



Water-Data Report 2008

02336380 NANCY CREEK AT RANDALL MILL ROAD AT ATLANTA, GA

Apalachicola Basin
Upper Chattahoochee Subbasin

LOCATION.--Lat 33°51'35", long 84°25'28" referenced to North American Datum of 1927, Fulton County, GA, Hydrologic Unit 03130001, on bridge located 3.0 miles upstream of confluence with Peachtree Creek, 0.6 miles east of Interstate 75, and 2.5 miles west of US 19.

DRAINAGE AREA.--34.8 mi².

WATER-QUALITY RECORDS

REMARKS.--Medium code WS indicates a surface water sample. Medium code SS indicates a suspended sediment sample. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses are from the City of Atlanta Utoy Lab. The U.S. Geological Survey, National Water Quality Laboratory is used to analyze silica, chloride, and sulfate. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 6

[Remark codes: <, less than; M, presence verified but not quantified. Null value qualifier codes: a, planned measurement was not made; x, result failed quality assurance review.]

Date	Time	Gage height, feet (00065)	Dis-charge, ft ³ /s (00060)	Turb-idity, IR LED light, 90 deg, FNU (63680)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif-ic conduc-tance, wat unf μS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat flt fxd end lab, mg/L as CaCO ₃ (29801)
Aug													
12...	0815	--a	1.5	3.4	5.9	7.0	127	22.3	--x	--x	--x	--x	42
12...	0815	--	--	--	--	--	--	--	--	--	--	--	--

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 6

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Date	Chlor-ide, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L as SiO ₂ (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L as P (00666)	Phos-phorus, water, unfltrd mg/L as P (00665)	Total nitro-gen, suspnd sedimnt percent (62845)	Phos-phorus, suspnd sedimnt total, percent (30292)	Total carbon, suspnd sedimnt total, percent (30244)
Aug													
12...	7.73	8.80	5.64	--x	--x	.170	<.010	--x	--x	--x	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	.22	.800	3.1

02336380 NANCY CREEK AT RANDALL MILL ROAD AT ATLANTA, GA—Continued

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Part 3 of 6

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Date	Organic carbon, suspnd sedimnt percent (50465)	E coli, Defined Substr. Tech., MPN/ 100 mL (50468)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Alum-inum, water, fltrd, µg/L (01106)	Cadmium, water, fltrd, µg/L (01025)	Chrom-ium, water, fltrd, µg/L (01030)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)	Mangan-ese, water, fltrd, µg/L (01056)	Nickel, water, fltrd, µg/L (01065)	Silver, water, fltrd, µg/L (01075)	Zinc, water, fltrd, µg/L (01090)
Aug 12...	--	68	9,800	--x	--x	--x	--x	--x	--x	--x	--x	--x	--x
12...	3.3	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 6

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Date	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic, suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium, suspnd sedimnt total, ug/g (29826)	Chrom-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)	Mangan-ese, suspnd sedimnt total, ug/g (29839)
Aug 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	8.6	1.2	7.4	650	3	.4	67	22	55	4.3	49	34	2,900

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 6

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Date	Mercury, suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt total, ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vana-dium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium, suspnd sedimnt total, ug/g (35046)	Suspnd. sedi-ment, sieve diametr percent <62.5um (70331)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)
Aug 12...	--	--	--	--	--	--	--	--	--	--	--	--a	--a
12...	.01	2	27	M	<2	81	<150	.720	99	260	<150	8	2

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Part 6 of 6

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nt was not made;

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assurance review.]

Date	Sus- pended sedi- ment concen- tration mg/L (80154)
Aug	
12...	--a
12...	--