

APALACHICOLA RIVER BASIN 2003 Water Year

02336313 WOODALL CREEK AT DEFOORS FERRY ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°49'18", long 84°26'20" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, at bridge on Defoors Ferry Road, 0.20 miles upstream of Peachtree Creek, and 0.80 miles east of Interstate 75.

DRAINAGE AREA.—2.60 mi².

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	Water Quality Data				Chemical Properties				Noncarb			
		Agency	Tur- bidity,	Baro- metric pres-	Dis- solved oxygen,	pH, water,	Specif.	Hard- ness,	hard- ness,				
		sample, field, code	water, mm Hg	sure, mg/L	of sat- uration	solved percent	unfltrd field, wat er, unfltrd	conduc- tance, wat er, ature,	Temper- ature, air,	water, unfltrd lab, CaCO3	wat flt water, CaCO3	CaCO3	
		(00028)	(61028)	(00025)	(00300)	(00301)	(00400)	(00095)	(00010)	(00020)	(00900)	(00905)	(00915)
MAR													
21...	0929	81345	15	734	7.7	79	7.1	371	14.5	--	120	19	35.4
21...	0930	81350	--	--	--	--	--	--	--	--	--	--	--
21...	0931	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0630	81345	5.6	748	6.4	73	7.1	420	22.5	--	130	11	38.2
18...	0631	80020	--	--	--	--	--	--	--	--	--	--	--
18...	0632	81350	--	--	--	--	--	--	--	--	--	--	--
28	0701	80020	7.0	748	7.0	81	7.2	410	22.5	23.5	--	--	--

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	Stront- ium,	Alum- inum,	Mangan- ese,	Zinc,	Cadmium	Chrom- ium,	Copper,	Lead,	Nickel,	Silver,	Alum- inum,	Anti- mony,
Date	water, filtrd,	water, total,	susnd									
(01046)	(01080)	(01106)	(01056)	(01090)	(01025)	(01030)	(01040)	(01049)	(01065)	(01075)	(30221)	(29816)

	Beryll-			Chrom-			Mangan-			Molyb-		
Arsenic	Barium,	ium,	Cadmium	ium,	Cobalt,	Copper,	Iron,	Lead,	Lithium	ese,	Mercury	denum,
suspnd												
Date	sedimnt											
	total,											
	ug/g	percent	ug/g	ug/g	ug/g	ug/g						
(29818)	(29820)	(29822)	(29826)	(29828)	(35031)	(29832)	(30269)	(29836)	(35050)	(29839)	(29841)	(29843)

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Date	Arsenic ug/g (34802)	Barium, bed sed (34807)	Beryll- ium, bed sed <62.5um dry svd	Cadmium ium, bed sed <62.5um dry svd	Chrom- ium, bed sed <62.5um dry svd	Cobalt, bed sed <62.5um dry svd	Copper, bed sed <62.5um dry svd	Iron, bed sed <62.5um dry svd	Lead, bed sed <62.5um dry svd	Lithium ese, bed sed <62.5um dry svd	Mangan- ese, bed sed <62.5um dry svd	Mercury denum, bed sed <62.5um dry svd	Molyb- denum, bed sed <62.5um dry svd
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	660	2	1	41	16	73	3.9	120	26	790	.03	1
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
Nickel, bed sed <62.5um dry svd	Selen- ium, bed sed <62.5um dry svd	Silver, bed sed <62.5um dry svd	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, bed sed <62.5um dry svd	1- 1,4-Di- chloro- benzene	2,6-Di- methyl- naphth-	2- methyl- naphth-	3- beta- Coprostanol	1H- naphth-	Methyl- indole	Methyl- tanol
Date	ug/g (34927)	ug/g (34952)	ug/g (34957)	ug/g (34967)	ug/g (34992)	percent (35007)	ug/g (35022)	ug/L (34572)	ug/L (62054)	ug/L (62056)	ug/L (62057)	ug/L (62058)	
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	16	.4	<.5	80	.530	95	450	--	--	--	--	--	--
28...	--	--	--	--	--	--	E.1	<.5	<.5	<.5	<2	M	
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	E.2	<.5	<.5	<.5	<2	<1
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	16	.4	<.5	80	.530	95	450	--	--	--	--	--	--
28...	--	--	--	--	--	--	E.1	<.5	<.5	<.5	<2	M	
MAR													
3-tert- Butyl- 4-hy- droxy- anisole wat flt	4- Cumyl- phenol, water,	4- Octyl- phenol, water,	4- Nonyl- phenol, water,	4- Octyl- phenol, water,	4-tert- benzo- benzo- water,	5-Meth- yl-1H- Anthra- quinone water,	9,10- Aceto- phenone water,	AHTN, water,	Anthra- cene, water,	Benzo- [a]- pyrene, water,	Benzo- terol, water,	beta- Sitos- terol, water,	
Date	ug/L (62059)	(62060)	(62061)	(62085)	(62062)	(62063)	(62066)	(62064)	(62065)	(34221)	(34248)	(62067)	(62068)
JUL													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<5	<1	<1	<5	<1	<2	E.1	<.5	<.5	E.1	<.5	<.5	<2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	E.1	<.5	<.5	<2
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<5	<1	<1	<5	<1	<2	E.1	<.5	<.5	E.1	<.5	<.5	<2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	E.1	<.5	<.5	<2
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<2	<1	12.0	E.2	E.2	<1	<.5	<.5	<2	<1	E.1	<.5	E2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	M	1.9	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	E2

