02387000 CONASAUGA RIVER AT TILTON, GA

Coosa-Tallapoosa Basin
Conasauga Subbasin

LOCATION.--Lat 34°40′00″, long 84°55′42″ referenced to North American Datum of 1927, Whitfield County, GA, Hydrologic Unit 03150101, on left bank 250.0 feet downstream from Tilton Road Bridge, 0.6 mi downstream from confluence with Swamp Creek, 2.7 mi upstream from confluence with Howell Creek, 12.0 mi upstream from confluence with Coosawattee River, and 0.5 mi northeast of Tilton.

DRAINAGE AREA.--687 mi^2.

SURFACE-WATER RECORDS

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

Gage-height: October 1998 to current year.

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

GAGE.--Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 622.28 feet above National Geodetic Vertical Datum (NGVD) of 1929 (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.

COOPERATION.--U.S. Army Corps of Engineers, Mobile District; Georgia Department of Natural Resources, Environmental Protection Division.

REMARKS.--Discharge records fair, except for days of estimated discharge, which are poor. Gage-height records fair. Flow affected by withdrawals and return flow by the City of Dalton.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 1	0745	*11,400	*18.94
Dec 9	0915	7,960	15.13
Dec 24	1500	7,430	14.45
Jan 12	2330	5,040	11.22
Jan 19	2045	7,380	14.39
Jan 24	1530	5,520	11.97
Jan 28	0445	5,000	11.17

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 02387000, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/02387000.2012.pdf

02387000 CONASAUGA RIVER AT TILTON, GA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	163	243	10,800	1,200	1,480	690	1,550	238	296	77	83	63
2	156	209	3,630	1,110	3,850	688	937	215	256	77	177	78
3	157	203	1,320	986	3,480	1,340	769	201	199	69	342	181
4	138	281	1,050	831	2,080	2,520	636	212	225	61	339	307
5	125	354	898	771	2,700	1,640	577	258	248	113	200	320
6	116	360	1,060	754	2,860	1,070	718	249	243	91	224	215
7	114	294	4,810	720	1,910	825	1,000	288	215	75	170	142
8	114	257	7,190	928	1,500	738	663	215	175	68	147	112
9	118	225	7,620	1,230	1,270	2,390	565	229	159	71	209	107
10	123	221	3,390	1,110	1,140	4,450	477	290	167	164	242	100
11	126	221	1,680	1,980	1,050	2,370	434	237	226	260	268	86
12	188	225	1,310	4,570	951	1,530	406	193	366	159	306	73
13	540	222	1,100	4,200	863	1,280	413	460	313	302	303	67
14	300	206	954	2,350	821	1,100	395	778	254	226	352	63
15	228	201	856	1,700	824	950	384	856	195	207	349	62
16	220	655	885	1,350	809	1,350	372	653	172	184	300	64
17	194	2,560	1,260	1,220	826	3,430	363	478	156	140	162	100
18	150	2,440	1,240	4,470	785	4,460	375	299	149	141	139	1,260
19	1,390	988	917	6,900	867	3,260	399	244	138	257	327	2,410
20	3,720	688	817	4,620	1,950	1,860	408	258	120	243	431	1,260
21	1,840	556	1,170	3,140	1,610	1,440	371	281	105	224	319	476
22	650	479	3,150	4,400	1,130	1,150	340	343	108	604	184	308
23	464	1,220	6,350	4,310	1,160	1,090	315	447	124	620	125	191
24	371	1,570	7,230	5,220	1,210	1,180	e292	336	237	345	102	140
25	290	991	3,970	4,010	1,010	1,220	e277	273	153	232	92	117
26	250	687	1,880	2,320	818	1,020	e298	231	114	164	82	102
27	220	707	2,760	3,960	716	881	274	202	91	125	91	90
28	196	5,680	3,990	4,760	687	737	281	188	79	105	87	83
29	228	8,720	2,660	2,970	665	669	276	180	73	98	74	100
30	252	10,300	1,820	1,930	---	668	260	508	73	88	66	100
31	280	---	1,430	1,540	---	1,750	---	435	---	72	66	---
Total	13,421	41,963	89,197	81,560	41,022	49,746	14,825	10,275	5,429	5,662	6,358	8,777
Mean	433	1,399	2,877	2,631	1,415	1,605	494	331	181	183	205	293
Max	3,720	10,300	10,800	6,900	3,850	4,460	1,550	856	366	620	431	2,410
Min	114	201	817	720	665	668	260	180	73	61	66	62
Cfsm	0.63	2.04	4.19	3.83	2.06	2.34	0.72	0.48	0.26	0.27	0.30	0.43
In.	0.73	2.27	4.83	4.42	2.22	2.69	0.80	0.56	0.29	0.31	0.34	0.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2012, BY WATER YEAR (WY)

