Water-Data Report 2013

02384750 CONASAUGA RIVER, NEAR DALTON, GA

Coosa-Tallapoosa Basin
Conasauga Subbasin

LOCATION.--Lat 34°47′00″, long 84°52′23″ referenced to North American Datum of 1927, Whitfield County, GA, Hydrologic Unit 03150101, at the bridge on US Highway 76, 4.5 mi upstream from confluence with Town Branch, 3.4 mi downstream from confluence with Mill Creek, and 5.5 miles east of Dalton.

DRAINAGE AREA.--308.00 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to February 1994, April 1995 to current year.

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. Laboratory analyses with analyzing agency code 81330 are by the Agricultural and Environmental Services Laboratories, University of Georgia, Athens, GA. 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.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 02384750, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02384750.2013.pdf

02384750 CONASAUGA RIVER, NEAR DALTON, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

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; 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)	Temperature, air, °C (00020)	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)	Specific conductance, water, unfiltered, laboratory, µS/cm at 25°C (90095)
10-02-2012	**1020**	EST	USGS-WRD	741	20.8	7.3	83	7.5	7.1	150
11-06-2012	**1020**	EST	USGS-WRD	745	10.8	10.1	94	7.7	7.5	130
11-06-2012	**1025**	EST	USGS-WRD	745	10.8	10.1	94	7.7	--	--
11-15-2012	**1105**	EST	USGS-WRD	753	12.6	11.0	99	7.6	--	--
11-27-2012	**1135**	EST	USGS-WRD	751	10.5	11.6	100	7.7	--	--
12-04-2012	**1100**	EST	USGS-WRD	754	18.9	11.2	101	7.9	7.7	--
12-04-2012	**1105**	EST	USGS-WRD	754	18.9	11.2	101	7.9	--	--
01-15-2013	**1030**	EST	USGS-WRD	750	6.5	9.1	81	6.9	7.1	54
02-14-2013	**1050**	EST	USGS-WRD	748	7.6	10.5	92	7.5	7.3	120
02-14-2013	**1055**	EST	USGS-WRD	748	7.6	10.5	92	7.5	--	--
02-28-2013	**1115**	EST	USGS-WRD	745	5.3	10.3	92	7.4	--	--
03-07-2013	**1055**	EST	USGS-WRD	754	4.4	11.3	93	7.5	--	--
03-14-2013	**1150**	EST	USGS-WRD	757	5.2	10.6	91	7.5	7.5	89
03-14-2013	**1155**	EST	USGS-WRD	757	5.2	10.6	91	7.5	--	--
04-17-2013	**1040**	EST	USGS-WRD	750	26.7	8.6	92	7.4	7.8	160
05-14-2013	**1040**	EST	USGS-WRD	751	22.2	9.6	97	7.5	7.8	100
06-19-2013	**1100**	EST	USGS-WRD	746	25.1	6.9	82	7.3	7.6	140
07-17-2013	**1020**	EST	USGS-WRD	752	29.1	7.6	90	7.4	7.5	140
07-17-2013	**1025**	EST	USGS-WRD	752	29.1	7.6	90	7.4	--	--
07-23-2013	**0935**	EST	USGS-WRD	745	26.7	7.2	88	7.4	--	--
07-30-2013	**0945**	EST	USGS-WRD	751	23.7	7.9	91	7.6	--	--
08-13-2013	**1030**	EST	USGS-WRD	746	28.5	6.8	82	7.3	6.9	140
08-13-2013	**1035**	EST	USGS-WRD	746	28.5	6.8	82	7.3	--	--
09-19-2013	**0950**	EST	USGS-WRD	750	25.9	7.8	89	7.5	7.7	160
09-19-2013	**0955**	EST	USGS-WRD	750	25.9	7.8	89	7.5	--	--
09-25-2013	**1015**	EST	USGS-WRD	743	20.0	7.9	88	7.4	--	--