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Date	Di- ethoxy- octyl- phenol, water, ug/L (61705)	D-Limo- nene, water, ug/L (62073)	Ethoxy- octyl- phenol, water, ug/L (61706)	Fluor- anthene, HHCB, water, ug/L (34377)	Indole, water, ug/L (62075)	Isobor- neol, water, ug/L (62076)	Iso- phorone, water, ug/L (62077)	propyl- benzene, water, ug/L (34409)	Iso- quin- oline, water, ug/L (62078)	Menthol, water, ug/L (62079)	Meta- laxyl, water, ug/L (62080)	Methyl salicy- late, water, ug/L (50359)	Met- aldehyde, water, ug/L (62081)
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MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<1	M	<1	E.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
	28...	<1	<.5	<1	M	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola- chlor, water, ug/L (39415)	Naphth- chloro- phenol, water, ug/L (34443)	p- Cresol, water, ug/L (62084)	Penta- chloro- phenol, water, ug/L (34459)	Phenan- threne, water, ug/L (34462)	Phenol, water, ug/L (34466)	Prome- ton, Pyrene, water, ug/L (04037)	Tetra- chloro- ethene, water, ug/L (34470)	Tri- butyl phosphate, water, ug/L (34476)	Tri- clo- san, water, ug/L (34288)	Tri- ethyl citrate, water, ug/L (62089)	Tri- ethyl citrato, water, ug/L (62091)
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MAR														
21...	--	--	--	--	--	--	--	--	--	--	--	--	--	
21...	--	--	--	--	--	--	--	--	--	--	--	--	--	
21...	<.5	<.5	M	M	<.5	.8	<.5	E.1	E.6	<.5	E.1	<1	<.5	
JUL														
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
18...	--	--	--	--	--	--	--	--	--	--	--	--	--	
	28...	<.5	<.5	M	<2	M	.6	<.5	E.1	E.1	<.5	E.1	<1	<.5

Date	Tri- phenyl phos- phate, water, ug/L (62092)	Tris(2- butoxy- ethyl) phos- phate, water, ug/L (62093)	Tris(2- chloro- ethyl) phos- phate, water, ug/L (62087)	Tris(di- chloro- i-Pr) phos- phate, water, ug/L (62088)	Di- chloro- vos, water, ug/L (38775)	Sam- pler type, code (84164)	Pling method, code (82398)
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MAR								
21...	--	--	--	--	--	3070	10	
21...	--	--	--	--	--	3070	10	
21...	M	.8	E.1	E.1	<1.00	3070	10	
JUL								
18...	--	--	--	--	--	3070	10	
18...	--	--	--	--	--	3070	10	
18...	--	--	--	--	--	3070	70	
	28...	E.1	E.3	E.1	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
k -- Counts outside acceptable range