

APALACHICOLA RIVER BASIN 2003 Water Year

02336378 NANCY CREEK TRIBUTARY AT TUXEDO ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°51'19", long 84°23'44" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at culvert on Tuxedo Road, 0.90 miles upstream of Nancy Creek, and 0.70 miles west of US 19 and GA 9.

DRAINAGE AREA.— 1.24 mi^2 .

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—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 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

Date	Time	Tur-				Dis-			pH,	Specif.	Hard-			Noncarb
		Agency	bidity,	Baro-	solved	water,	unfldrd	tance,	Temper-	Temper-	water,	wat flt	ness,	hard-
ana-	water,	metric	Dis-	oxygen,	unfldrd	field,	wat unf	ature,	ature,	ature,	unfldrd	lab,	ness,	Ca
lyzing	sample,	unfldrd	pres-	solved	percent	std	water,	air,	water,	air,	mg/L as	mg/L as	fltrd,	
		code	NTU	mm Hg	mg/L	uration	units	25 degC	deg C	deg C	CaCO3	CaCO3	mg/L	
		(00028)	(61028)	(00025)	(00300)	(00301)	(00400)	(00095)	(00010)	(00020)	(00900)	(00905)	(00915)	
MAR														
21...	1024	81345	11	739	10.3	103	7.0	143	14.0	16.5	44	8	12.6	
21...	1025	81350	--	--	--	--	--	--	--	--	--	--	--	
21...	1026	80020	--	--	--	--	--	--	--	--	--	--	--	
JUL														
18...	0930	81345	2.9	740	5.1	58	7.3	139	21.5	27.0	46	10	13.1	
18...	0931	80020	--	--	--	--	--	--	--	--	--	--	--	
18...	0932	81350	--	--	--	--	--	--	--	--	--	--	--	
28...	0930	80020	2.8	746	8.4	96	7.3	147	22.0	26.0	--	--	--	

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Date	Arsenic	Barium,	Beryll-	Cadmium	Chrom-	Cobalt,	Copper,	Iron,	Lead,	Lithium	Mangan-	Mercury	Molyb-
	bed sed	bed sed	ium,	bed sed	ium,	bed sed	bed sed	bed sed	bed sed	ese,	bed sed	denum,	
	<62.5um	<62.5um	bed sed	<62.5um	bed sed	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	bed sed	<62.5um	bed sed
	dry svd	dry svd	<62.5um	dry svd	<62.5um	dry svd	<62.5um	dry svd	<62.5um				
	lab,	lab,	dry svd	lab,	dry svd	lab,	lab,	lab,	lab,	lab,	lab,	dry svd	lab,
Date	total,	total,	lab,tot	total,	lab,tot	total,	total,	total,	total,	total,	lab,tot	total,	lab,tot
	ug/g	ug/g	ug/g	ug/g	ug/g	ug/g	ug/g	ug/g	percent	ug/g	ug/g	ug/g	ug/g
	(34802)	(34807)	(34812)	(34827)	(34842)	(34847)	(34852)	(34882)	(34892)	(34897)	(34907)	(34912)	(34917)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	510	2	M	60	18	55	3.7	52	28	1300	.02	1
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
Date	Nickel,	Selen-	Silver,	Stront-	Titan-	Vanad-	Zinc,	1-	2,6-Di-	2-	3-		
	bed sed	ium,	bed sed	ium,	ium,	ium,	bed sed	1,4-Di-	Methyl-	Methyl-	Methyl-		
	<62.5um	bed sed	<62.5um	bed sed	bed sed	bed sed	<62.5um	chloro-	naphth-	naphth-	Copros-	1H-	
	dry svd	<62.5um	dry svd	<62.5um	<62.5um	dry svd	benzene	alene,	alene,	alene,	tanol,	indole,	
	lab,	dry svd	lab,	dry svd	dry svd	dry svd	lab,	water,	water,	water,	water,	water,	
	total,	lab,tot	total,	lab,tot	lab,tot	lab,tot	total,	filtrd,	filtrd,	filtrd,	filtrd,	filtrd,	
	ug/g	ug/g	ug/g	ug/g	percent	ug/g	ug/g	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	(34927)	(34952)	(34957)	(34967)	(34992)	(35007)	(35022)	(35022)	(34572)	(62054)	(62055)	(62056)	(62057)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	25	.5	<.5	60	.630	89	200	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1
Date	3-tert-	4-	4-	4-	4-tert-	yl-1H-	9,10-	5-Meth-					
	Butyl-	Cumyly-	Octyl-	Nonyl-	Octyl-	benzo-	Anthra-	Aceto-	AHTN,	cene,	pyrene,	phenone	
	4-hy-	phenol,	phenol,	phenol,	phenol,	tri-	quinone	phenone	water,	water,	water,	water,	
	droxy-	water,	water,	water,	water,	azole,	water,	water,	water,	water,	water,	water,	
	anisole	wat flt	fltrd,	fltrd,	fltrd,	fltrd,	wat flt	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	
	wat	ug/L											
	(62059)	(62060)	(62061)	(62085)	(62062)	(62063)	(62066)	(62064)	(62065)	(34221)	(34248)	(62067)	(62068)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1	<.5	<.5	<.5	<2
Date	beta-	Bisphe-	Bromo-	Caf-		Car-							
	Stigmar-	nol A,	cil,	feine,		baryl,	Carba-	Chlor-	Choles-	Cot-	Diazi-	Di-	
	stanol,	water,	water,	water,		water,	zole,	pyrifos	terol,	inine,	DEET,	ethoxy-	
	water,	water,	water,	water,		water,	water,	water,	water,	water,	non,	nonyl-	
	fltrd,	fltrd,	fltrd,	fltrd,		0.7u GF	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	phenol,	
	ug/L	ug/L	ug/L	ug/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	water,	
	(62086)	(62069)	(04029)	(50305)		(62070)	(82680)	(62071)	(38933)	(62072)	(62005)	(62082)	(39572)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<2	<1	<.5	M	<.5	<1	<.5	<.5	<2	<1	E.1	M	<5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	<1	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	E2