02384750 CONASAUGA RIVER, NEAR DALTON, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
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; 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, 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)	Ammonia, water, unfiltered, mg/L as N (00610)
10-02-2012	**1020**	154	20.4	< 2.0	73	20	5.4	77	< .200	< .030
11-06-2012	**1020**	130	11.4	< 2.0	67	5.9	2.6	63	< .200	< .030
11-06-2012	**1025**	130	11.4	--	--	--	--	--	--	--
11-15-2012	**1105**	124	10.5	--	--	--	--	--	--	--
11-27-2012	**1135**	123	8.4	--	--	--	--	--	--	--
12-04-2012	**1100**	132	10.6	< 2.0	63	7.2	2.2	62	< .200	< .030
12-04-2012	**1105**	132	10.6	--	--	--	--	--	--	--
01-15-2013	**1030**	53	9.9	2.3	24	53	44	21	.760	< .030
02-14-2013	**1050**	111	8.8	< 2.0	52	6.9	6.9	49	< .200	< .030
02-14-2013	**1055**	111	8.8	--	--	--	--	--	--	--
02-28-2013	**1115**	85	9.4	--	--	--	--	--	--	--
03-07-2013	**1055**	90	6.8	--	--	--	--	--	--	--
03-14-2013	**1150**	87	8.4	< 2.0	41	12	7.5	37	.210	< .030
03-14-2013	**1155**	87	8.4	--	--	--	--	--	--	--
04-17-2013	**1040**	106	18.3	< 2.0	49	11	4.8	47	.250	< .030
05-14-2013	**1040**	103	15.3	< 2.0	49	9.3	8.2	47	< .200	< .030
06-19-2013	**1100**	137	22.8	< 2.0	63	29	8.6	62	.340	< .030
07-17-2013	**1020**	139	23.4	< 2.0	61	13	6.3	64	< .200	< .030
07-17-2013	**1025**	139	23.4	--	--	--	--	--	--	--
07-23-2013	**0935**	152	24.2	--	--	--	--	--	--	--
07-30-2013	**0945**	157	22.2	--	--	--	--	--	--	--
08-13-2013	**1030**	146	24.1	< 2.0	65	31	23	66	.530	< .030
08-13-2013	**1035**	146	24.1	--	--	--	--	--	--	--
09-19-2013	**0950**	161	21.2	< 2.0	81	7.0	2.3	76	< .200	.110
09-19-2013	**0955**	161	21.2	--	--	--	--	--	--	--
09-25-2013	**1015**	126	19.6	--	--	--	--	--	--	--

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Part 3 of 3

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Date	Sample start time	Nitrate plus nitrite, water, unfiltered, mg/L as N (00630)	Orthophos-phate, 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)
10-02-2012	**1020**	0.120	< .0400	0.04	--	1.8	81341
11-06-2012	**1020**	< .020	< .0400	< .02	--	2.1	81341
11-06-2012	**1025**	--	--	--	170	--	81341
11-15-2012	**1105**	--	--	--	70	--	81341
11-27-2012	**1135**	--	--	--	< 20	--	81341
12-04-2012	**1100**	< .020	< .0400	< .02	--	1.2	81341
12-04-2012	**1105**	--	--	--	80	--	81341
01-15-2013	**1030**	.120	.1100	.24	--	11.0	81341
02-14-2013	**1050**	.370	< .0400	.03	--	2.2	81341
02-14-2013	**1055**	--	--	--	20	--	81341
02-28-2013	**1115**	--	--	--	110	--	81341
03-07-2013	**1055**	--	--	--	300	--	81341
03-14-2013	**1150**	.230	< .0400	.03	--	2.0	81341
03-14-2013	**1155**	--	--	--	170	--	81341
04-17-2013	**1040**	.260	< .0400	.03	--	1.8	81341
05-14-2013	**1040**	.350	< .0400	.04	--	2.9	81341
06-19-2013	**1100**	.310	< .0400	.08	--	3.5	81341
07-17-2013	**1020**	.420	< .0400	.04	--	1.8	81341
07-17-2013	**1025**	--	--	--	300	--	81341
07-23-2013	**0935**	--	--	--	270	--	81341
07-30-2013	**0945**	--	--	--	80	--	81341
08-13-2013	**1030**	.260	.0500	.11	--	5.8	81341
08-13-2013	**1035**	--	--	--	13,000	--	81341
09-19-2013	**0950**	.210	< .0400	.02	--	1.8	81341
09-19-2013	**0955**	--	--	--	230	--	81341
09-25-2013	**1015**	--	--	--	500	--	81341