

**ALTAMAHA RIVER BASIN**  
**2004 Water Year**

**02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA**

**LOCATION.**—Lat 33°40'01", long 83°56'17" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 100 feet upstream of Gees Mill Road bridge, 1.0 miles north of confluence with Big Haynes Creek, and 2.2 miles south of GA 138.

**DRAINAGE AREA.**—260 square miles.

**COOPERATION.**—Rockdale County Department of Water Resources.

**PERIODIC WATER QUALITY RECORDS**

**PERIOD OF RECORD.**—November 01, 2001 to current year.

**REMARKS.**—Medium code 9 indicates a surface water sample and medium code 1 indicates a suspended sediment sample. Hydrologic condition 9 indicates baseflow, 8 indicates rising stage, 5 indicates falling stage, and 4 indicates low stable stage. Hydrologic condition X, indicates not applicable, and is applied to samples with more than one hydrologic condition represented. Sample type 9 indicates a routine sample, and H indicates a composite sample taken by an automatic sampler. Hydrologic event 9 indicates a routine sample, and J indicates runoff due to a storm event. Sampler type code 3044 represents a DH-81, 3052 represents a DH-95 with a plastic bottle, 3070 represents a grab sampler, 3080 represents a VOC hand sampler, and 4115 represents an automatic point sampler. Sampling method code 10 indicates Equal-Width-Increment, 50 indicates point sample, 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 (BOD-5) during the period of October through September were analyzed by the US Geological Survey, Ocala Water-Quality Laboratory. Biological Oxygen Demand samples collected during the period of September to current water year were analyzed by Severn-Trent Laboratories, Inc.-Denver, and stored under analyzing agency code 80855. 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, and turbidity are by the U.S. Geological Survey.

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

Date	Time	End 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)	Turb-idity, IR LED light, 90 deg, FNU (63680)	pH, water, unfltrd field, std units (00400)
OCT 15...	1145	--	9	9	9	9	3044	10	80020	3.42	199	11	7.2
NOV 13...	1320	--	9	9	9	9	3080	50	80020	3.50	201	9.0	7.1
DEC 10-11	1050	1030	9	X	H	J	4115	50	80020	--	--	87	7.1
11...	1100	--	9	5	9	9	3052	10	80020	7.13	1250	140	7.5
JAN 14...	1140	--	9	9	9	9	3052	10	80020	3.77	250	11	7.0
25-26	0850	1720	9	X	9	J	4115	50	80020	--	--	150	6.8
FEB 11...	0945	--	9	9	9	9	3052	10	80020	4.34	451	20	7.2
17...	1110	--	9	5	9	9	3052	10	80020	5.68	847	76	6.9
MAR 09...	1145	--	9	9	9	9	3070	10	80020	3.93	313	10	6.9
30-30	1040	1100	9	9	H	J	3070	10	80020	3.76	307	12	7.2
30...	1044	--	9	9	9	J	3070	10	80020	3.76	307	12	7.2
APR 13...	1220	--	9	8	9	9	3052	10	80020	4.71	459	28	6.9
MAY 02-02	0700	2330	9	X	H	J	4115	50	80020	--	--	190	7.1
03...	1025	--	9	5	9	9	3052	10	80020	5.79	774	110	6.9
10...	1150	--	9	9	9	9	3070	70	80020	3.39	181	16	7.2
JUN 09...	0935	--	9	5	9	9	3052	10	80020	3.62	223	27	7.1
22-23	0345	1030	9	X	H	J	4115	50	80020	--	--	--	--
23...	1105	--	9	5	H	9	3052	10	80020	5.38	649	200	7.1
30...	1130	--	1	5	9	9	3052	10	80020	7.82	1550	130	7.1
JUL 12...	0910	--	9	9	9	9	3070	10	80020	3.47	215	20	6.7
28...	0750	--	9	8	9	9	3045	10	80020	4.54	443	52	6.9
AUG 11...	0940	--	9	9	9	9	3070	10	80020	3.25	176	15	6.6
12-13	1620	0130	9	X	H	J	4115	50	80020	--	--	290	6.8
26...	1000	--	9	4	H	9	3044	10	80020	3.36	138	8.2	7.4
SEP 14...	0800	--	9	9	9	9	3070	70	80020	3.72	241	15	6.8
16-18	1715	2215	9	X	H	J	4115	50	80020	--	--	320	7.7
16-18	1716	2216	9	X	H	J	4115	50	80855	--	--	320	7.7
16-18	1717	2217	1	X	H	J	4115	50	81350	--	--	320	7.7

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Date	Toluene water unfltrd ug/L (34010)	trans- 1,2-Di- chloro- ethene, water, unfltrd ug/L (34546)	trans- 1,3-Di- chloro- propene, water, unfltrd ug/L (34699)	Tri- chloro- ethene, water, unfltrd ug/L (39180)	Vinyl chloro- ide, water, unfltrd ug/L (34488)	Xylenes plank- ton, unfltrd ug/L (81551)	Chloro- phyll a phyll b phyto- plank- ton, unfltrd ug/L (70953)	Chloro- phyll b phyto- sediment, water, unfltrd ug/L (70954)	Sus- pended sediment, concen- tration, ug/L (80154)	Sus- pended sediment, dis- charge, mg/L (80155)	Suspnd. sieve diametr percent <.063mm (70331)	
OCT 15...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	E1.2	<.1	9	4.8	74
NOV 13...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	--	--	--	--	--
DEC 10-11	--	--	--	--	--	--	--	--	89	--	58	
11...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	3.0d	E.2d	140	474	53
JAN 14...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	E.6d	<.1d	4	2.8	88
25-26	--	--	--	--	--	--	--	--	139	--	66	
FEB 11...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	E1.6	E.3	14	17	65
17...	--	--	--	--	--	--	--	--	19	43	84	
MAR 09...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	1.0d	<.1d	8	6.4	78
30-30	--	--	--	--	--	--	--	.9d	<.1d	9	7.3	64
30...	--	--	--	--	--	--	--	--	--	--	--	--
APR 13...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	2.4	E.3	36	45	48
MAY 02-02	--	--	--	--	--	--	--	--	222	--	71	
03...	--	--	--	--	--	--	--	3.3d	E.4d	99	207	78
10...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	--	--	--	--	--
JUN 09...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	.9d	E.3d	22	13	78
22-23	--	--	--	--	--	--	--	--	76	--	70	
23...	--	--	--	--	--	--	--	2.2d	<.1d	159	279	86
30...	--	--	--	--	--	--	--	--	52	218	73	
JUL 12...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	1.7d	E.2d	18	10	89
28...	--	--	--	--	--	--	--	5.0d	E.7d	76	91	66
AUG 11...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	--	--	--	--	--
12-13	--	--	--	--	--	--	--	--	196	--	94	
26...	--	--	--	--	--	--	--	--	9	3.4	90	
SEP 14...	<.1	<.1	<.2	<.1	<.2	<.2	<.2	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--
16-18	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes used in this table:

< -- Less than

E -- Estimated value

M -- Presence verified, not quantified

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

t -- Below the long-term MDL

Null value qualifier codes used in this table:

u -- Unable to determine-matrix interference