02395250 CONNESENA CREEK AT OLD ROME ROAD, NEAR KINGSTON, GA

Mobile River Basin

LOCATION.--Lat 34°14′09″, long 84°58′21″ referenced to North American Datum of 1927, Bartow County, Hydrologic Unit 03150104, at culvert on Old Rome Road, 0.7 miles upstream from the confluence with the Etowah River, and 1.2 miles west of Kingston.

DRAINAGE AREA.--14.4 mi^2.

WATER-QUALITY RECORDS

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

PERIOD OF RECORD.--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.

02395250 CONNESENA CREEK AT OLD ROME ROAD, NEAR KINGSTON, GA—Continued

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)
Jun												
14...	1100	EST	1028	80020	16	--	5.5	5.1	748	2.7	8.6	98
14...	1101	EST	1028	81330	16	--	--	5.1	748	--	8.6	98
14...	1105	EST	1028	81330	16	--	--	5.1	748	--	8.6	98
21...	1350	EST	1028	81330	14	--	--	4.0	753	--	8.8	101
21...	1355	EST	1028	80020	14	--	3.8	4.0	753	1.9	8.8	101
21...	1356	EST	1028	81330	14	--	--	4.0	753	--	8.8	101
29...	1325	EST	1028	81330	16	--	--	5.3	750	--	8.8	104
29...	1330	EST	1028	80020	16	--	3.7	5.3	750	2.0	8.8	104
29...	1331	EST	1028	81330	16	--	--	5.3	750	--	8.8	104
Jul												
12...	1300	EST	1028	80020	30	--	15	17	752	2.6	8.5	96
12...	1301	EST	1028	81330	30	--	--	17	752	--	8.5	96
12...	1305	EST	1028	81330	30	--	--	17	752	--	8.5	96
19...	1310	EST	1028	80020	16	--	14	--	751	2.3	12.9	152
19...	1311	EST	1028	81330	16	--	--	--	751	--	12.9	152
26...	1140	EST	1028	80020	14	--	4.0	3.8	750	2.0	9.1	106
26...	1141	EST	1028	81330	14	--	--	3.8	750	--	9.1	106
Aug												
02...	1230	EST	1028	80020	15	--	12	--	753	2.0	9.7	112
02...	1231	EST	1028	81330	15	--	--	--	753	--	9.7	112
16...	1345	EST	1028	80020	13	--	3.8	4.5	753	2.0	8.8	105
16...	1346	EST	1028	81330	13	--	--	4.5	753	--	8.8	105
Sep												
14...	1500	EST	1028	81330	27	<5.0	--	1.4	749	--	8.8	99
14...	1505	EST	1028	81330	27	--	--	1.4	749	--	8.8	99
21...	1150	EST	1028	81330	30	<5.0	--	1.0	754	--	8.2	91
21...	1155	EST	1028	81330	30	--	--	1.0	754	--	8.2	91
28...	1215	EST	1028	81330	31	<5.0	--	1.1	752	--	7.9	90
28...	1220	EST	1028	81330	31	--	--	1.1	752	--	7.9	90

02395250 CONNESENA CREEK AT OLD ROME ROAD, NEAR KINGSTON, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 2 of 3

[Remark codes: <, less than; M, presence verified but not quantified. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; n, below the LRL and above the LT-MDL.]