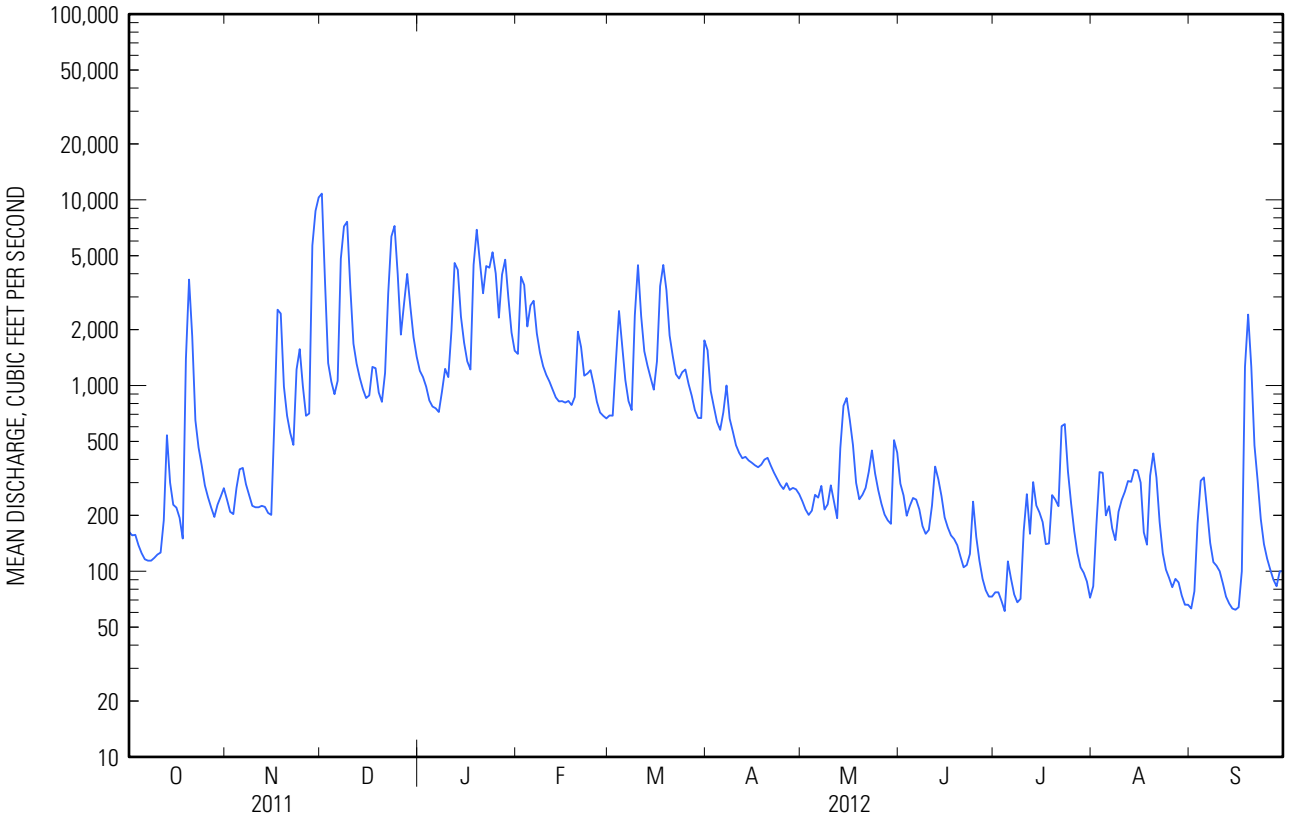
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	418	834	1,398	2,042	2,367	2,425	1,702	1,090	640	603	387	439
Max	2,996	4,022	4,761	6,499	7,419	6,672	4,596	5,983	3,203	2,482	1,899	2,814
(WY)	(1990)	(1958)	(1962)	(1947)	(1990)	(1980)	(1977)	(2003)	(1989)	(2003)	(1967)	(2004)
Min	63.5	112	141	176	356	592	308	149	54.0	111	45.7	66.3
(WY)	(2008)	(1979)	(2000)	(1981)	(1941)	(1988)	(1986)	(2007)	(1988)	(1988)	(2007)	(1987)

