

**APALACHICOLA RIVER BASIN  
2004 Water Year**

**02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA**

**LOCATION.**—Lat 33°54'20", long 84°13'30", referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, at downstream side of bridge on Graves Road, 0.3 miles East of I-85 North.

**DRAINAGE AREA.**—1.42 square miles.

**COOPERATION.**—Gwinnett County Department of Public Utilities.

**PERIODIC WATER-QUALITY RECORDS**

**PERIOD OF RECORD.**—August 19, 1976 to current year.

**REMARKS.**— Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory, Denver, CO. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

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

Date	Time	End time	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Instan-taneous dis-charge, cfs (00061)	Gage height, feet (00065)	Turbdty white light, det ang 90 degrees NTU (63675)	Turbdty white light, det ang 90 corrcrtd NTRU (63676)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Fecal coli-form, M-FC col/100 mL (31625)	Calcium water, fltrd, mg/L (00915)	Hard-ness, water, mg/L as CaCO3 (00900)
OCT 20...	1445	--	9	81213	.77	1.56	--	7.6	--	--	51	--	--
OCT 26-26	0830	0840	J	81213	22	2.15	--	300	--	--	1200	--	--
DEC 09...	1340	--	9	81213	.71	1.61	--	11	--	--	--	--	--
FEB 06-06	0818	0822	J	81213	64	2.47	--	--	--	--	E180	--	--
MAR 02...	1345	--	9	81213	1.7	1.65	--	6.2	--	--	160	--	--
MAR 24...	1020	--	9	81213	2.5	1.70	--	14	--	--	120	--	--
MAR 30-30	0700	0710	J	81213	64	2.47	--	140	--	--	5100	--	--
APR 26-26	0820	0825	J	81213	19	2.11	--	65	--	--	3700	--	--
MAY 25...	1330	--	9	81213	1.1	1.60	--	7.3	--	--	380	--	--
JUN 21-21	1350	1355	J	81213	34	2.27	--	310	--	--	19000	--	--
JUL 12...	1140	--	9	81213	.90	1.57	--	18	.5	<5	14000	9.90	32
JUL 25-25	2230	2240	J	80855	993	7.94	490	760	7.4	E13	10000	--	--
AUG 05-05	1550	1930	J	80855	--	--	340	550	6.9	E17	9900	2.90	23

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

Date	Magnesium, water, fltrd, mg/L (00925)	Magnesium, water, unfltrd recover, mg/L (00927)	Loss on ignition, from ROE, wat unfltrd, mg/L (00505)	Residue on evap. at 180degC, wat fltrd, mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue volatile, sus-pended, mg/L (00535)	Nitrite nitrate, water, fltrd, mg/L as N (00631)	Nitrite nitrate, water, unfltrd, mg/L as N (00630)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia org-N, water, unfltrd, mg/L as N (00625)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Cadmium, water, unfltrd, ug/L (01027)
OCT 20...	--	--	--	69	6	3	.45	.470	A.062	<.20	<.02	.03	--
OCT 26-26	--	--	--	44	281	45	1.00	1.00	.600	1.5	.05	.15	--
DEC 09...	--	--	--	58	4	1	.41	.410	A.083	<.20	.02	.07	--
FEB 06-06	--	--	--	32	90	18	.76	.780	A.438	.70	.03	.11	--
MAR 02...	--	--	--	58	3	2	.28	.400	A.042	<.20	.07	.16	--
MAR 24...	--	--	--	66	<1	<1	.35	.360	A.040	<.20	.10	.18	--
MAR 30-30	--	--	--	38	169	E39	.61	.660	.366	1.8	.07	.44	--
APR 26-26	--	--	--	57	70	21	.73	.740	.500	1.8	.14	.46	--
MAY 25...	--	--	--	65	5	1	.27	.360	A.070	.20	.09	.19	--
JUN 21-21	--	--	--	49	361	54	.62	.620	A.284	1.2	.11	.54	--
JUL 12...	1.80	--	--	70	13	1	.47	.470	A.089	<.20	<.02	.03	<.5
JUL 25-25	--	--	38	100	870	180	.360	.310	.380	1.4	E.021	.120	--
AUG 05-05	.40	2.9	120	54	610	41	.440	.430	.260	.90	E.020	.180	<5

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

Date	Chromium, water, unfltrd recover, ug/L (01034)	Copper, water, unfltrd recover, ug/L (01042)	Lead, water, unfltrd recover, ug/L (01051)	Manganese, water, unfltrd recover, ug/L (01055)	Zinc, water, unfltrd recover, ug/L (01092)	Organic carbon, water, unfltrd, mg/L (00680)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Suspended sedi-ment concentration, mg/L (80154)
OCT 20...	--	--	--	--	--	1.3	--	6
OCT 26-26	--	--	--	--	--	9.1	--	--
DEC 09...	--	--	--	--	--	1.1	--	4
FEB 06-06	--	--	--	--	--	2.2	64	135
MAR 02...	--	--	--	--	--	.9	--	4
MAR 24...	--	--	--	--	--	.9	--	11
MAR 30-30	--	--	--	--	--	4.8	34	207
APR 26-26	--	--	--	--	--	11.0	38	69
MAY 25...	--	--	--	--	--	1.4	--	6
JUN 21-21	--	--	--	--	--	4.7	69	424
JUL 12...	<1	<2	<2	511	15	2.6	--	20
JUL 25-25	--	--	--	--	--	--	40	1980
AUG 05-05	12	20	M	1000	170	--	53	1150

