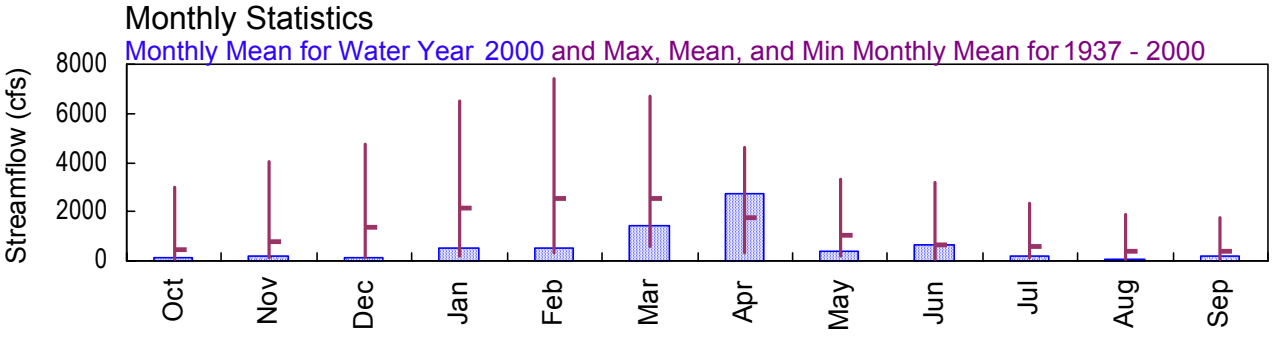
MOBILE RIVER BASIN

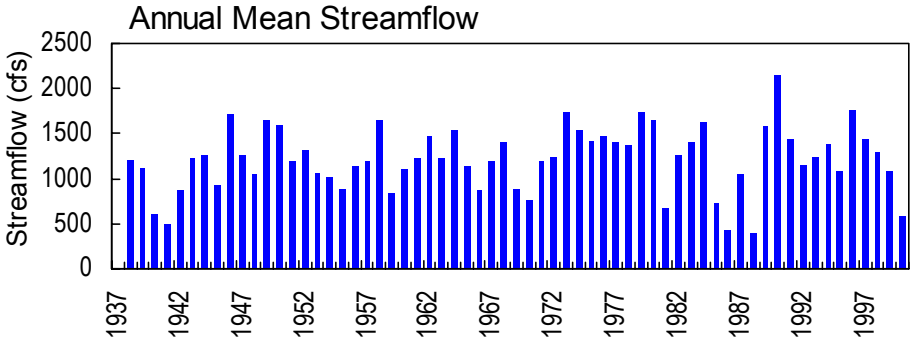
2000 Water Year

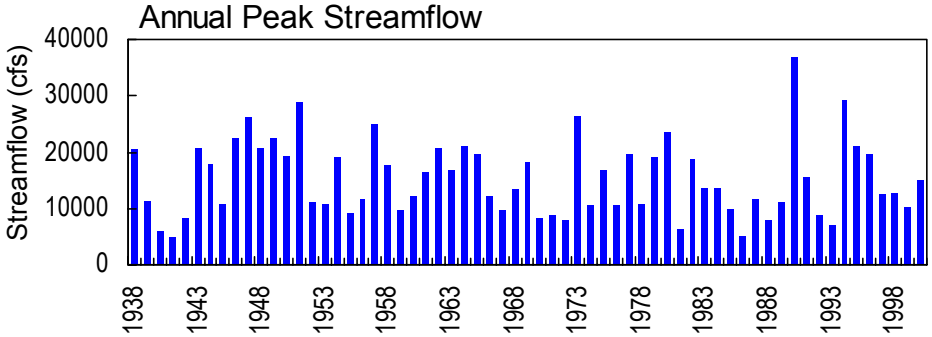
02387000 CONASAUGA RIVER AT TILTON, GA

Latitude: 34°40'00" Longitude: 84°55'42" Hydrologic Unit Code: 03150101 Whitfield County
Drainage Area: 687 mi^2 Datum: 622.2 feet Period of Record: 1937 - 2000









USGS 02387000 Conasauga River at Tilton, GA

MOBILE RIVER BASIN
2000 Water Year

02387000 CONASAUGA RIVER AT TILTON, GA

LOCATION.--Lat 34°40'00", long 84°55'42", Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250 feet downstream from Tilton Road Bridge, 0.2 miles downstream from Swamp Creek, 0.5 miles northeast of Tilton, and 12.0 miles upstream from confluence with Coosawattee River.

DRAINAGE AREA.--687 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1937 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 622.28 feet above sea level (levels by Corps of Engineers). Prior to August 24, 1940, a non-recording gage was located at site 150 feet upstream at same datum. Since October 1, 1979, an auxiliary water-stage recorder was located at Sloan Road Bridge, 3.2 miles downstream. A water-stage recorder on Oostanaula River at Resaca was used as auxiliary gage during 1961-79 water years.