02387000 CONASAUGA RIVER AT TILTON, GA—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1937 - 2012	
Annual total	472,532		368,235			
Annual mean	1,295		1,006		1,190	
Highest annual mean					2,147	1990
Lowest annual mean					377	2007
Highest daily mean	12,700	Mar 12	10,800	Dec 1	32,800	Feb 18, 1990
Lowest daily mean	15	Sep 2	61	Jul 4	9.4	Aug 25, 2007
Annual seven-day minimum	24	Aug 27	73	Jun 28	13	Aug 20, 2007
Maximum peak flow			11,400	Dec 1	[a]36,800	Feb 17, 1990
Maximum peak stage			18.94	Dec 1	[b]30.20	Mar 30, 1951
Annual runoff (cfsm)	1.88		1.46		1.73	
Annual runoff (inches)	25.59		19.94		23.54	
10 percent exceeds	4,050		2,720		2,740	
50 percent exceeds	438		353		538	
90 percent exceeds	106		100		136	

[a] Gage-height 29.89 feet.
[b] Backwater from the Coosawattee River.

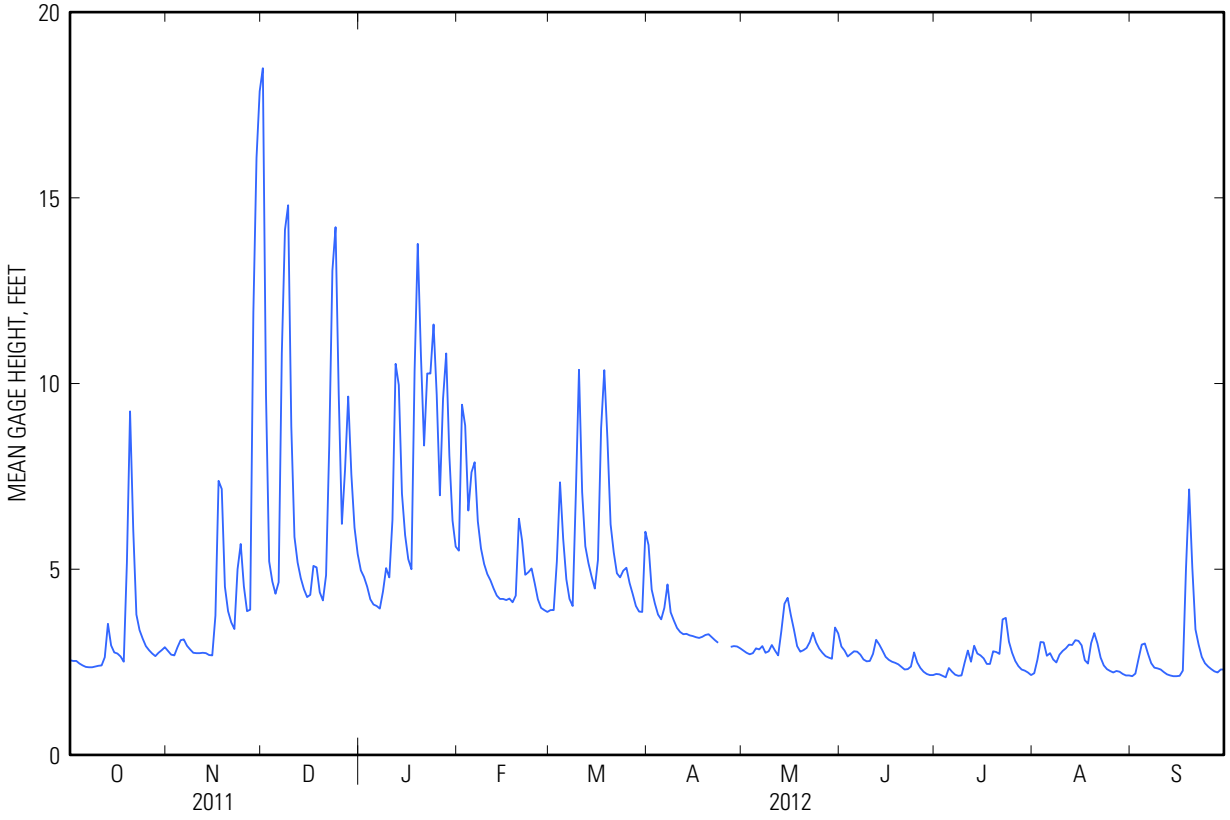


02387000 CONASAUGA RIVER AT TILTON, GA—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.55	2.80	18.49	4.97	5.50	3.90	5.65	2.81	2.92	2.18	2.20	2.12
2	2.53	2.70	9.69	4.79	9.43	3.90	4.45	2.75	2.81	2.17	2.56	2.19
3	2.53	2.68	5.21	4.53	8.87	5.21	4.08	2.71	2.65	2.13	3.04	2.59
4	2.46	2.90	4.67	4.19	6.58	7.34	3.78	2.74	2.72	2.09	3.03	2.97
5	2.41	3.09	4.34	4.05	7.61	5.82	3.65	2.87	2.79	2.34	2.67	3.00
6	2.37	3.11	4.65	4.01	7.88	4.73	3.96	2.84	2.78	2.24	2.74	2.72
7	2.36	2.94	10.81	3.94	6.29	4.20	4.59	2.93	2.70	2.16	2.57	2.47
8	2.36	2.84	14.14	4.40	5.56	4.01	3.84	2.75	2.57	2.13	2.49	2.35
9	2.38	2.75	14.80	5.03	5.14	7.01	3.62	2.79	2.52	2.14	2.70	2.33
10	2.40	2.74	8.85	4.78	4.87	10.37	3.42	2.96	2.53	2.49	2.80	2.30
