02217525 MCNUTT CREEK AT MAL BAY ROAD, AT ATHENS, GA

Altamaha River Basin

WATER-QUALITY RECORDS

COOPERATION.--Georgia Environmental Protection Division (GAEPD).

PERIOD OF RECORD.--February 2004 to December 2004 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 80855 are by the Severn-Trent Laboratory - Denver, Arvada, Colorado; laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water-Quality and Research Laboratory; laboratory analyses with analyzing agency code 81330 are by the Agricultural and Environmental Services Laboratory, College of Agricultural and Environmental Sciences, The University of Georgia, Athens, Georgia. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

Date	Time	Time Datum	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Turbdty white light, det ang 90+/-30 degrees NTU (63675)	Baro- metric pres- sure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)
Oct												
06...	1330	EST	1028	80855	12	5.1	760	2.3	9.3	98	7.3	7.3
Nov												
03...	1100	EST	1028	80855	>30	92d	748	--	8.7	97	--	7.1
Dec												
08...	1530	EST	1028	80855	16	12	753	2.2	10.1	98	7.1	7.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 2 of 2

[Remark codes: <, less than; >, greater than; M, presence verified but not quantified. Value qualifier codes: d, diluted sample: method hi range exceeded; v, analyte detected in laboratory blank.]

Date	Specif. conduc- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
Oct											
06...	60	62	20.0	17.6	22	6	<.100	.280	<.050	2.2v	<2.0
Nov											
03...	54	54	24.0	19.8	14	76d	<.100	.250	.050	6.9	4.0
Dec											
08...	57	55	18.0	13.5	15	21	<.100	.380	<.05	2.2	<2.0

02217525 MCNUTT CREEK AT MAL BAY ROAD, AT ATHENS, GA—Continued

Date	Time	Time Datum	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbdty white light, det ang 90+/-30 degrees NTU (63675)	Turbidity, NTU (00076)	Barometric pressure, mm Hg (00025)	Carbon dioxide water, unfltrd mg/L (00405)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)
Feb												
04...	1530	EST	1028	81213	9.4	--	7.0	756	1.6	12.3	104	7.3
11...	1320	EST	1028	81330	9.7	--	--	754	--	11.8	102	7.1
18...	1145	EST	1028	81330	13	--	--	753	--	11.6	97	6.8
24...	1515	EST	1028	81213	12	--	11	746	3.1	10.8	98	7.0
Mar												
09...	1435	EST	1028	81213	8.7	--	7.2	747	1.9	11.0	105	7.3
15...	1120	EST	1028	81330	8.9	--	--	756	--	10.8	104	7.8
25...	0850	EST	1028	81330	8.7	--	--	758	--	11.0	98	7.0
Apr												
06...	1100	EST	1028	81213	7.9	--	4.0	749	4.3	11.0	105	7.0
May												
19...	1030	EST	1028	81213	8.4	--	11	757	3.5	7.5	83	7.1
Jun												
23...	1515	EST	1028	81213	8.6	--	8.5	753	2.8	8.0	96	7.2
30...	0825	EST	1028	81330	<5.2	--	--	755	--	7.9	91	6.8
Jul												
14...	1425	EST	1028	81330	5.8	--	--	749	--	8.1	99	7.4
21...	1415	EST	1028	80855	6.2	3.6	--	752	5.4	10.0	117	6.9
Aug												
25...	1400	EST	1028	80855	6.2	5.4	--	756	2.2	8.9	103	7.3
30...	0805	EST	1028	81330	5.3	--	--	750	--	7.6	87	7.2
Sep												
15...	1340	EST	1028	81330	10	--	--	756	--	8.5	94	7.2
23...	0655	EST	1028	80855	12	6.7	--	755	1.3	9.5	99	7.5

02217525 MCNUTT CREEK AT MAL BAY ROAD, AT ATHENS, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Part 2 of 4

[Remark codes: <, less than; M, presence verified but not quantified. Value qualifier codes: v, analyte detected in laboratory blank.]

