



Water-Data Report 2007

02204129 MCCLANE CREEK DOWNSTREAM OF TROUPS SMITH ROAD, NEAR CONYERS, GA

Altamaha Basin
Upper Ocmulgee Subbasin

LOCATION.--Lat 33°34'45", long 84°02'45" referenced to North American Datum of 1983, Rockdale County, GA, Hydrologic Unit 03070103.

DRAINAGE AREA.--3.40 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 and a suspended sediment sample. Hydrologic condition 9 indicates baseflow, 8 indicates rising stage, and 5 indicates falling 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, 3080 represents a VOC hand sampler, and 3070 represents a one liter sample bottle with cap. 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 chemical analyses of biological oxygen demand and cyanide with analyzing agency code 80855 are by Severn-Trent Laboratories, Inc. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, barometric pressure, 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 correctd 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 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)
Oct													
12...	1010	EST	9	.74	2.0	9.5	10	745	8.2	7.2	130	17.6	32
12...	1011	EST	9	.74	2.0	--	10	745	8.2	7.2	130	17.6	--
Nov													
13...	0945	EST	9	.76	1.5	6.2	4.0	747	10.7	7.0	144	9.5	34
Dec													
12...	1025	EST	9	.80	2.1	6.0	3.4	755	11.6	6.9	144	8.3	27
Jan													
11...	1000	EST	9	.94	4.0	10	10	759	11.4	6.8	105	7.2	27
Feb													
13...	0905	EST	9	.88	2.9	--	5.8	745	10.8	6.9	74	9.8	--

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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, flt rd, mg/L as N (00608)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Phos- phorus, water, unflt rd mg/L (00665)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli- form, Defined Tech., MPN/ 100 mL (50569)
Oct								
12...	.49	87	.134	2.29	.58	630	960	52,000
12...	--	--	--	--	--	--	--	--
Nov								
13...	1.1	90	.159	2.56	.72	150	190	7,700
Dec								
12...	.30	85	.185	3.49	.56	99	130	1,500
Jan								
11...	.30	68	.298	1.98	.36	2,900	3,000	170,000
Feb								
13...	.25	--	--	--	--	84	74	1,100