11	2.41	2.74	5.87	6.33	4.70	7.08	3.31	2.81	2.72	2.81	2.87	2.23
12	2.63	2.75	5.18	10.53	4.48	5.62	3.25	2.68	3.10	2.51	2.97	2.17
13	3.53	2.74	4.76	9.96	4.29	5.16	3.26	3.33	2.97	2.94	2.96	2.14
14	2.95	2.69	4.46	7.04	4.20	4.80	3.22	4.07	2.81	2.73	3.09	2.12
15	2.76	2.68	4.25	5.92	4.20	4.48	3.20	4.23	2.64	2.68	3.07	2.12
16	2.73	3.75	4.31	5.27	4.17	5.25	3.17	3.77	2.56	2.60	2.95	2.13
17	2.65	7.38	5.09	5.00	4.21	8.80	3.15	3.37	2.51	2.45	2.55	2.27
18	2.51	7.16	5.05	10.34	4.11	10.36	3.18	2.93	2.48	2.45	2.46	5.01
19	5.18	4.53	4.38	13.76	4.29	8.50	3.23	2.78	2.44	2.79	3.01	7.15
20	9.25	3.87	4.16	10.77	6.36	6.21	3.25	2.82	2.37	2.77	3.28	5.05
21	6.08	3.57	4.84	8.33	5.77	5.45	3.17	2.88	2.30	2.72	3.00	3.38
22	3.78	3.39	8.33	10.27	4.85	4.89	3.09	3.04	2.31	3.65	2.62	2.97
23	3.36	5.00	13.04	10.27	4.92	4.78	3.02	3.29	2.38	3.69	2.41	2.64
24	3.13	5.68	14.21	11.59	5.02	4.96	---	3.03	2.76	3.05	2.31	2.47
25	2.93	4.54	9.72	9.69	4.62	5.04	---	2.86	2.49	2.75	2.26	2.38
26	2.82	3.87	6.22	6.99	4.19	4.63	---	2.75	2.34	2.53	2.22	2.31
27	2.73	3.91	7.68	9.59	3.96	4.33	2.91	2.66	2.24	2.39	2.26	2.25
28	2.66	11.91	9.65	10.81	3.90	4.01	2.93	2.62	2.18	2.30	2.24	2.22
29	2.75	16.08	7.55	8.06	3.85	3.86	2.92	2.59	2.15	2.27	2.18	2.30
30	2.82	17.87	6.12	6.31	---	3.85	2.87	3.43	2.15	2.22	2.14	2.30
31	2.90	---	5.41	5.61	---	6.01	---	3.27	---	2.15	2.14	---
Mean	3.13	4.82	7.61	7.33	5.30	5.63	---	3.01	2.56	2.53	2.64	2.75
Max	9.25	17.87	18.49	13.76	9.43	10.37	---	4.23	3.10	3.69	3.28	7.15
Min	2.36	2.68	4.16	3.94	3.85	3.85	---	2.59	2.15	2.09	2.14	2.12

