

CHATTahoochee RIVER BASIN

2003 Water Year

02336516 PROCTOR CREEK TRIBUTARY #6 AT SIMPSON STREET, AT ATLANTA, GA

LOCATION.—Lat 33°45'50", long 84°26'47" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at culvert on Simpson Street, 1.1 miles upstream of Proctor Creek, and 0.50 miles north of Martin Luther King Jr. Drive.

DRAINAGE AREA.—0.21 mi².

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 17, 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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continued.

Date	Nitrite				Ortho-				Total		E coli,	Fecal	Total	
	Ammonia water, mg/L (71846)	Nitrate water, mg/L (00608)	nitrate water, mg/L (00618)	+ (00631)	Ortho-phosphate, mg/L (00613)	Nitrite water, mg/L (00660)	phate, water, mg/L (00671)	Ortho-phosphate, mg/L (00666)	nitro- gen, mg/L (62854)	Coli- gen, MPN/ (50468)	Coli- lert form, col/ (31625)	coliform, MPN/ (50569)	coliform, ug/L (01005)	
APR														
25...	.02	.017	.72	.770d	.050	.279	.09	.03	1.47	2300	1900k	98000	40.1	
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL														
17...	.02	.012	.84	.840d	<.100	--	<.006	.02	.89	460	2000	26700	43.1	
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	
APR														
Iron, water, ug/L (01046)	Stront- ium, ug/L (01080)	Alum- inum, ug/L (01106)	Mangan- ese, ug/L (01056)	Zinc, Cadmium water, ug/L (01090)	Copper, Cadmium water, ug/L (01025)	Chrom- ium, Zinc, water, ug/L (01030)	Lead, Copper, water, ug/L (01040)	Nickel, Lead, water, ug/L (01049)	Silver, Nickel, water, ug/L (01065)	suspnd suspnd sedimnt sedimnt	suspd suspnd sedimnt sedimnt	Alum- inum, percent (01075)	Anti- mony, ug/g (30221)	Antimony, ug/g (29816)
25...	100	50	<50	<100	--	--	--	--	--	--	--	--	--	
25...	--	--	--	--	--	--	--	--	--	--	--	14	1.0	
25...	--	--	24	66.0	16	E.03	<.8	3.2	.47	1.36	<.2	--	--	
JUL														
17...	<100	70	<50	<100	--	--	--	--	--	--	--	--	--	
17...	--	--	3	71.1	8	E.03n	<.8	1.3	E.05n	.98	<.20	--	--	
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	
APR														
Arsenic total, ug/g (29818)	Barium, total, ug/g (29820)	Beryll- ium, ug/g (29822)	Cadmium total, ug/g (29826)	Cobalt, total, ug/g (29829)	Copper, total, ug/g (35031)	Iron, total, ug/g (29832)	Lead, total, ug/g (30269)	Lithium total, ug/g (29836)	Manganese, total, ug/g (35050)	Mercury total, ug/g (29839)	Suspend. total, ug/g (29841)	Molyb- denum, ug/g (29843)		
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	
25...	15	360	4	1.6	170	32	80	5.8	130	67	3200	.22	10	
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL														
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	
APR														
Nickel, sediment, ug/g (29845)	Selen- ium, sediment, ug/g (29847)	Silver, sediment, ug/g (29850)	Stront- ium, sediment, ug/g (35040)	Thall- ium, sediment, ug/g (49955)	Titan- ium, sediment, ug/g (30317)	Vanad- ium, sediment, ug/g (29853)	Zinc, sediment, ug/g (29855)	Uranium conc., ug/g (35046)	Lithium through total, cntrfug ug/g (50279)	Uranium total, ug/g (35002)	Suspend. bed sed through lab, ug/g (34792)	Uranium bed sed through lab, ug/g (34797)	Alum- inum, percent (M)	Antimony, ug/g (34797)
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	
25...	82	1	<.5	60	<50	.440	140	580	<50	15	--	--	--	
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL														
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	
17...	--	--	--	--	--	--	--	--	--	--	<50	9.1	M	

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continued.**

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

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

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

APR								
25...	--	--	--	--	--	--	3070	10
25...	--	--	--	--	--	--	3070	10
25...	M	7.2	E.1	E.1	<1.00	3070	10	
JUL								
17...	--	--	--	--	--	--	3070	10
17...	<.5	<.5	E.1	<.5	<1.00	3070	10	
17...	--	--	--	--	--	3070	10	

Remark codes used in this report:

< = Less than

-- Less than
E -- Estimated value

M -- Presence verified, not quantified

Value qualifier codes used in this report:

d -- Diluted sample: method hi range exceeded

d -- diluted sample; method in range
k -- Counts outside acceptable range

n -- Below the NDV