REMARKS.--Records good. Flow affected by withdrawals and return flow by the city of Dalton, GA.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

DATE	TIME	DISCHARGE (ft^3/s)	GAGE HEIGHT (ft)
Mar. 12	1800	5,550	11.96
Mar. 21	1300	5,870	12.39
Apr. 6	0900	15,000*	21.90*

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS
LATITUDE 344000 LONGITUDE 0845542 DRAINAGE AREA 687 DATUM 622.28 STATE 13 COUNTY 313
PROVISIONAL DATA DCP SUBJECT TO REVISION
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	87	105	122	495	575	477	602	203	878	e67	57
2	170	955	89	138	407	481	2120	523	184	483	e74	85
3	126	752	90	133	360	419	6890	478	175	346	e81	120
4	310	561	92	167	330	399	10200	468	230	309	e71	127
5	264	288	106	233	315	814	13200	449	1150	277	e70	156
6	147	198	156	263	300	997	14600	417	3010	235	e75	130
7	103	151	123	210	283	526	9720	390	1960	224	e90	91
8	102	126	101	162	244	438	2520	365	812	216	e70	79
9	98	114	109	258	230	383	1630	322	489	200	e64	68
10	377	98	123	1110	230	352	1280	295	377	178	e59	109
11	338	96	159	2190	226	2530	1050	279	331	141	e56	107
12	297	92	147	1170	312	5260	933	264	277	128	e54	96
13	221	93	184	519	475	4090	892	254	230	135	e52	58
14	158	114	186	395	1200	1520	1040	272	207	137	e60	48
15	122	123	143	368	1610	1020	1300	255	190	119	e52	43
16	105	102	123	329	959	819	1010	212	186	129	e50	37
17	113	81	132	307	583	1220	817	197	238	115	e49	32
18	122	81	133	273	512	1200	689	191	320	93	e48	32
19	88	88	199	277	495	947	613	193	334	71	e46	39
20	77	89	190	295	506	4240	563	218	339	70	e45	35
21	83	102	156	287	511	5630	547	307	291	77	e43	848
22	84	114	184	298	404	3050	565	479	299	93	e42	501
23	87	103	169	1090	363	1510	537	443	395	106	e41	398
24	103	87	171	1320	338	1110	638	484	319	169	e40	309
25	114	107	176	889	317	883	2010	539	251	128	e40	472
26	95	186	170	589	300	783	2070	1470	222	91	e40	532
27	84	192	155	437	628	724	1320	471	541	86	e44	383
28	82	199	137	373	1300	737	1070	396	352	75	e58	262
29	80	187	128	374	965	708	893	331	2720	73	e60	185
30	84	129	120	557	---	563	709	296	2230	e71	e70	153
31	85	---	115	666	---	511	---	233	---	e69	60	---
TOTAL	4457	5695	4371	15799	15198	44439	81903	12093	18862	5522	1771	5592
MEAN	144	190	141	510	524	1434	2730	390	629	178	57.1	186
MAX	377	955	199	2190	1610	5630	14600	1470	3010	878	90	848
MIN	77	81	89	122	226	352	477	191	175	69	40	32
CFSM	.21	.28	.21	.74	.76	2.09	3.97	.57	.92	.26	.08	.27
IN.	.24	.31	.24	.86	.82	2.41	4.43	.65	1.02	.30	.10	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

MEAN	428	802	1348	2123	2511	2549	1780	1065	673	596	394	375
MAX	2996	4022	4761	6499	7419	6672	4596	3308	3203	2347	1899	1763
(WY)	1990	1958	1962	1947	1990	1980	1977	1984	1989	1967	1967	1975
MIN	77.3	112	141	176	356	592	308	211	54.0	111	57.1	66.3
(WY)	1988	1979	2000	1981	1941	1988	1986	1986	1988	1988	2000	1987

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	360992		215702			
ANNUAL MEAN	989		589		1214	
HIGHEST ANNUAL MEAN					2147	1990
LOWEST ANNUAL MEAN					392	1988
HIGHEST DAILY MEAN	9800	May 8	14600	Apr 6	32800	Feb 18 1990
LOWEST DAILY MEAN	47	Sep 17	32	Sep 17	12	Jul 24 1986
ANNUAL SEVEN-DAY MINIMUM	55	Sep 15	38	Sep 14	24	Aug 29 1987
INSTANTANEOUS PEAK FLOW			15000	Apr 6	36800	Feb 17 1990
INSTANTANEOUS PEAK STAGE			21.90	Apr 6	30.20	Mar 30 1951
ANNUAL RUNOFF (CFSM)	1.44		.86		1.77	
ANNUAL RUNOFF (INCHES)	19.55		11.68		24.02	
10 PERCENT EXCEEDS	2200		1110		2800	
50 PERCENT EXCEEDS	413		230		541	
90 PERCENT EXCEEDS	86		70		144	

STATISTICS COMPUTED BY: gabailey DATE: 08/21/2001 AT: 09:55:54

e Estimated