02387000 CONASAUGA RIVER AT TILTON, GA—Continued



02387000 CONASAUGA RIVER AT TILTON, GA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1941, October 1942 to September 1943, June 1957 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to January 2007.
pH: October 1975 to January 2007.
WATER TEMPERATURE: February 1975 to January 2007.
DISSOLVED OXYGEN: October 1975 to January 2007.

REMARKS.--Analyzing agency is represented by the five-digit code listed under USGS Water Science Center special parameter code 99920. Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

COOPERATION.--Georgia Department of Natural Resources, Environmental Protection Division.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 680 microsiemens, October 17, 1993; minimum recorded, 34 mcirosiemens, March 23, 1980.
pH: Maximum recorded, 10.7 units, February 13, 1988; minimum recorded, 5.9 units, September 28, 29 1979.
WATER TEMPERATURE: Maximum recorded, 33.0 °C, July 23, 1986; minimum recorded, 0.0 °C, on several days.
DISSOLVED OXYGEN: Maximum recorded, 17.9 mg/L, October 12, 2000; minimum recorded, 0.0 mg/L, December 14, 2001.

02387000 CONASAUGA RIVER AT TILTON, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 3

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; USGS-WRD, U.S. Geological Survey-Water Resources Discipline; <, less than; EST, Eastern Standard Time]