Date	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water unfltrd mg/L (71845)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)
Feb													
04...	7.3	55	56	11.7	7.5	--	--	16	6	.18	.14	.520	<.02
11...	--	--	55	11.4	8.5	--	--	--	--	--	--	--	--
18...	--	--	53	11.5	7.0	--	--	--	--	--	--	--	--
24...	7.2	58	61	11.9	10.3	--	--	18	8	.13	.10	.580	.03
Mar													
09...	7.5	56	57	17.7	12.4	--	--	19	18	.04	.03	.450	<.02
15...	--	--	58	18.5	13.0	--	--	--	--	--	--	--	--
25...	--	--	57	12.1	10.2	--	--	--	--	--	--	--	--
Apr													
06...	7.4	56	56	16.5	12.4	3.70	1.40	20	6	.03	.02	.340	<.02
May													
19...	7.1	60	59	22.8	19.5	--	--	21	42	.10	.08	.380	.06
Jun													
23...	6.8	61	62	27.9	23.5	--	--	21	5	.05	.04	.380	.03
30...	--	--	60	23.1	22.0	--	--	--	--	--	--	--	--
Jul													
14...	--	--	63	35.0	24.5	--	--	--	--	--	--	--	--
21...	7.5	71	58	31.6	22.5	4.3	1.4	21	<4	--	<.100	.390	<.050
Aug													
25...	7.6	68	61	28.6	22.6	--	--	21	48	--	<.100	.320	<.050
30...	--	--	60	20.6	21.3	--	--	--	--	--	--	--	--
Sep													
15...	--	--	64	23.7	19.9	--	--	--	--	--	--	--	--
23...	7.4	62	62	14.7	16.8	--	--	21	6	--	<.100	.350	<.050

02217525 MCNUTT CREEK AT MAL BAY ROAD, AT ATHENS, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
Part 3 of 4
[Remark codes: <, less than; M, presence verified but not quantified. Value qualifier codes: v, analyte detected in laboratory blank.]

Date	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, A1broth water, MPN/ 100mL (31621)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Fecal coli-form, EC med, SM 9221E.1 MPN (31685)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover -able, ug/L (01034)	Copper, water, unfltrd recover -able, ug/L (01042)	Lead, water, unfltrd recover -able, ug/L (01051)	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)
Feb													
04...	1.5	.3	--	70	--	--	--	--	--	--	--	--	--
11...	--	--	20	--	--	--	--	--	--	--	--	--	--
18...	--	--	20	--	--	--	--	--	--	--	--	--	--
24...	1.7	.2	--	230	--	--	--	--	--	--	--	--	--
Mar													
09...	1.2	.8	--	790	--	--	--	--	--	--	--	--	--
15...	--	--	140	--	--	--	--	--	--	--	--	--	--
25...	--	--	170	--	--	--	--	--	--	--	--	--	--
Apr													
06...	1.3	.1	--	80	--	<1	<4	<.5	<1	<2	.4	<1	<4
May													
19...	2.1	1.0	--	--	--	--	--	--	--	--	--	--	--
Jun													
23...	3.8	.7	--	310	--	--	--	--	--	--	--	--	--
30...	--	--	80	--	--	--	--	--	--	--	--	--	--
Jul													
14...	--	--	80	--	--	--	--	--	--	--	--	--	--
21...	<1.0	<2.0	--	--	170	<5	<15	<5	<10	<10	<1.0v	<40	<15
Aug													
25...	1.3	<2.0	--	--	38	--	--	--	--	--	--	--	--
30...	--	--	1,300	--	--	--	--	--	--	--	--	--	--
Sep													
15...	--	--	500	--	--	--	--	--	--	--	--	--	--
23...	2.2v	<2.0	--	--	500	--	--	--	--	--	--	--	--

02217525 MCNUTT CREEK AT MAL BAY ROAD, AT ATHENS, GA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2003
TO SEPTEMBER 2004

Part 4 of 4

[Remark codes: <, less than; M, presence verified but not quantified. Value qualifier codes: v, analyte detected in laboratory blank.]

Date	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
Feb		
04...	--	--
11...	--	--
18...	--	--
24...	--	--
Mar		
09...	--	--
15...	--	--
25...	--	--
Apr		
06...	<2	4
May		
19...	--	--
Jun		
23...	--	--
30...	--	--
Jul		
14...	--	--
21...	<5	<20
Aug		
25...	--	--
30...	--	--
Sep		
15...	--	--
23...	--	--