

**ALTAMAHA RIVER BASIN
2004 Water Year**

02204118 HONEY CREEK AT HURST RD, NEAR CONYERS, GA

LOCATION.—Lat 33°39'44", long 84°05'03" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, 0.5 mile north of Goddard Road, 4.3 miles south of Lithonia, 2.5 miles east of Arabia Mountain, and 3.5 miles west of Interstate 20.

DRAINAGE AREA.—8.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—January 16, 2003 to current year.

REMARKS.— Medium code 9 is a surface water sample and 1 is a suspended sediment sample. Hydrologic condition codes represent the stage present during the sample; 9 is for normal, stable stage, 8 is rising , 7 is the peak, 5 is falling, and 4 is for a low, stable stage. Two types of samples are represented in this table, 9 is a regular sample and H is a composite ISCO storm sample. Hydrologic event code 9 is for a routine sample and J represents the ISCO composite storm samples. Four different sampler types were used at this site, 3044 is a US DH-81, 3052 is a US DH-95, 3070 is a grab sample, and 4115 is a automatic point sampler or an ISCO. Sampling method code 10 is for an equal width increment (EWI) sample, 25 for a timed interval sample, 50 for a point sample, and 70 for a grab sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory, Denver, CO. Laboratory chemical analyses of biological oxygen demand (BOD-5) during the period of October through September analyzed by the U.S. Geological Survey, Ocala Water-Quality Laboratory and are stored under the analyzing agency code 80020. BOD-5 samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratory, Denver, CO, and are 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, Atlanta, GA. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	End date	Time	End time	Medium code	Hydro-logic condition	Sample type	Hydro-logic event	Sampler type, code (84164)	Sam-pling method, code (82398)	Agency sample code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Specif.
													conductance, wat unf uS/cm 25 degC (00095)
OCT 20...	--	0800	--	9	9	9	9	3070	10	80020	1.28	2.1	63
DEC 10-10	20031210	0730	2000	9	8	H	J	4115	25	80020	--	--	48
16...	--	0940	--	9	5	9	9	3070	10	80020	1.82	7.5	54
JAN 15...	--	1120	--	9	9	9	9	3070	10	80020	1.84	8.0	59
FEB 12...	--	0920	--	9	8	9	J	3052	10	80020	3.37	121	29
MAR 11...	--	0910	--	9	9	9	9	3070	10	80020	1.90	9.4	51
MAR 11-11	20040311	0920	0940	9	9	9	9	3070	10	80020	1.90	9.4	51
MAR 30-31	20040331	0600	0500	9	8	H	J	4115	50	80020	--	--	63
APR 08...	--	0840	--	9	9	9	9	3070	10	80020	1.68	4.7	58
14...	--	0800	--	9	5	9	9	3044	10	80020	2.05	15	50
APR 30-													
MAY 02	20040502	2220	1650	9	8	H	J	4115	50	80020	--	--	59
27...	--	1240	--	9	9	9	9	3070	70	80020	1.31	2.5	67
JUN 07-10	20040610	1320	0730	9	8	H	J	4115	50	80020	--	--	--
JUL 01...	--	0940	--	9	5	9	9	3052	10	80020	3.10	104	38
15...	--	0950	--	9	9	9	9	3070	10	80020	1.37	3.9	73
AUG 05...	--	1030	--	9	9	9	9	3070	10	80020	2.21	33	75
AUG 05-06	20040806	1845	0930	9	8	H	J	4115	50	80020	--	--	53
AUG 12-13	20040813	0420	0700	9	8	H	J	4115	50	80020	--	--	40
12...	--	0720	--	9	8	9	9	3044	10	80020	2.54	47	49
12...	--	0810	--	9	8	9	9	3044	10	80020	2.70	70	37
24...	--	0900	--	9	4	9	9	3070	10	80020	1.18	1.5	73
SEP 07...	--	1430	--	9	7	H	9	3052	10	80020	3.20	113	32
07...	--	1431	--	9	7	9	9	3052	10	80855	3.20	113	32
07...	--	1432	--	1	7	9	9	3052	10	81350	3.20	113	32
SEP 16-17	20040917	1800	0900	9	8	H	J	4115	50	80020	--	--	29
SEP 16-17	20040917	1801	0901	9	8	H	J	4115	50	80855	--	--	29
SEP 16-17	20040917	1802	0902	1	8	H	J	4115	50	81350	--	--	29

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02204118 HONEY CREEK AT HURST RD, NEAR CONYERS, GA—continued.