Date	Sample start time	Sample time datum	Collecting agency cd	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Discharge, instanta-neous, ft^3/s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)
10-04-2011	**0850**	EST	USGS-WRD	755	11.5	140	9.9	101	8.3	8.0
11-08-2011	**0850**	EST	USGS-WRD	755	11.8	262	10.1	92	7.6	8.1
11-08-2011	**0855**	EST	USGS-WRD	755	11.8	262	10.1	92	7.6	--
11-16-2011	**0945**	EST	USGS-WRD	743	12.6	450	8.8	88	6.9	--
11-29-2011	**1005**	EST	USGS-WRD	744	4.5	8,590	8.2	78	7.0	--
12-06-2011	**0910**	EST	USGS-WRD	747	15.9	823	10.1	95	7.6	8.0
12-06-2011	**0915**	EST	USGS-WRD	747	15.9	823	10.1	95	7.6	--
01-18-2012	**1030**	EST	USGS-WRD	753	3.5	4,260	10.5	93	6.9	7.7
02-15-2012	**1010**	EST	USGS-WRD	753	8.8	828	12.1	99	7.1	7.8
02-15-2012	**1015**	EST	USGS-WRD	753	8.8	828	12.1	99	7.1	--
02-29-2012	**0945**	EST	USGS-WRD	750	16.9	665	10.5	101	7.2	--
03-06-2012	**1035**	EST	USGS-WRD	762	10.6	1,080	10.7	95	7.2	--
03-13-2012	**0820**	EST	USGS-WRD	753	16.2	1,310	11.2	109	7.5	7.7
03-13-2012	**0825**	EST	USGS-WRD	753	16.2	1,300	11.2	109	7.5	--
04-17-2012	**0910**	EST	USGS-WRD	751	22.1	362	9.0	96	7.6	6.9
05-17-2012	**0850**	EST	USGS-WRD	746	20.7	502	7.7	88	7.4	6.8
06-21-2012	**1000**	EST	USGS-WRD	748	26.9	105	7.0	90	7.8	8.2
06-21-2012	**1005**	EST	USGS-WRD	748	26.9	105	7.0	90	7.8	--
07-05-2012	**0835**	EST	USGS-WRD	747	27.4	108	5.7	74	7.7	--
07-12-2012	**0835**	EST	USGS-WRD	748	23.1	134	5.1	64	7.1	--
07-19-2012	**0830**	EST	USGS-WRD	749	24.7	148	5.3	68	7.3	7.9
07-19-2012	**0835**	EST	USGS-WRD	749	24.7	149	5.3	68	7.3	--
08-08-2012	**0840**	EST	USGS-WRD	747	26.3	135	6.1	79	7.3	7.9
08-08-2012	**0845**	EST	USGS-WRD	747	26.3	135	6.1	79	7.3	--
08-15-2012	**0835**	EST	USGS-WRD	746	23.5	273	6.6	79	7.1	--
08-30-2012	**0925**	EST	USGS-WRD	748	26.4	66	6.4	81	7.0	--
09-05-2012	**0900**	EST	USGS-WRD	745	28.5	348	6.0	74	7.3	7.9
09-05-2012	**0905**	EST	USGS-WRD	745	28.5	349	6.0	74	7.3	--

02387000 CONASAUGA RIVER AT TILTON, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 2 of 3

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; USGS-WRD, U.S. Geological Survey-Water Resources Discipline; <, less than; EST, Eastern Standard Time]

Date	Sample start time	Specific conductance, water, unfiltered, laboratory, µS/cm at 25°C (90095)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Biochemical oxygen demand, water, unfiltered, 5 days at 20°C, mg/L (00310)	Hardness, water, mg/L as $CaCO_3$ (00900)	Suspended solids, water, unfiltered, mg/L (00530)	Turbidity, water, unfiltered, laboratory, nephelometric turbidity units (82079)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as $CaCO_3$ (00417)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)
10-04-2011	0850	220	222	16.0	< 2.0	98	4.2	5.1	100	0.260
11-08-2011	0850	210	212	10.8	< 2.0	100	4.6	5.4	93	.250
11-08-2011	0855	--	212	10.8	--	--	--	--	--	--
11-16-2011	0945	--	214	14.8	--	--	--	--	--	--
11-29-2011	1005	--	98	12.5	--	--	--	--	--	--
12-06-2011	0910	160	162	11.8	< 2.0	74	11	12	69	< .200
12-06-2011	0915	--	162	11.8	--	--	--	--	--	--
01-18-2012	1030	130	121	9.2	< 2.0	54	140	120	53	.760
02-15-2012	1010	170	164	6.5	< 2.0	75	3.4	3.8	68	< .200
02-15-2012	1015	--	164	6.5	--	--	--	--	--	--
02-29-2012	0945	--	167	13.2	--	--	--	--	--	--
03-06-2012	1035	--	122	10.2	--	--	--	--	--	--
03-13-2012	0820	130	126	13.4	< 2.0	56	18	11	54	.210
03-13-2012	0825	--	126	13.4	--	--	--	--	--	--
04-17-2012	0910	180	176	18.1	< 2.0	83	12	5.5	83	< .200
05-17-2012	0850	170	174	20.6	< 2.0	82	32	15	76	< .200
06-21-2012	1000	230	206	27.2	< 2.0	86	24	14	93	< .200
06-21-2012	1005	--	206	27.2	--	--	--	--	--	--
07-05-2012	0835	--	234	28.0	--	--	--	--	--	--
07-12-2012	0835	--	175	25.9	--	--	--	--	--	--
07-19-2012	0830	210	223	27.3	< 2.0	73	46	40	73	.630
07-19-2012	0835	--	223	27.3	--	--	--	--	--	--
08-08-2012	0840	160	181	28.1	< 2.0	73	24	13	71	.310
08-08-2012	0845	--	181	28.1	--	--	--	--	--	--
08-15-2012	0835	--	244	23.6	--	--	--	--	--	--
08-30-2012	0925	--	252	26.7	--	--	--	--	--	--
09-05-2012	0900	240	240	24.7	< 2.0	87	37	14	81	.460
09-05-2012	0905	--	240	24.7	--	--	--	--	--	--

