



Water-Data Report 2008

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA

Apalachicola Basin
Middle Chattahoochee-Lake Harding Subbasin

LOCATION.--Lat 33°46'32", long 84°26'27" referenced to North American Datum of 1927, Fulton County, GA, Hydrologic Unit 03130002, on downstream side of bridge on Hortense Way, 0.2 miles north of US 78, 3.2 miles east of Interstate 285, 2.9 miles west of Interstate 75/85.

DRAINAGE AREA.--7.20 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. 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													
21...	0815	1.07	.51	2.2	4.7	7.2	310	23.9	17.6	3.11	4.38	18.4	72
21...	0815	--	--	--	--	--	--	--	--	--	--	--	--

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

Part 2 of 6

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

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)	Nitrate water, fltrd, mg/L as N (00618)	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)
Aug													
21...	27.7	12.2	27.1	.500	.16	1.31	1.21	.100	.055	.050	.085	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	.49	1.2

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 6

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

Date	Total carbon, suspnd sedimnt total, percent (30244)	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)
Aug 21...	--	--	240	17,000	--x	.02	<.100	--x	--x	.60	34	1.00	<.018
21...	5.1	7.9	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 6

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

Date	Zinc, water, fltrd, µg/L (01090)	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)
Aug 21...	6.50	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	10	6.4	6.6	720	3	1.6	81	19	160	5.1	390	48

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 6

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

Date	Mangan-ese, suspnd sedimnt total, ug/g (29839)	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 <62.5µm (70331)
Aug 21...	--	--	--	--	--	--	--	--	--	--	--	--	--a
21...	930	.13	<5	35	1	<2	120	<250	.530	120	550	<250	4

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—Continued

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

Part 6 of 6

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

Date	Suspnd. sediment conc, flow through centrifug mg/L (50279)	Suspended sediment concentration mg/L (80154)
Aug		
21...	--a	--a
21...	2	--