02396001 ETOWAH RIVER AT TURNER MCCALL BLVD, AT ROME, GA

Mobile River Basin

LOCATION.--Lat 34°15′15″, long 85°09′51″ referenced to North American Datum of 1927, Floyd County, Hydrologic Unit 03150104, at bridge on Turner McCall Boulevard, 1.2 miles upstream of Coosa River, and, at Rome.

DRAINAGE AREA.--1819 mi^2.

WATER-QUALITY RECORDS

COOPERATION.--Georgia Environmental Protection Division (GAEPD).

PERIOD OF RECORD.--January 2001 to December 2001, June 2005 to September 2005.

REMARKS.--Laboratory analyses with analyzing agency code 80020 are by the U.S. Geological Survey National Water Quality Laboratory, Denver, Colorado; laboratory analyses with analyzing agency code 81330 are by the Agricultural and Environmental Services Laboratory, College of Agricultural and Environmental Sciences, The University of Georgia, Athens, Georgia. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, Dissolved Oxygen, Turbidity, and Total Chlorophyll are by the U.S. Geological Survey.

02396001 ETOWAH RIVER AT TURNER MCCALL BLVD, AT ROME, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 1 of 3

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; I, sample lab preparation problem.]

Date	Time	Time Datum	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbdty white light, det ang 90+/-30 degrees NTU (63675)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)
Jun													
14...	1010	EST	1028	80020	2,130	--	34	--	752	2.3	8.6	103	7.7
14...	1011	EST	1028	81330	2,130	--	--	--	752	--	8.6	103	7.7
14...	1015	EST	1028	81330	2,100	--	--	--	752	--	8.6	103	7.7
22...	1600	EST	1028	80020	820	--	2.6	4.6	754	.4	9.5	115	8.4
22...	1601	EST	1028	81330	820	--	--	4.6	754	--	9.5	115	8.4
22...	1605	EST	1028	81330	817	--	--	4.6	754	--	9.5	115	8.4
30...	0740	EST	1028	80020	5,550	--	14	32	753	4.1	7.7	87	7.1
30...	0741	EST	1028	81330	5,550	--	--	32	753	--	7.7	87	7.1
30...	0745	EST	1028	81330	5,510	--	--	32	753	--	7.7	87	7.1
Jul													
14...	1215	EST	1028	80020	4,900	--	66	82	752	5.0	7.1	83	7.0
14...	1216	EST	1028	81330	4,900	--	--	82	752	--	7.1	83	7.0
14...	1220	EST	1028	81330	4,810	--	--	82	752	--	7.1	83	7.0
21...	1200	EST	1028	80020	7,520	--	22	27	757	4.8	7.2	86	7.0
21...	1201	EST	1028	81330	7,520	--	--	27	757	--	7.2	86	7.0
26...	0915	EST	1028	80020	E7,350	--	18	23	755	4.6	7.0	84	7.0
26...	0916	EST	1028	81330	E7,350	--	--	23	755	--	7.0	84	7.0
Aug													
03...	0930	EST	1028	80020	E4,270	--	26	29	755	4.0	6.6	79	7.1
03...	0931	EST	1028	81330	E4,270	--	--	29	755	--	6.6	79	7.1
17...	1205	EST	1028	80020	1,670	--	14	17	755	1.2	7.4	98	7.8
17...	1206	EST	1028	81330	1,670	--	--	17	755	--	7.4	98	7.8
17...	1210	EST	1028	81330	1,640	--	--	17	755	--	7.4	98	7.8
Sep													
08...	1130	EST	1028	81330	1,360	7.6	--	7.1	757	--	7.5	90	7.6
08...	1135	EST	1028	81330	1,340	--	--	7.1	757	--	7.5	90	7.6
14...	1445	EST	1028	81330	813	<5.0	--	4.0	754	--	8.4	103	7.8
14...	1450	EST	1028	81330	804	--	--	4.0	754	--	8.4	103	7.8
21...	1200	EST	1028	81330	1,110	9.8	--	9.0	757	--	7.4	89	7.5
21...	1205	EST	1028	81330	1,100	--	--	9.0	757	--	7.4	89	7.5
28...	1040	EST	1028	81330	1,970	12	--	14	755	--	7.1	86	7.5
28...	1045	EST	1028	81330	1,930	--	--	14	755	--	7.1	86	7.5

02396001 ETOWAH RIVER AT TURNER MCCALL BLVD, AT ROME, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 2 of 3

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; I, sample lab preparation problem.]