ALTAMAHA RIVER BASIN
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02204118 HONEY CREEK AT HURST RD, NEAR CONYERS, GA—continued.

Date	Ammonia + org-N, water, unfltrd mg/L (00625)	Ammonia as N (00608)	Ortho- phos- phate, water, unfltrd mg/L (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Cadmium mg/L (01025)	Copper, water, unfltrd ug/L (01040)	Lead, water, unfltrd ug/L (01049)	Zinc, water, unfltrd ug/L (01090)	Chloro- phyll a phyto- plank- ton, fluoro-, ug/L (70953)	Chloro- phyll b phyto- plank- ton, fluoro-, ug/L (70954)	Sus- pended sediment, concen- tration mg/L (80154)	Suspnd. diameter <.063mm (70331)
OCT 20...	.22	.021	<.006	.013	3.2	--	E.3n	E.06n	.7	E1.4	<.1	3	90
DEC 10-10	--	--	--	--	5.9	<.04	.9	.15	4.1	--	--	58	53
16...	--	.080	E.003n	--	2.5	--	E.4n	E.06n	1.8	1.2d	<.1d	4	71
JAN 15...	.21	.077	<.006	.009	2.3	--	E.4n	<.08	1.5	E.5d	<.1d	1	63
FEB 12...	.53	.053	<.006	.117	6.0	<.04	.9	.20	4.1	E1.0	E.2	187	56
MAR 11...	.29	.066	E.003n	.034	2.9	--	E.4n	E.06n	3.4	E.8d	<.1d	7	73
MAR 11-11	.29	.073	<.006	.011	2.8	<.04	.6	<.08	2.0	--	--	--	--
MAR 30-31	.41	.100	<.006	.026	6.8	<.04	1.2	E.07n	4.1	--	--	26	65
APR 08...	.26	.064	<.006	.013	3.2	--	.4	E.04n	.9	.7d	<.1d	2	79
14...	.33	.096	<.006	.016	3.6	--	.6	.10	2.4	1.0d	<.1d	10	56
APR 30-													
MAY 02	.59	.014	.007	.132	7.4	<.04	.8	E.06n	1.7	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	E.5d	<.1d	--	--
JUN 07-10	.41	.034	<.006	E.04noc	6.5	E.02n	1.0	<.08	2.9	--	--	--	--
JUL 01...	.70	.035	<.006	.120	9.9	<.04	1.2	.30	3.8	E3.1d	E.2d	138	88
15...	.34	.086	<.006	.015	4.0	<.04	.5	.08	.9	--	--	4	80
AUG 05...	.29	.055	<.006	.016	3.9	--	.5	E.07n	.7	1.3d	<.1d	5	80
AUG 05-06	.91	.140	<.006	.131	11.8	<.04	1.3	.17	2.9	--	--	155	85
AUG 12-13	.52	.018	<.006	.078	8.2	<.04	1.4	.22	2.6	--	--	208	35
12...	.70	.092	E.005n	.114	9.7	--	9.6	.39	3.4	2.8d	E.6d	148	89
12...	.92	.064	.008	.151	10.4	--	10.6	.37	3.5	2.1d	E.5d	233	80
24...	.28	.026	<.006	.015	4.2	--	.5	<.08	E.6n	E.5d	<.1d	2	69
SEP 07...	.51	<.010	E.003n	.089	8.6	--	1.3	.27	2.9	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	114	62
SEP 16-17	.86	E.006n	<.006	.20oc	13.1	<.04	5.0	.27	2.1	--	--	--	--
SEP 16-17	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 16-17	--	--	--	--	--	--	--	--	--	--	--	2910	12

Remark codes used in this table:

< -- Less than
E -- Estimated value

Value qualifier codes used in this table:

c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
m -- Value is highly variable by this method
n -- Below the LRL and above the LT-MDL
o -- Result determined by alternate method