02204750 ALMOND CREEK AT GA 20, NEAR CONYERS, GA

Altamaha Basin
Upper Ocmulgee Subbasin

LOCATION.--Lat 33°36′35″, long 84°00′53″ referenced to North American Datum of 1927, Rockdale County, GA, Hydrologic Unit 03070103.

DRAINAGE AREA.--6.27 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 2002 to February 2007; August 2010 to Current Year.

REMARKS.--Hydrologic event code of 9 indicates a routine sample while j designates a storm event sample. Laboratory chemical analyses are by the US Geological Survey, National Water-Quality Laboratory in Denver, CO. Laboratory sediment analyses are by the US Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, barometric pressure and dissolved oxygen are by the US Geological Survey.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 5

[$CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; 9, Routine sample; <, less than; E, estimated; EST, Eastern Standard Time]

Date	Sample start time	Sample time datum	Hydrologic event cd	Barometric pressure, mm Hg (00025)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conduc-tance, water, unfiltered, µS/cm at 25°C (00095)	Tempera-ture, water, °C (00010)	Turbidity, water, unfiltered, mono-chrome near infra-red LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)
10-24-2011	1020	EST	9	746	8.7	6.7	237	14.0	3.9
11-30-2011	1050	EST	9	747	9.5	6.6	144	9.8	7.5
12-14-2011	0930	EST	9	751	9.8	6.9	222	9.5	4.7
01-31-2012	0925	EST	9	755	11.5	6.0	135	7.4	6.6
02-29-2012	0955	EST	9	746	8.5	6.6	89	13.7	15
03-22-2012	0830	EST	9	746	7.7	6.7	161	18.0	10
04-19-2012	0845	EST	9	743	7.8	7.0	189	16.4	13
05-30-2012	0915	EST	9	--	6.7	6.7	261	21.2	14
06-19-2012	0745	EST	9	749	7.1	7.0	336	20.3	9.5
07-09-2012	0800	EST	9	742	6.3	7.1	389	24.3	6.3
08-23-2012	0930	EST	9	748	5.6	6.9	336	23.6	5.4
09-20-2012	1030	EST	9	746	6.5	6.8	237	19.9	3.6

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 02204750, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/02204750.2012.pdf

02204750 ALMOND CREEK AT GA 20, NEAR CONYERS, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 2 of 5

[$CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; 9, Routine sample; <, less than; E, estimated; EST, Eastern Standard Time]

Date	Sample start time	Gage height, ft (00065)	Sampler type (84164)	Biochemical oxygen demand, water, unfiltered, 5 days at 20°C, mg/L (00310)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Suspended solids, water, unfiltered, mg/L (00530)	Calcium, water, unfiltered, recover-able, mg/L (00916)	Magne-sium, water, filtered, mg/L (00925)	Sodium, water, filtered, mg/L (00930)
10-24-2011	**1020**	1.20	US DH-81	9.3	153	2	11.8	4.30	20.8
11-30-2011	**1050**	1.59	US DH-81	2.7	82	8	6.94	3.27	12.1
12-14-2011	**0930**	1.30	US DH-81	< .24	135	--	12.7	5.85	16.7
01-31-2012	**0925**	.38	Grab sample	E 1.3	109	2	8.3	3.28	10.0
02-29-2012	**0955**	1.51	US DH-81	E 2.1	63	3	5.7	1.59	6.51
03-22-2012	**0830**	1.32	Grab sample	3.1	106	16	10.1	3.67	12.3
04-19-2012	**0845**	1.20	US DH-81	< .24	111	21	11.3	4.50	16.0
05-30-2012	**0915**	1.12	US DH-81	22	182	44	15.4	3.48	26.9
06-19-2012	**0745**	1.10	US DH-81 Teflon	E 1.9	219	44	14.2	10.1	32.9
07-09-2012	**0800**	1.08	US DH-81	--	240	13	22.4	7.75	34.1
08-23-2012	**0930**	1.06	US DH-81	E 1.7	216	E 4	18.4	6.87	33.0
09-20-2012	**1030**	--	US DH-81	E 2.4	--	E 2	--	--	--

