

APALACHICOLA RIVER BASIN 2003 Water Year

02336643 SANDY CREEK TRIBUTARY AT COLLIER ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°46'08", long 84°30'07" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at culvert on Collier Road, 0.40 miles upstream of Sandy Creek, and 0.20 miles north of Interstate 20.

DRAINAGE AREA.—0.17 mi².

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of Specific Conductance, pH, Water Temperature, Dissolved Oxygen, and Turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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	Nitrite			Ortho-			Total	E. coli,	Fecal	Total	
	+ Ortho-			phos-			nitro-	Coli-	coli-	coli-	
Date	Ammonia water, fltrd,	Nitrate water, fltrd,	nitrate water, fltrd,	Ortho- phate, water, fltrd,	phos- phate, water, fltrd,	phate, water, fltrd,	gen, water, fltrd,	lert Quanty	M-FC	Colert	Barium, Iron, water, fltrd,
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	MPN/	col/	MPN/	fltrd,	ug/L
	as N	as N	as N	as N	as N	as P	mg/L	100 mL	100 mL	100 mL	ug/L
(00608)	(00618)	(00631)	(00613)	(00660)	(00671)	(00665)	(62854)	(50468)	(31625)	(50569)	(01005) (01046)

	Stront- ium, water, Date (01080)	Alum- inum, water, fltrd, (01106)	Mangan- ese, water, fltrd, (01056)	Zinc, water, fltrd, (01090)	Cadmium water, fltrd, (01025)	Copper, water, fltrd, (01030)	Lead, water, fltrd, (01040)	Nickel, water, fltrd, (01049)	Silver, water, fltrd, (01065)	Chrom- ium, water, fltrd, (01075)	suspnd sediment total, percent	inum, mony, total, ug/g	Alum- mony, total, ug/g	Anti- Arsenic suspnd sediment total, ug/g
--	--	---	--	--------------------------------------	--	--	--------------------------------------	--	--	---	---	----------------------------------	----------------------------------	--

JUN													
18...	50	51	<100	--	--	--	--	--	--	--	--	--	--
18...	--	67	34.4	11	E.04	<.8	3.3	.64	.98	<.20	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	12	1.0	7.2
JUL													
16...	70	<50	<100	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16	--	3	89.8	5	E.02n	<.8	8	<.08	.93	<.20	--	--	--

	Beryll-			Chrom-						Mangan-			Molyb-		
Date	Barium, suspnd sedimnt total, ug/g (29820)	ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)		

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	Barium, bed sed ug/g	Beryll- ium, bed sed ug/g	Cadmium bed sed ug/g	Chrom- ium, bed sed ug/g	Cobalt, bed sed ug/g	Copper, bed sed ug/g	Iron, bed sed ug/g	Lead, bed sed ug/g	Lithium bed sed percent	Mangan- ese, bed sed ug/g	Mercury denum, bed sed ug/g	Molyb- bed sed ug/g	Nickel, bed sed ug/g	
Date	<62.5um dry svd (34807)	<62.5um dry svd (34812)	<62.5um dry svd (34827)	<62.5um dry svd (34842)	<62.5um dry svd (34847)	<62.5um dry svd (34852)	<62.5um dry svd (34882)	<62.5um dry svd (34892)	<62.5um dry svd (34897)	<62.5um dry svd (34907)	<62.5um dry svd (34912)	<62.5um dry svd (34917)	<62.5um dry svd (34927)	
JUN														
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL														
16...	--	--	--	--	--	--	--	--	--	--	--	--	--	
16...	440	3	M	46	28	42	9.8	66	33	760	.08	1	26	
16...	--	--	--	--	--	--	--	--	--	--	--	--	--	
Date	Selen- ium, bed sed <62.5um dry svd lab, dry svd	Silver, Stront- ium, bed sed <62.5um dry svd	Titan- ium, bed sed <62.5um dry svd	Vanad- ium, bed sed <62.5um dry svd	Zinc, 1,4-Di- chloro- benzene	Methyl- <62.5um lab, dry svd	Methyl- naphth- alene	Methyl- naphth- alene	Methyl- 3-beta- 1H- 4-hy-	Copros- tanol, indole, droxy- water, water, water, water, water, water, water, water, anisole	Butyl- 4H-			
	bed sed ug/g	bed sed ug/g	bed sed ug/g	bed sed ug/g	bed sed ug/L	bed sed ug/L	bed sed ug/L	bed sed ug/L	bed sed ug/L	bed sed ug/L	bed sed ug/L	bed sed ug/L	bed sed ug/L	
	(34952)	(34957)	(34967)	(34992)	(35007)	(35022)	(35022)	(35022)	(35022)	(35054)	(62055)	(62056)	(62057)	
JUN														
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
18...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	M	<5		
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL														
16...	--	--	--	--	--	--	--	--	--	--	--	--	--	
16...	.8	<.5	45	.525	92	140	--	--	--	--	--	--	--	
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5	
Date	4-Cumyl- phenol, water, filtrd, ug/L	4-Octyl- phenol, water, filtrd, ug/L	4-Nonyl- phenol, water, filtrd, ug/L	4-tert- Octyl- phenol, water, filtrd, ug/L	5-Meth- yl-1H- benzo- tri- quinone	9,10- Anthra- phenone	Aceto- phenone	AHTN, water, filtrd, ug/L	Anthra- cene, water, filtrd, ug/L	Benz- [a]- pyrene, water, filtrd, ug/L	Benz- Benzo- terol, water, filtrd, ug/L	Benzo- sitos, water, filtrd, ug/L	beta- Stanol, water, filtrd, ug/L	beta- Stigmato- stanol, water, filtrd, ug/L
	(62060)	(62061)	(62085)	(62062)	(62063)	(62066)	(62066)	(62064)	(62065)	(34221)	(34248)	(62067)	(62068)	
JUN														
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
18...	<1	<1	<5	<1	<2	E.1	<.5	<.5	<.5	<.5	<2	<2	<2	
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL														
16...	--	--	--	--	--	--	--	--	--	--	--	--	--	
16...	--	--	--	--	--	--	--	--	--	--	--	--	--	
16...	<1	<1	<5	<1	<2	<.5	<.5	E.1	<.5	<.5	<2	<2	<2	
Date	Bisphenol A, water, filtrd, ug/L	Bromacil, water, filtrd, ug/L	Caffeine, water, filtrd, ug/L	Camphor, water, filtrd, ug/L	Carbaryl, water, 0.7u GF	Carba- zole, pyrifos	Chlor- terol, water, filtrd, ug/L	Choles- inine, water, filtrd, ug/L	Cot- DEET, water, filtrd, ug/L	Diazi- nonyl- phenol, water, filtrd, ug/L	ethoxy- octyl- phenol, water, filtrd, ug/L	Di- ethoxy- phenol, water, filtrd, ug/L	Di- ethoxy- phenol, water, filtrd, ug/L	
	(62069)	(04029)	(50305)	(62070)	(82680)	(62071)	(38933)	(62072)	(62005)	(62005)	(62082)	(39572)	(62083)	
JUN														
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
18...	M	<.5	E.1	M	M	<.5	<.5	<2	<1	E.2	<.5	<5	<1	
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL														
16...	--	--	--	--	--	--	--	--	--	--	--	--	--	
16...	--	--	--	--	--	--	--	--	--	--	--	--	--	
16...	<1	<.5	M	M	<1	<.5	<.5	<2	<1	E.2	<.5	<5	<1	