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

Date	Time	Hydro-logic event	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)	Instan- taneous dis- charge, cfs (00061)	Gage height, feet (00065)	Dis- solved oxygen, percent of sat- uration (00301)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT													
20...	1449	9	7.20	.77	1.56	100	9.5	6.7	97	17.5	--	--	--
20...	1450	9	4.70	.77	1.56	99	9.5	6.7	97	17.5	--	--	--
20...	1451	9	2.20	.77	1.56	99	9.5	6.7	97	17.5	--	--	--
26...	0829	J	9.00	22	2.16	98	9.2	6.0	67	17.4	410	76	316
26...	0831	J	5.00	22	2.16	98	9.2	6.0	67	17.4	430	79	330
26...	0832	J	1.00	22	2.16	98	9.2	6.0	67	17.4	420	79	329
DEC													
09...	1344	9	7.50	.71	1.61	124	13.4	7.1	89	11.0	17	--	5
09...	1345	9	4.50	.71	1.61	123	13.2	7.1	89	11.0	17	--	6
09...	1346	9	1.50	.71	1.61	122	13.2	7.1	89	11.0	25	--	7
FEB													
06...	0823	J	11.0	73	2.52	108	13.5	6.7	46	5.9	120	61	95
06...	0824	J	7.00	73	2.52	108	13.3	6.7	47	5.9	120	58	126
06...	0825	J	3.00	73	2.52	106	13.2	6.7	47	5.9	120	57	122
MAR													
02...	1353	9	7.50	1.7	1.65	121	11.9	7.1	83	15.2	8.3	--	--
02...	1354	9	5.00	1.7	1.65	120	11.8	7.1	83	15.2	7.4	--	--
02...	1355	9	2.50	1.7	1.65	119	11.7	7.1	83	15.2	7.2	--	--
24...	1024	9	4.00	2.5	1.70	123	13.6	7.2	82	11.0	9.8	--	--
24...	1025	9	3.00	2.5	1.70	123	13.6	7.2	79	11.0	18	--	--
24...	1026	9	2.00	2.5	1.70	123	13.7	7.2	82	11.0	24	--	--
30...	0710	J	2.00	51	2.39	98	9.7	6.7	43	14.7	170	67	139
30...	0711	J	4.00	51	2.39	98	9.6	6.7	43	14.7	170	59	157
30...	0712	J	6.00	51	2.39	98	9.6	6.7	43	14.7	160	74	154
APR													
26...	0826	J	7.00	18	2.10	93	8.6	6.8	71	18.6	83	27	111
26...	0828	J	5.00	18	2.10	92	8.7	6.8	71	18.6	77	63	112
26...	0830	J	3.00	18	2.10	92	8.6	6.8	71	18.6	97	73	132
MAY													
25...	1334	9	1.00	1.1	1.60	96	8.4	6.5	77	21.9	8.3	--	--
25...	1335	9	3.00	1.1	1.60	96	8.4	6.5	77	21.9	7.3	--	--
25...	1336	9	5.00	1.1	1.60	96	8.4	6.5	77	21.9	11	--	--
JUN													
21...	1400	J	7.00	30	2.23	101	8.6	6.8	62	23.5	310	73	371
21...	1401	J	5.00	30	2.23	100	8.5	6.8	61	23.5	330	75	386
21...	1402	J	3.00	30	2.23	99	8.4	6.8	61	23.5	330	73	386
JUL													
12...	1154	9	5.50	.90	1.57	103	8.3	7.2	92	24.7	17	--	--
12...	1155	9	3.50	.90	1.57	103	8.3	7.2	92	24.7	20	--	--
12...	1156	9	1.50	.90	1.57	103	8.3	7.2	92	24.7	18	--	--
25...	2250	J	5.00	715	6.06	96	8.0	6.3	25	23.3	950	--	--
25...	2251	J	10.0	715	6.06	96	8.0	6.3	23	23.3	1500	--	--
25...	2252	J	15.0	715	6.06	96	8.0	6.3	25	23.3	620	--	--
AUG													
05...	1608	J	6.00	276	3.57	98	7.7	6.7	36	25.8	800	--	--
05...	1609	J	12.0	276	3.57	98	7.7	6.7	36	25.9	780	--	--
05...	1610	J	18.0	276	3.57	98	7.7	6.7	36	26.0	770	--	--

Remark codes used in this table:

- < -- Less than
- A -- Average value
- E -- Estimated value
- M -- Presence verified, not quantified