02204750 ALMOND CREEK AT GA 20, NEAR CONYERS, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 3 of 5

[$CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; 9, Routine sample; <, less than; E, estimated; EST, Eastern Standard Time]

Date	Sample start time	Alkalinity, water, filtered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as $CaCO_3$ (29801)	Chloride, water, filtered, mg/L (00940)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as NH4 (71846)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, mg/L as N (00613)
10-24-2011	**1020**	15.6	22.2	0.40	0.51	0.027	0.021	7.71	7.70	0.006
11-30-2011	**1050**	13.7	12.9	.51	.46	.055	.042	3.74	3.73	.006
12-14-2011	**0930**	33.2	16.9	.67	.89	.451	.350	5.65	5.58	.068
01-31-2012	**0925**	22	11.0	.28	.36	< .013	< .010	2.71	2.70	.003
02-29-2012	**0955**	18	--	.25	.35	.040	.031	1.07	1.06	.003
03-22-2012	**0830**	26.3	13.0	.43	.49	.085	.066	4.05	4.03	.018
04-19-2012	**0845**	34.0	16.9	.50	.51	.128	.099	3.62	3.59	.040
05-30-2012	**0915**	18.9	23.4	.41	.53	< .013	< .010	5.54	5.53	.008
06-19-2012	**0745**	31.1	29.1	.56	.71	.091	.071	8.24	8.23	.007
07-09-2012	**0800**	38.9	35.9	.57	.65	.037	.028	8.61	8.59	.012
08-23-2012	**0930**	29.6	33.4	.64	.65	.157	.122	7.95	7.73	.220
09-20-2012	**1030**	--	--	.64	.59	.118	.092	5.73	5.64	.090

02204750 ALMOND CREEK AT GA 20, NEAR CONYERS, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 4 of 5

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Date	Sample start time	Organic nitrogen, water, unfiltered, mg/L (00605)	Orthophosphate, water, filtered, mg/L (00660)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, mg/L (00602)	Total nitrogen, water, unfiltered, mg/L (00600)	Escherichia coli, Defined Substrate Technology, water, MPN/100 mL (50468)
10-24-2011	**1020**	0.49	0.045	0.015	0.021	0.058	8.1	8.2	97
11-30-2011	**1050**	.41	.052	.017	.025	.053	4.2	4.2	150
12-14-2011	**0930**	.54	.030	.010	.017	.047	6.3	6.5	290
01-31-2012	**0925**	< .36	< .012	< .004	.015	.035	3.0	3.1	100
02-29-2012	**0955**	.32	.023	.007	.015	.049	1.3	1.4	280
03-22-2012	**0830**	.43	.047	.015	.028	.060	4.5	4.5	230
04-19-2012	**0845**	.41	.084	.027	.040	.088	4.1	4.1	280
05-30-2012	**0915**	< .53	.048	.016	.023	.057	5.9	6.1	590
06-19-2012	**0745**	.64	.086	.028	.050	.128	8.8	8.9	120
07-09-2012	**0800**	.62	.103	.034	.046	.081	9.2	9.3	370
08-23-2012	**0930**	.53	.129	.042	.058	.083	8.6	8.6	650
09-20-2012	**1030**	.50	.105	.034	.051	.073	6.4	6.3	2,600

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 5 of 5

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Date	Sample start time	Fecal coliform, M-FC MF (0.7 micron) method, water, col/100 mL (31625)	Total coliform, Defined Substrate Tech-nology, water, MPN/100 mL (50569)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concen-tration, mg/L (80154)
10-24-2011	**1020**	110	4,300	98	14
11-30-2011	**1050**	94	5,900	99	5
12-14-2011	**0930**	200	2,200	--	--
01-31-2012	**0925**	79	1,600	95	7
02-29-2012	**0955**	220	4,300	96	9
03-22-2012	**0830**	180	3,100	95	13
04-19-2012	**0845**	240	3,800	91	12
05-30-2012	**0915**	530	5,200	77	15
06-19-2012	**0745**	170	5,200	83	57
07-09-2012	**0800**	220	25,000	88	14
08-23-2012	**0930**	690	30,000	--	--
09-20-2012	**1030**	1,400	18,000	90	6