

DEKALB COUNTY , GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: August 2010

Site: South River: @ Moreland Ave

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
:UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
8/2/2010	9:40	7.8	4.6	25.2	147	13	3	<0.10	ND	0.1	4600	5
DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity						
:UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *						
8/2/2010	<1.0	12.6	9.49	62.3	48	20						

Site: Entrenchment Creek : Before entering the South River

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
:UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
8/9/2010	9:20	7.2	7.3	24.9	249	7	2	0.36	ND	0.11	29000	5

Site: South River: @ Bouldercrest Road

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal	Solid TSS
:UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	#/100 mL	mg/L
8/2/2010	9:20	7.6	5.8	25.5	159	33	2	<0.10	ND	0.11	6000	1
8/9/2010	9:20	7.7	7.6	25.2	204	6	<2	<0.10	ND	0.06	3700	6
8/16/2010	9:15	7.2	6.2	25.4	175	10	2	<0.10	ND	0.22	2300	8
8/23/2010	9:20	6.9	6.4	24.7	242	21	2	<0.10	ND	0.12	4300	11
DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity						
:UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *						
8/2/2010	<1.0	14	5	40	52	35						

Notes: Cond (Conductivity), BOD (Biochemical Oxygen Demand 5-Day), TSS (Total Suspended Solids), mg/L* (mg/L as Calcium carbonate), NTU (Nephelometric Turbidity Units), cfu (colony forming units), mg/L (milligram per liter), ug/L (micro gram per liter), ND (no data)

DEKALB COUNTY, GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: August 2010

Site: South River: @ Flakes Mill Road (Above Snapfinger WPCP)

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
:UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
8/2/2010	8:55	7.6	5.8	26.1	125	8	<2	<0.10	0.58	0.04	4700	<1
8/9/2010	9:00	7.9	7.9	25.4	174	12	<2	<0.10	ND	0.06	4600	12
8/16/2010	8:50	7.2	5.7	25.4	135	9	<2	<0.10	ND	0.04	1400	15
8/23/2010	8:55	7.3	5.8	25.5	164	12	<2	<0.10	ND	0.06	4700	9
DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity						
:UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *						
8/2/2010	<1.0	7	4	21	41	42						

Site: South River: Below Snapfinger WPCP

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
:UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
8/2/2010	8:45	8.1	4.6	25.8	293	7	2	1.15	4.66	0.16	1600	5
8/9/2010	8:50	8.7	7.9	25.3	366	40	2	1.13	ND	0.29	2400	77
8/16/2010	8:45	7.2	5.5	25.4	321	7	<2	<0.10	ND	0.07	300	5
8/23/2010	8:50	7.7	5.8	25.6	311	9	<2	<0.10	ND	0.07	1100	9
DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity						
:UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *						
8/2/2010	<1.0	11	9	31	65	51						

Site: South River: @ Highway 155 (South River above Pole Bridge WPCP)

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal	Solid TSS
:UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
8/2/2010	12:15	7.6	7.1	26.3	305	8	<2	0.59	ND	0.09	400	1
8/9/2010	11:45	7.7	10.1	26.3	175	10	<2	1.02	ND	0.07	500	7
8/16/2010	10:50	7.0	7.4	26.5	317	5	<2	<0.10	ND	0.07	2000	3
8/23/2010	12:55	7.6	7.0	27.0	253	14	<2	<0.10	ND	0.08	780	13
DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity						
:UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *						
8/2/2010	<1.0	11	4	30	29	50						

Notes: Cond (Conductivity), BOD (Biochemical Oxygen Demand 5-Day), TSS (Total Suspended Solids), mg/L* (mg/L as Calcium carbonate), NTU (Nephelometric Turbidity Units), cfu (colony forming units), mg/L (milligram per liter), ug/L (micro gram per liter), ND (no data)

DEKALB COUNTY , GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: August 2010

Site: South River: Below Pole Bridge LAS and Above Pole Bridge WPCP

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
;UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
8/2/2010	11:05	8.0	4.7	25.5	277	7	<2	<0.10	4.1	0.06	540	6
8/9/2010	11:15	7.3	8.2	26.6	322	9	<2	0.39	ND	0.06	1000	12
8/16/2010	10:15	5.3	6.3	25.8	316	7	2	<0.10	ND	0.07	900	10
8/23/2010	12:20	7.6	4.5	27.0	248	15	<2	<0.10	ND	0.05	800	17
DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity						
;UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *						
8/2/2010	<1.0	11	4	30	29	50						

Site: South River: Below Pole Bridge WPCP

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	Ammonia	Nitrite/Nitrate	Phosphorus, total	Fecal, coliform	Solid TSS
;UNITS	TIME	SU	mg/L	Deg C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
8/2/2010	11:45	7.2	5.9	26.3	296	7	2	<0.10	3.81	0.1	380	2
8/9/2010	11:20	7.8	7.9	26.4	330	11	<2	0.31	ND	0.09	820	12
8/16/2010	10:30	5.7	5.8	25.9	322	5	<2	<0.10	ND	0.07	540	12
8/23/2010	12:30	7.6	4.9	27.0	265	15	<2	<0.10	ND	0.07	440	13
DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity						
;UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *						
8/2/2010	<1.0	11	3	28	56	42						

Site: South River: @ Klondike Road

DATE	TIME	pH, field	DO, field	Temp, field	Cond, field	Turbidity	BOD-5	NH3	NO2NO3	P-Total	Fecal, coliform	Solid TSS
;UNITS	TIME	SU	mg/L	Deg-C	umho/cm	NTU	mg/L	mg/L as N	mg/L as N	mg/L as P	cfu / 100 mL	mg/L
8/5/2010	8:55	7.0	6.6	26.9	294	16	<2	0.16	ND	0.08	580	11

Notes: Cond (Conductivity), BOD (Biochemical Oxygen Demand 5-Day), TSS (Total Suspended Solids), mg/L* (mg/L as Calcium carbonate), NTU (Nephelometric Turbidity Units), cfu (colony forming units), mg/L (milligram per liter), ug/L (micro gram per liter), ND (no data)