

**ALTAMAHA RIVER BASIN
2004 Water Year**

02207414 RANDY POYNTER LAKE AT SPILLWAY, NEAR MILSTEAD, GA

LOCATION.—Lat 33°43'49", long 83°56'11" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, on east side of channel upstream of Jack Turner Dam, up on gated Rockdale County gravel maintenance road, 0.8 miles west of GA 138, and 8.8 miles northeast of Conyers.

DRAINAGE AREA.—43.3 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—December 3, 2002, to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Hydrologic condition 9 indicates baseflow, and 8 indicates rising stage. Sample type 9 indicates a routine sample. Hydrologic event 9 indicates a routine sample. Sampler type code 3060 represents a weighted-bottle sampler. Sampling method code 30 indicates single vertical sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis of Biological Oxygen Demand (BOD-5) during the period of October through September 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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02207414 RANDY POYNTER LAKE AT SPILLWAY, NEAR MILSTEAD, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 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)	Lake or reser-voir elev-ation, NGVD feet (62614)	Turb-idity, IR LED light, det ang 90 deg, FNU (63680)	pH, unfltrd water, field, std units (00400)	Specif. conduc-tance, wat unfltrd uS/cm 25 degC (00095)	Baro-metric pres-sure, mm Hg (00025)
OCT													
16...	0850	9	9	9	9	3060	30	80020	732.06	4.0	6.6	70	749
NOV													
12...	1150	9	9	9	9	3060	30	80020	733.41	3.6	8.6	45	749
DEC													
11...	1000	9	9	9	9	3060	30	80020	734.39	--	--	--	739
JAN													
21...	1050	9	9	9	9	3060	30	80020	734.38	5.8	6.6	49	745
FEB													
17...	1015	9	9	9	9	3060	30	80020	735.02	7.5	6.9	47	--
MAR													
17...	1015	9	9	9	9	3060	30	80020	734.83	4.5	7.1	47	741
APR													
05...	1050	9	9	9	9	3060	30	80020	734.06	--	7.2	46	740
MAY													
26...	0910	9	9	9	9	3060	30	80020	734.21	3.0	7.0	48	744
JUN													
07...	0915	9	9	9	9	3060	30	80020	733.99	2.8	7.5	50	746
JUL													
20...	0915	9	9	9	9	3060	30	80020	734.06	5.0	6.7	55	745
AUG													
02...	0920	9	9	9	9	3060	30	80020	734.12	3.0	6.5	53	744
16...	0730	9	9	9	9	3060	30	80020	734.28	5.2	7.8	53	743
SEP													
16...	1440	9	8	9	9	3060	30	80020	734.33	8.1	6.5	51	--

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

Date	Temper-ature, water, deg C (00010)	Temper-ature, air, deg C (00020)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Dis-solved oxygen, mg/L (00300)	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)	Hard-ness, water, mg/L as CaCO3 (00900)	Ammonia + org-N, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Organic nitro-gen, water, unfltrd mg/L (00605)
OCT													
16...	13.0	17.2	1.0	1.9	4k	3.15	.838	11	.58	.247	.32	E.011n	.33
NOV													
12...	17.8	23.7	--	8.7	24	--	--	--	--	--	--	--	--
DEC													
11...	--	5.5	.6	--	E4k	3.41	.835	12	.66	.393d	.51	.121	.27
JAN													
21...	7.3	9.6	.9	11.4	E3k	2.55	.626	9	.58	.272	.35	.250	.31
FEB													
17...	6.6	3.1	1.3	--	E5k	2.33	.542	8	.51	.149	.19	.388	.36
MAR													
17...	9.3	12.8	.8	10.2	E1k	2.67	.767	10	.23	.032	.04	.406	.20
APR													
05...	14.1	11.5	.4	6.5	E1k	2.33	.576	8	.23	.031	.04	.502	.19
MAY													
26...	14.5	27.1	1.0	8.2	E1k	2.86	.767	10	.28	.073	.09	.314	.21
JUN													
07...	15.6	24.0	<.1	8.3	E1k	2.54	.652	9	.27	.075	.10	.379	.19
JUL													
20...	15.9	--	2.0	5.0	E2k	2.88	.741	10	.41	.120	.15	.193	.29
AUG													
02...	18.5	27.2	<2.0	6.1	--1	2.93	.732	10	.29	.066	.08	.092	.22
16...	16.7	--	2.6	2.4	--	2.85	.724	10	.50	.078	.10	.024	.42
SEP													
16...	--	--	--	--	>60k	2.55	.637	9	.46	.166	.21	.028	.29

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

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, unfltrd, mg/L (00600)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Organic carbon, water, unfltrd, mg/L (00680)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)
OCT 16...	<.006	.015	--	<.4	.10	E.4n	4.1	E3.7d	<.1d
NOV 12...	--	--	--	--	--	--	4.1	E9.1	E.2
DEC 11...	<.006	.011	.78	<.4	E.08n	E.5n	3.5	4.4d	<.1d
JAN 21...	<.006	.012	.83	E.4n	<.08	2.1	2.7	E2.4d	<.1d
FEB 17...	<.006	.017	.90	.4	E.06n	2.9	2.9	E6.4	<.1
MAR 17...	<.006	.011	.64	E.4n	E.06n	1.4	3.3	3.9d	<.1d
APR 05...	<.006	.011	.73	.6	E.06n	1.6	2.9	2.0d	E.2d
MAY 26...	<.006	.013	.60	E.3n	<.08	1.3	2.4	4.0d	E.2d
JUN 07...	<.006	.174	.65	.5	<.08	1.4	3.2	2.8d	<.1d
JUL 20...	<.006	.008	.60	E.4n	<.08	1.6	4.1	E7.5d	E.7d
AUG 02...	<.006	.013	.38	<.4	<.08	1.7	4.1	E.9d	E.2d
AUG 16...	<.006	.016	.53	1.1	.24	1.4	4.5	14.0d	2.8d
SEP 16...	<.006	.018	.49	E.3n	<.08	1.5	4.2	--	--

Remark codes used in this table:

- < -- Less than
- > -- Greater than
- E -- Estimated value

Value qualifier codes used in this table:

- d -- Diluted sample: method hi range exceeded
- k -- Counts outside acceptable range
- n -- Below the LRL and above the LT-MDL

Null value qualifier codes used in this table:

- l -- Analysis discarded: lab QC failure