

## **ALTAMAHA RIVER BASIN 2003 Water Year**

**02203800 SOUTH RIVER AT BOULDERCREST ROAD, AT ATLANTA, GA**

**LOCATION--** Lat 33°40'46", long 84°18'30" referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit Code 03070103, at bridge on Bouldercrest Road, 1.7 miles downstream of Intrenchment Creek, and 0.40 miles east of Interstate 285.

**DRAINAGE AREA:**—41.5 mi<sup>2</sup>.

## **COOPERATION.—City of Atlanta.**

## PERIODIC WATER-QUALITY RECORDS

**PERIOD OF RECORD.**—July 1975 to March 1994; February 1999 to July 2000;  
March 20, 2003 to July 28, 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 with analyzing code 81350 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

**02203800 SOUTH RIVER AT BOULDERCREST ROAD, AT ATLANTA, GA--Continued**

	Nitrite			Ortho-			Total	E. coli,	Fecal	Total			
	+ Ammonia water, water, water, water, fltrd, mg/L	Nitrate water, water, water, water, fltrd, mg/L	nitrate water, phate, water, mg/L	Nitrite water, water, water, water, fltrd, mg/L	phos- phorus, water, mg/L	phos- phorus, water, water, fltrd, mg/L	nitro- gen, Phos- phate, water, by anal filtrd, mg/L	Coli- gen, MPN/ col/	coli- form, MPN/ col/	coli- form, ug/L			
Date	(71846)	(00608)	(00618)	(00631)	(00613)	(00660)	(00671)	(00666)	(62854)	(50468)	(31625)	(50569)	(01005)

	Stront-	Alum-	Mangan-	Chrom-				Alum-	Anti-				
Date	Iron, water, fltrd, ug/L (01046)	ium, water, fltrd, ug/L (01080)	inum, water, fltrd, ug/L (01106)	ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	suspnd sediment percent (30221)	suspnd sediment ug/L (29816)

	Selen-	Stront-	Titan-	Vanad-	Suspnd.	Uranium	Alum-	Anti-		
	ium,	ium,	Thall-	ium,	Zinc,	Uranium	sediment	bed sed	inum,	
	suspnd	suspnd	suspnd	suspnd	suspnd	conc,	<62.5um	bed sed	bed sed	
Date	sedimnt	sedimnt	sedimnt	sedimnt	sedimnt	flow	dry svd	<62.5um	<62.5um	
	total,	total,	total,	total,	total,	through	lab,	dry svd	dry svd	
	ug/g	ug/g	ug/g	ug/g	ug/g	cfrug	lab,tot	lab,tot	ug/g	
	(29845)	(29847)	(29850)	(35040)	(49955)	(30317)	(29853)	(29855)	(35046)	
							(50279)	(35002)	(34792)	(34797)

MAY													
07...	150	M	M	54	<50	.480	160	430	<50	91	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	<50	5.5	M

**02203800 SOUTH RIVER AT BOULDERCREST ROAD, AT ATLANTA, GA--Continued**

	M	310	1	1	74	28	44	3.1	44	17	880	.13	8	
MAY	07...	--	--	--	--	--	--	--	--	--	--	--	--	
	07...	--	--	--	--	--	--	--	--	--	--	--	--	
	07...	--	--	--	--	--	--	--	--	--	--	--	--	
JUL	14...	--	--	--	--	--	--	--	--	--	--	--	--	
	14...	--	--	--	--	--	--	--	--	--	--	--	--	
	14...	M	310	1	1	74	28	44	3.1	44	17	880	.13	8

**02203800 SOUTH RIVER AT BOULDERCREST ROAD, AT ATLANTA, GA--Continued**

	Di-	Ethoxy-	Ethoxy-	Fluor-		Isobor-	Iso-	Iso-	propyl-	quin-		Methyl
	ethoxy-	D-Limo-	octyl-	phenol,	phenol, anthene	HHCB, Indole,	neol, phorone	benzene	oline, Menthol	laxyl, late,		salicy-
Date	octyl-	fltrd	fltrd,	nene, water,	water, water,	water, water,	water, water,	water,	water, water,	water, water,		
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	(61705)	(62073)	(61706)	(34377)	(62075)	(62076)	(62077)	(34409)	(62078)	(62079)	(62080)	(50359)
												(62081)

MAY	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	<.5	<1	M	E.1	<.5	<.5	<.5	<.5	E.2	<.5	M
07...	--	--	--	--	--	--	--	--	--	--	--	--
JUL	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<.5	<1	M	M	<.5	<.5	<.5	<.5	E.1	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--

			Penta-			Tetra-	Tri-	butyl		Tri-	
	Metola-	Naphth-	p-	chloro-	Phenan-	Prome-	chloro-	bromo-	phos-	Triclo-	ethyl
Date	chlor,	chlor,	Cresol,	phenol,	threne, Phenol,	ton, Pyrene,	methane	phate,	san,	citrate	
	water,	water,	water,	water,	water, water,	water,	water,	water,	water,	water,	
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	(39415)	(34443)	(62084)	(34459)	(34462)	(34466)	(04037)	(34470)	(34476)	(34288)	(62089)
											(62090)
											(62091)

MAY	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	<.5	M	M	M	.6	E.1	M	M	<.5	.6	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--
JUL	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<.5	M	<2	M	.7	<.5	M	<.5	<.5	E.3	<1
14...	--	--	--	--	--	--	--	--	--	--	--	--

	Tri-	Tris(2-	Tris(2-	Tris(di								
	phenyl	butoxy-	chloro-	chloro-	Di-							
	phos-	ethyl)	ethyl)	i-Pr)	chlor-							
	phate,	phos-	phate,	phate,	vos,							
Date	water,	phate,	phate,	phate,	water	Sampler	Sam-					
	wat flt	wat flt	wat flt	wat flt	fltrd,	type,	pling					
	ug/L	ug/L	ug/L	ug/L	ug/L	code	method,					
	(62092)	(62093)	(62087)	(62088)	(38775)	(84164)	(82398)					

MAY	--	--	--	--	--	3070	8010					
07...	--	E.1	.8	E.3	E.1	<1.00	3060	40				
07...	--	--	--	--	--	--	3060	40				
JUL	--	--	--	--	--	--						
14...	--	--	--	--	--	--	3060	40				
14...	E.1	.9	E.2	E.2	E.2	<1.00	3060	40				
14...	--	--	--	--	--	--	3070	70				

Remark codes used in this report:

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

Value qualifier codes used in this report:  
 d -- Diluted sample: method hi range exceeded