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Date	Di-	Ethoxy-	Ethoxy-	Fluor-	Isobor-	Iso-	Iso-	Methyl			
	octyl-	D-Limo-	octyl-	anthene	Indole,	neol,	propyl-	quin-	salicy-		
	phenol,	nene,	phenol,	HHCB,	water,	phorone	benzene	oline,	late,		
	water,										
	ug/L										
	(61705)	(62073)	(61706)	(34377)	(62075)	(62076)	(62077)	(34409)	(62078)		
	(62080)	(50359)	(62081)								
MAR											
21...	--	--	--	--	--	--	--	--			
21...	--	--	--	--	--	--	--	--			
21...	<1	<.5	<1	M	<.5	<.5	<.5	<.5			
JUL											
18...	--	--	--	--	--	--	--	--			
18...	--	--	--	--	--	--	--	--			
18...	--	--	--	--	--	--	--	--			
28...	<1	<.5	<1	M	<.5	M	<.5	<.5			
Date	Penta-				Tetra-	Tri-	butyl	Tri-			
	Metola-	Naphth-	p-	chloro-	Phenan-	Prome-	chloro-	bromo-	phos-	Triclo-	ethyl
	chlor,	alene,	Cresol,	phenol,	threne,	Phenol,	ton,	Pyrene,	ethene,	methane	san,
	water,	citrate									
	ug/L	water,									
	(39415)	(34443)	(62084)	(34459)	(34462)	(34466)	(04037)	(34470)	(34476)	(34288)	(62089)
	(62090)	(62091)									
MAR											
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	<.5	<.5	M	<2	<.5	.7	<.5	M	<.5	<.5	<.5
JUL											
18...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	<.5	E.3	<.5	M	<.5	E.5	<.5
Date	Tri-	Tris(2-	Tris(2-	Tris(di	Di-						
	phenyl	butoxy-	chloro-	chloro-	chlor-						
	phos-	ethyl)	ethyl)	i-Pr)	vos,						
	phate,	phos-	phos-	phate,	water	Sampler	Sam-				
	water,	phate,	phate,	phate,	water	fltrd,	pling				
	wat flt	wat flt	wat flt	wat flt	ug/L	type,	method,				
	ug/L	ug/L	ug/L	ug/L	ug/L	code	code				
	(62092)	(62093)	(62087)	(62088)	(38775)	(84164)	(82398)				
MAR											
21...	--	--	--	--	--	3070	10				
21...	--	--	--	--	--	3070	10				
21...	M	E.2	<.5	<.5	<1.00	3070	10				
JUL											
18...	--	--	--	--	--	3070	10				
18...	--	--	--	--	--	3070	10				
18...	--	--	--	--	--	3070	70				
28...	<.5	<.5	<.5	E.1	<1.00	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
n -- Below the NDV