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02336643 SANDY CREEK TRIBUTARY AT COLLIER ROAD, AT ATLANTA, GA—continued.

Date	D-Limo-nene, water, ug/L (62073)	Ethoxy-octyl-phenol, water, ug/L (61706)	Fluor-anthene, water, ug/L (34377)	HHCB, water, ug/L (62075)	Indole, water, ug/L (62076)	Isobor-neol, water, ug/L (62077)	Iso-propyl-phenone, water, ug/L (34409)	quin-olene, water, ug/L (62078)	Menthol, water, ug/L (62079)	Meta-laxyl, water, ug/L (62080)	salicy-late, water, ug/L (50359)	Methyl-chloro- water, ug/L (62081)	Metola-chlor, water, ug/L (39415)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	<1	<.5	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUN													
Naphth-alene, Cresol, phenol, water,	Penta-chloro-phenol, Phenan- ton, Pyrene, ethene, methane, phate, san, citrate, phate, Triclo-ethyl phos- Tri-phenyl phos-	Tetra-chloro-bromo-phos- Triclo-ethyl phos-	butyl	Tri-phenyl phos-									
Date	filtrd, ug/L (34443)	filtrd, ug/L (62084)	filtrd, ug/L (34459)	filtrd, ug/L (34462)	filtrd, ug/L (34466)	filtrd, ug/L (04037)	filtrd, ug/L (34470)	filtrd, ug/L (34476)	filtrd, ug/L (34288)	filtrd, ug/L (62089)	filtrd, ug/L (62090)	filtrd, ug/L (62091)	filtrd, ug/L (62092)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	M	<2	<.5	E.3	<.5	<.5	E.1	<.5	<.5	M	<.5	<.5
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	<2	<.5	E.4	<.5	<.5	<.5	<.5	<.5	M	<.5	<.5
JUN													
Tris(2-butoxy-chloro-ethyl) phosph-ate, wat filt ug/L (62093)	Tris(2-chloro-ethyl) phosph-ate, wat filt ug/L (62087)	Tris(di-chloro-ethyl) phosph-ate, wat filt ug/L (62088)	Di-chlorophos-phate, phate, water, Sam- pler type, method, ug/L (38775)	Sam- pling code, code, code	3070	10							
Date	wat filt ug/L (62093)	wat filt ug/L (62087)	wat filt ug/L (62088)	(84164)	(82398)								
JUN													
18...	--	--	--	--	3070	10							
18...	E.5	E.1	<.5	<1.00	3070	10							
18...	--	--	--	--	3070	10							
JUL													
16...	--	--	--	--	3070	10							
16...	--	--	--	--	3070	70							
16...	<.5	M	M	<1.00	3070	10							

Remark codes used in this report:

< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:

d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV