

DEKALB COUNTY , GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: April 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
		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
4/11/2011	9:30	7.5	8	18.6	174	5	2	<0.10	-	0.01	2100	1

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
		ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
4/11/2011	9:30	<1.0	56	3	7	69	50

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
		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
4/4/2011	9:05	7.5	8.4	13.4	102	6	2	0.33	-	0.06	410	2

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
		ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
4/4/2011	9:05	<1.0	50	17	40	72	26

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
		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
4/4/2011	8:55	7.7	7.1	14.0	250	5	<2	0.12	-	0.03	>60000	3
4/11/2011	9:20	7.5	7.7	18.5	215	5	3	0.10	-	0.02	2200	5
4/18/2011					169	9	2	0.16	-	0.06	7500	7
4/25/2011	9:10	7.5	6.1	19.2	232	10	2	0.02	-	0.02	610	7

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
		ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
4/4/2011	8:55	<1.0	39	13	42	70	52

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: April 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
		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
4/4/2011	8:30	6.6	8.0	14.1	168	6	<2	<0.10	-	0.03	320	5
4/11/2011	9:00	7.3	8.5	18.6	150	4	2	<0.10	-	0.01	290	1
4/18/2011	8:45	6.6	7.6	14.7	105	10	<2	0.12	-	0.05	5400	7
4/25/2011	8:55	7.4	7.3	19	154	7	2	0.05	-	0.02	16000	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 *					
4/4/2011	8:30	<1.0	42	18	35		36					

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
		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
4/4/2011	8:20	7.5	7.4	15.3	316	5	<2	<0.10	-	0.05	110	4
4/11/2011	8:50	7.6	7.6	19.3	298	3	2	<0.10	-	0.02	200	1
4/18/2011	9:10	7.1	8.7	15.4	219	17	2	<0.10	-	0.05	4300	76
4/25/2011	8:45	7.1	6.5	19.4	330	24	2	<0.10	-	0.14	4500	45
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 *					
4/4/2011	8:20	<1.0	46	17	41	77	42					

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
		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
4/4/2011	9:50	7.5	8.3	15.0	257	4	<2	<0.10	-	0.04	120	2
4/11/2011	12:15	7.5	9.4	19.5	254	3	2	<0.10	-	0.01	220	2
4/18/2011	11:55	7.2	7.4	16.1	178	10	<2	<0.10	-	0.22	2100	9
4/25/2011	10:30	7.7	8.1	19.7	291	7	2	<0.10	-	0.04	2400	6
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 *					
4/4/2011	9:50	<1.0	35	15	30	64	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: April 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
		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
4/4/2011	10:15	7.7	7.2	15.1	252	8	<2	<0.10	-	0.04	490	7
4/11/2011	11:10	7.3	7.4	19.9	251	5	2	<0.10	-	0.02	100	2
4/18/2011	12:15	7.7	9.6	16.9	174	9	<2	<0.10	-	0.05	1900	10
4/25/2011	10:45	7.6	7.1	20.1	292	10	2	<0.10	-	0.03	620	23
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 *					
4/4/2011	10:15	<1.0	44	11	32	67	35					

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
		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
4/4/2011	10:35	7.7	7.6	15.4	266	8	<2	0.13	-	0.04	100	3
4/11/2011	11:20	7.3	7.4	20.1	266	6	2	0.31	-	0.02	190	5
4/18/2011	12:25	7.8	8.7	17.4	194	9	<2	0.13	-	0.07	1600	14
4/25/2011	10:55	7.6	7.4	20.1	299	8	2	<0.10	-	0.05	770	13
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 *					
4/4/2011	10:35	<1.0	43	13	31	65	32					

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
		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
4/11/2011	12:00	7.3	7.8	19.5	203	6	2	0.12	-	0.02	130	5
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity					
		ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *					
4/11/2011	12:00	<1.0	<1.0	<1.0	<1.0	62	39					

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)