

**ALTAMAHA RIVER BASIN
2003 and 2004 Water Years**

02207420 BIG HAYNES CREEK AT GA 138, NEAR CONYERS, GA

LOCATION.-- Lat 33°42'41", long 83°55'52" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit Code 03070103, 0.4 miles north of Costley Mill Road, 1.39 miles northeast of Interstate 20, 1.68 miles northeast of Conyers.

DRAINAGE AREA.—50.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 12, 1999 to January 2000, September 24, 2003 to December 17, 2003 (discontinued).

REMARKS.— Medium code 9 is a surface water sample. Hydrologic condition codes represent the stage present during the sample; 9 is for normal, stable stage, and 5 is falling stage. Sample type 9 is a regular sample. Hydrologic event code 9 is for a routine sample. Sampler type used at this site, 3070 is a grab sample. Sampling method code 10 is for an equal width increment (EWI) sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory, Denver, CO. Laboratory sediment analyses with analyzing agency code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory, Atlanta, GA. Field determinations of discharge, 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 2004

Date	Time	Medium code	Hydro-logic condition	Sample type	Hydro-logic event	Sampler type, code (84164)	Sam-pling method, code (82398)	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Specif. conduc-tance, uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper-ature, water, deg C (00010)
SEP 24...	1035	9	9	9	9	3070	10	80020	1.82	34	45	6.8	22.1
DEC 17...	1200	9	5	9	9	3070	10	80020	2.06	80	51	6.9	8.9
Date	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd, mg/L (00665)	Organic carbon, water, unfltrd, mg/L (00680)
SEP 24...	7.8	750	6.9	80	E100klu	2.67	.739	.056	.68	.099	<.007	.024	5.3
DEC 17...	11	742	10.5	93	E11k	3.34	.875	.142	.59	.334d	<.006	.016	3.4

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Date	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Sus- pended sedi- ment concen- tration mg/L (80154)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)
SEP 24...	3.3	.27	52.7	26	66
DEC 17...	<.4	E.07n	E.5n	16	58

Remark codes used in this table:

- < -- Less than
- E -- Estimated value

Value qualifier codes used in this table:

- d -- Diluted sample: method hi range exceeded
- k -- Counts outside acceptable range
- l -- Sample lab preparation problem
- n -- Below the LRL and above the LT-MDL
- u -- Value reported not confirmable, interfer