Date	pH, water, unfltrd field, std units (00400)	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)
Jun													
14...	8.0	8.0	229	257	29.8	21.0	132@c	<10	<.10n	.04	.03	.289	--
14...	8.0	--	--	257	29.8	21.0	--	--	--	--	--	--	--
14...	8.0	--	--	257	29.8	21.0	--	--	--	--	--	--	--
21...	8.1	--	--	256	28.3	21.1	--	--	--	--	--	--	--
21...	8.1	8.2	221	256	28.3	21.1	134@c	<10	<.10n	.02	.01	.264	--
21...	8.1	--	--	256	28.3	21.1	--	--	--	--	--	--	--
29...	8.1	--	--	251	30.9	22.6	--	--	--	--	--	--	--
29...	8.1	7.9	220	251	30.9	22.6	126@c	<10	.11	.02	.02	.250	.09
29...	8.1	--	--	251	30.9	22.6	--	--	--	--	--	--	--
Jul													
12...	7.8	7.8	140	154	28.2	20.4	76@c	13	.18	.03	.02	.221	.16
12...	7.8	--	--	154	28.2	20.4	--	--	--	--	--	--	--
12...	7.8	--	--	154	28.2	20.4	--	--	--	--	--	--	--
19...	8.0	7.7	229	234	30.0	22.5	121@c	12	.11	.02	.02	.254	.09
19...	8.0	--	--	234	30.0	22.5	--	--	--	--	--	--	--
26...	8.1	8.1	244	255	35.0	22.5	130@c	<10	<.10n	.03	.03	.254	--
26...	8.1	--	--	255	35.0	22.5	--	--	--	--	--	--	--
Aug													
02...	8.1	8.2	247	255	32.2	21.7	131@c	16	.12	.02	.02	.242	.11
02...	8.1	--	--	255	32.2	21.7	--	--	--	--	--	--	--
16...	8.1	8.0	245	267	31.8	23.7	133@c	10	<.10n	.03	.02	.224	--
16...	8.1	--	--	267	31.8	23.7	--	--	--	--	--	--	--
Sep													
14...	8.1	--	--	262	32.1	20.7	--	--	<.10	--	<.020	.120	--
14...	8.1	--	--	262	32.1	20.7	--	--	--	--	--	--	--
21...	8.0	--	--	264	31.9	20.2	--	--	.13	.05	.040	.150	.09
21...	8.0	--	--	264	31.9	20.2	--	--	--	--	--	--	--
28...	7.9	--	--	266	29.2	21.0	--	--	.27	--	<.020	.150	--
28...	7.9	--	--	266	29.2	21.0	--	--	--	--	--	--	--

02395250 CONNESENA CREEK AT OLD ROME ROAD, NEAR KINGSTON, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 3 of 3
[Remark codes: <, less than; M, presence verified but not quantified. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; n, below the LRL and above the LT-MDL.]

Date	Total nitrogen, water, unfltrd mg/L (00600)	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...	--	--	--	.010	.9	--	--	.50
14...	--	--	--	--	--	<2.0	--	.50
14...	--	--	--	--	--	--	80	.50
21...	--	--	--	--	--	--	80	.80
21...	--	--	--	.007	1.3	--	--	.80
21...	--	--	--	--	--	<2.0	--	.80
29...	--	--	--	--	--	--	170	.40
29...	.36	1.6	--	.009	1.3	--	--	.40
29...	--	--	--	--	--	3.3	--	.40
Jul								
12...	.40	1.8	--	.029	3.6	--	--	3.00
12...	--	--	--	--	--	<2.0	--	3.00
12...	--	--	--	--	--	--	300	3.00
19...	.36	1.6	--	.015	4.0	--	--	--
19...	--	--	--	--	--	<2.0	--	--
26...	--	--	--	.012	1.0	--	--	--
26...	--	--	--	--	--	<2.0	--	--
Aug								
02...	.36	1.6	--	.013	3.0	--	--	.40
02...	--	--	--	--	--	<2.0	--	.40
16...	--	--	--	.011	4.6	--	--	--
16...	--	--	--	--	--	<2.0	--	--
Sep								
14...	.18	.8	.042	<.020	22.6	<2.0	--	.60
14...	--	--	--	--	--	--	80	.60
21...	.28	1.2	--	<.020	34.7	<2.0	--	.00
21...	--	--	--	--	--	--	500	.00
28...	.42	1.9	--	.020	11.6	<2.0	--	.50
28...	--	--	--	--	--	--	300	.50