02387000 CONASAUGA RIVER AT TILTON, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 3 of 3

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; USGS-WRD, U.S. Geological Survey-Water Resources Discipline; <, less than; EST, Eastern Standard Time]

Date	Sample start time	Ammonia, water, unfiltered, mg/L as N (00610)	Nitrate plus nitrite, water, unfiltered, mg/L as N (00630)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)	Fecal coliform, EC broth method, water, MPN/100 mL (31615)	Organic carbon, water, unfiltered, mg/L (00680)	USGS Water Science Center special 99920 (99920)
10-04-2011	**0850**	< .030	0.040	< .0400	0.05	--	2.5	81341
11-08-2011	**0850**	< .030	.100	< .0400	.04	--	2.1	81341
11-08-2011	**0855**	--	--	--	--	20	--	81341
11-16-2011	**0945**	--	--	--	--	3,000	--	81341
11-29-2011	**1005**	--	--	--	--	11,000	--	81341
12-06-2011	**0910**	< .030	.570	< .0400	.06	--	2.4	81341
12-06-2011	**0915**	--	--	--	--	80	--	81341
01-18-2012	**1030**	< .030	.330	< .0400	.18	--	4.6	81341
02-15-2012	**1010**	< .030	.450	< .0400	.04	--	1.5	81341
02-15-2012	**1015**	--	--	--	--	40	--	81341
02-29-2012	**0945**	--	--	--	--	20	--	81341
03-06-2012	**1035**	--	--	--	--	500	--	81341
03-13-2012	**0820**	< .030	.280	< .0400	.06	--	3.2	81341
03-13-2012	**0825**	--	--	--	--	170	--	81341
04-17-2012	**0910**	< .030	.260	< .0400	.04	--	2.1	81341
05-17-2012	**0850**	< .030	.340	< .0400	.08	--	3.5	81341
06-21-2012	**1000**	< .030	.040	< .0400	.08	--	1.7	81341
06-21-2012	**1005**	--	--	--	--	30	--	81341
07-05-2012	**0835**	--	--	--	--	300	--	81341
07-12-2012	**0835**	--	--	--	--	130	--	81341
07-19-2012	**0830**	< .030	.130	.1000	.21	--	5.8	81341
07-19-2012	**0835**	--	--	--	--	1,100	--	81341
08-08-2012	**0840**	< .030	.170	.0400	.09	--	3.4	81341
08-08-2012	**0845**	--	--	--	--	80	--	81341
08-15-2012	**0835**	--	--	--	--	270	--	81341
08-30-2012	**0925**	--	--	--	--	110	--	81341
09-05-2012	**0900**	< .030	.180	.0800	.16	--	5.2	81341
09-05-2012	**0905**	--	--	--	--	800	--	81341