



Water-Data Report 2007

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA

Altamaha Basin
Upper Ocmulgee Subbasin

LOCATION.--Lat 33°35'25", long 83°59'32" referenced to North American Datum of 1927, Rockdale County, GA, Hydrologic Unit 03070103.

DRAINAGE AREA.--15.1 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 2002 to February 2007.

REMARKS.--Data for parameter code 63680 (turbidity) were collected using a probe with the following specifications: turbidity, water, monochrome near infra-red LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (Formazin Nephelometric Units). Before October 1, 2004, turbidity data were published using parameter code 00076: turbidity, water, unfiltered, NTU (Nephelometric Turbidity Units).

Medium code 9 indicates a surface water sample. Hydrologic condition 9 indicates baseflow, 5 indicates falling stage, and 8 indicates rising stage. Sample type 9 indicates a routine sample. Hydrologic event 9 indicates a routine sample. Sampler type code 3001 represents a DH-48, 3044 represents a DH-81, 3052 indicates a DH-95, 3070 indicates a grab sample, and 3080 represents a VOC hand sampler. Sampling method code 10 indicates Equal-Width-Increment, and 70 indicates grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory Biological Oxygen Demand analyses and total cyanide analyses are by Severn-Trent Laboratories, Inc.-Denver, and stored under analyzing agency code 80855. Laboratory sediment analyses with analyzing agency code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory, located in Atlanta, GA. Field determinations of discharge, specific conductance, barometric pressure, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 2

Date	Time	Time Datum	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf μS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)
Oct													
11...	0910	EST	9	3.02	5.3	6.8	5.0	743	7.9	7.0	207	18.2	33
11...	0911	EST	9	3.02	5.3	--	5.0	743	7.9	7.0	207	18.2	--
Nov													
13...	1055	EST	9	3.25	8.2	10	3.6	745	9.6	7.0	152	10.7	31
Dec													
11...	1135	EST	9	3.24	9.0	4.4	3.4	755	11.6	7.0	136	7.4	25
Jan													
11...	1100	EST	9	3.74	24	8.0	8.6	757	11.3	6.7	87	7.3	18
Feb													
13...	0955	EST	9	3.38	15	--	8.0	743	10.5	6.8	99	9.9	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 2

Date	Chlor- ine, total resi- dual, wat unf mg/L (50060)	Residue on evap. at 105degC wat flt mg/L (00515)	Ammonia water, fltrd, mg/L as N (00608)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Phos- phorus, water, unfltrd mg/L (00665)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli- form, M-FC col/ 0.7u MF 100 mL (31625)	Total coli- form, Defined Tech., MPN/ 100 mL (50569)
Oct								
11...	.05	121	.042	2.79	.03	72	63	5,200
11...	--	--	--	--	--	--	--	--
Nov								
13...	.51	86	.191	2.33	.05	16	20	1,000
Dec								
11...	.20	80	.123	2.57	.02	140	69	1,500
Jan								
11...	.19	61	.061	1.40	.04	300	220	2,200
Feb								
13...	.23	--	--	--	--	100	130	2,200