Date	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water unfltrd mg/L (71845)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Total nitro-gen, water, unfltrd mg/L (00600)
Jun													
14...	7.7	134	145	28.7	23.8	59@c	50	.34	.06	.05	.835	.29	1.2
14...	--	--	145	28.7	23.8	--	--	--	--	--	--	--	--
14...	--	--	145	28.7	23.8	--	--	--	--	--	--	--	--
22...	8.2	112	123	31.5	24.1	52@c	<10	.17	.02	.01	.500	.15	.67
22...	--	--	123	31.5	24.1	--	--	--	--	--	--	--	--
22...	--	--	123	31.5	24.1	--	--	--	--	--	--	--	--
30...	7.3	75	79	26.0	20.8	28@c	47	.29	.02	.02	.560	.27	.85
30...	--	--	79	26.0	20.8	--	--	--	--	--	--	--	--
30...	--	--	79	26.0	20.8	--	--	--	--	--	--	--	--
Jul													
14...	7.4	73	79	32.2	22.2	29@c	92	.38	.08	.06	.402	.32	.78
14...	--	--	79	32.2	22.2	--	--	--	--	--	--	--	--
14...	--	--	79	32.2	22.2	--	--	--	--	--	--	--	--
21...	7.4	71	74	31.5	23.6	27@c	27	.34	.09	.07	.395	.26	.73
21...	--	--	74	31.5	23.6	--	--	--	--	--	--	--	--
26...	7.7	65	69	28.6	24.0	24@c	25	.25	.08	.06	.375	.19	.62
26...	--	--	69	28.6	24.0	--	--	--	--	--	--	--	--
Aug													
03...	7.5	67	70	26.1	23.9	24@c	44	.29	.09	.07	.360	.22	.65
03...	--	--	70	26.1	23.9	--	--	--	--	--	--	--	--
17...	7.5	97	105	35.5	29.9	39@c	15	.29	.03	.03	.532	.26	.82
17...	--	--	105	35.5	29.9	--	--	--	--	--	--	--	--
17...	--	--	105	35.5	29.9	--	--	--	--	--	--	--	--
Sep													
08...	--	--	134	31.9	23.8	--	--	.97	--	<.020	.660	--	1.6
08...	--	--	134	31.9	23.8	--	--	--	--	--	--	--	--
14...	--	--	121	29.4	25.0	--	--	.66	--	<.020	.420	--	1.1
14...	--	--	121	29.4	25.0	--	--	--	--	--	--	--	--
21...	--	--	118	28.1	24.3	--	--	.22	.06	.050	.510	.17	.73
21...	--	--	118	28.1	24.3	--	--	--	--	--	--	--	--
28...	--	--	128	32.5	24.4	--	--	.41	.04	.030	.590	.38	1.0
28...	--	--	128	32.5	24.4	--	--	--	--	--	--	--	--

02396001 ETOWAH RIVER AT TURNER MCCALL BLVD, AT ROME, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 3 of 3

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Date	Total nitrogen, water, unfltrd mg/L as NO3 (71887)	Orthophosphate, water, fltrd, mg/L (00660)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, A1broth water, MPN/100mL (31621)	Chlorophyll, tot, wt 650-700 nm, in-situ ug/L (62361)
Jun							
14...	5.2	.205	.147	5.8	--	--	17.7
14...	--	--	--	--	<2.0	--	17.7
14...	--	--	--	--	--	800	17.7
22...	3.0	.080	.045	1.9	--	--	2.60
22...	--	--	--	--	<2.0	--	2.60
22...	--	--	--	--	--	110	2.60
30...	3.8	.083	.088	2.8	--	--	--
30...	--	--	--	--	<2.0	--	--
30...	--	--	--	--	--	230	--
Jul							
14...	3.5	--	.109	4.7	--	--	8.20
14...	--	--	--	--	<2.0	--	8.20
14...	--	--	--	--	--	500	8.20
21...	3.2	.067	.067	3.8	--	--	7.90
21...	--	--	--	--	<2.0	--	7.90
26...	2.8	--	.053	4.1	--	--	7.50
26...	--	--	--	--	<2.0	--	7.50
Aug							
03...	2.9	--	.074	4.1	--	--	2.90
03...	--	--	--	--	<2.0	--	2.90
17...	3.6	.086	.061	3.6	--	--	--
17...	--	--	--	--	<2.0	--	--
17...	--	--	--	--	--	300	--
Sep							
08...	7.2	.158	.050l	13.9	<2.0	--	2.60
08...	--	--	--	--	--	130	2.60
14...	4.8	.084	.040	18.8	<2.0	--	.20
14...	--	--	--	--	--	130	.20
21...	3.2	.174	.280	9.0	<2.0	--	2.60
21...	--	--	--	--	--	300	2.60
28...	4.4	.199	.070	6.2	<2.0	--	1.90
28...	--	--	--	--	--	220	1.90