

DEKALB COUNTY, GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: January 2011

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

No Sample Collected

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
1/3/2011	10:05	6.7	6.9	9.5	384	34	13	0.5	1.0	0.4	380	19

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 *
1/3/2011	10:05	<1.0	63	14	60	36	22

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
1/3/2011	9:45	7.2	9.4	6.9	275	26	8	0.4	0.8	0.21	1700	12
1/24/2011	9:05	7.8	12.3	3.6	208	5	<2	0.2		0.02	2300	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 *
1/3/2011	9:45	<1.0	77	9.4	60	42	22

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: January 2011

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
1/3/2011	9:20	7.2	12.2	6.5	125	15	2	<0.10	0.8	0.04	2900	6
1/24/2011	8:45	8.4	13.4	4.0	158	5	<2	<0.10		0.02	420	2

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
1/3/2011	9:20	<1.0	63	14	36	34	26

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
1/3/2011	9:10	7.5	13.2	9.2	283	14	<2	0.1	4.6	0.09	2600	7
1/24/2011	8:35	8.2	13.1	3.6	158	4	2	<0.10		0.02	400	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 *
1/3/2011	9:10	<1.0	25	<1.0	<1.0	65	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
1/3/2011	10:40	7.5	11.7	8.2	225	13	<2	<0.10	3.3	0.05	2200	5
1/24/2011	11:35	7.8	12.7	4.1	214	6	2	0.1		0.06	90	19

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 *
1/3/2011	10:40	<1.0	55	7.1	21	50	32

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: January 2011

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
1/3/2011	11:10	7.6	10.6	8.4	230	16	2	<0.10	3.7	0.07	1100	11
1/24/2011	11:10	7.8	12.6	4.3	303	7	2	0.14		0.05	20	21

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 *
1/3/2011	11:10	<1.0	55.4	7.2	21.4	54	32

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
1/3/2011	11:35	7.6	9.8	9.1	245	16	<2	0.38	3.5	0.08	1700	7
1/24/2011	11:15	7.9	12.5	4.4	149	5	<2	<0.10		0.04	110	18

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 *
1/3/2011	11:35	<1.0	28.6	<1.0	22.4	51	33

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
<i>No sample collected</i>												

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)