

DEKALB COUNTY, GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: November 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
11/15/2010	9:37	7.4	9.8	14.4	46	108	5	0.14	N D	0.18	4800	123

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
11/1/2010	9:25	7.4	7.4	12.2	232	10	2	0.19	1.9	0.15	4500	2

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
:UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
11/1/2010	9:25	<1.0	47	7	18	68	45

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
11/1/2010	9:15	7.2	7.3	12.3	181	11	2	0.11	0.9	0.03	1400	5
11/15/2010	9:19	7.3	7.1	14.5	99	52	7	0.10	N D	0.04	7000	72
11/22/2010	9:00	7.4	7.4	10.6	179	3	<2	<0.10	N D	0.03	210	3

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
:UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
11/1/2010	9:15	<1.0	47	4	11	59	44

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), N D (no data)

DEKALB COUNTY, GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: November 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
11/1/2010	8:55	7.7	9.3	12.7	134	13	<2	<0.10	0.5	0.03	670	4
11/15/2010	9:03	7.4	11.0	13.4	58	7	2	0.47	N D	0.01	410	5
11/22/2010	8:45	7.1	7.6	10.4	134	4	<2	<0.10	N D	0.02	N D	4

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
:UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
11/1/2010	8:55	<1.0	48	7	12	39	30

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
11/1/2010	8:40	7.3	7.5	14.5	352	7	<2	<0.10	7.2	0.15	390	5
11/15/2010	8:47	7.3	9.5	14.7	296	6	2	<0.10	N D	0.06	410	5
11/22/2010	8:30	7.3	7.7	10.4	342	3	<2	0.10	N D	0.08	100	2

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
:UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
11/1/2010	8:40	<1.0	45	6	12	88	41

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
11/1/2010	10:30	7.1	8.9	15.5	346	9	<2	<0.10	7.8	0.06	180	1
11/15/2010	10:15	7.5	10.8	14.5	329	2	<2	<0.10	N D	0.05	250	3
11/22/2010	10:30	7.0	7.0	11.6	323	3	2	<0.10	N D	0.04	N D	4

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
:UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
11/1/2010	10:30	<1.0	48	6	13	76	42

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), N D (no data)

DEKALB COUNTY, GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: November 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
11/1/2010	10:50	7.2	8.2	14.5	325	18	<2	<0.10	6.1	0.08	470	22
11/15/2010	10:30	7.6	9.2	13.8	323	4	<2	0.10	N D	0.19	270	6
11/22/2010	10:40	7.0	7.0	11.4	317	5	<2	<0.10	N D	0.04	N D	4

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
11/1/2010	10:50	<1.0	46	2	1	81	40

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
11/1/2010	11:10	7.3	6.7	15.4	326	9	<2	0.34	4.7	0.05	350	9
11/15/2010	10:44	7.5	9.5	14.9	324	7	<2	0.11	N D	0.05	270	4
11/22/2010	10:45	7.1	7.3	11.6	320	3	<2	<0.10	N D	0.05	110	2

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	TIME	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
11/1/2010	11:10	<1.0	42	6	17	68	43

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
11/15/2010	11:00	7.5	8.8	13.7	276	6	2	<0.10	N D	0.04	380	9

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), N D (no data)