

DEKALB COUNTY, GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: May, 2012

Site: South River: @ Moreland Ave

DATE	TIME	pH, field SU	DO, field mg/L	Temp, field Deg C	Cond, field umho/cm	Turbidity NTU	BOD-5 mg/L	Ammonia mg/L as N	Nitrite/Nitrate mg/L as N	Phosphorus, total mg/L as P	Fecal, coliform cfu / 100 mL	Solid TSS mg/L
5/14/2012	9:37	7.1	8.1	19	92	13	2	<0.10		0.05	7000	12
DATE	TIME	Cadmium, total ug/L	Copper, total ug/L	Lead, total ug/L	Zinc, total ug/L	Hardness mg/L *						
5/14/2012	9:37	<1.0	38	3.9	15	33						

Site: Entrenchment Creek : Before entering the South River

DATE	TIME	pH, field SU	DO, field mg/L	Temp, field Deg C	Cond, field umho/cm	Turbidity NTU	BOD-5 mg/L	Ammonia mg/L as N	Nitrite/Nitrate mg/L as N	Phosphorus, total mg/L as P	Fecal, coliform cfu / 100 mL	Solid TSS mg/L
5/7/2012	9:50	7.5	4.1	21.9	231	3	<2	0.15		0.11	1700	2
DATE	TIME	Cadmium, total ug/L	Copper, total ug/L	Lead, total ug/L	Zinc, total ug/L	Hardness mg/L *						
5/7/2012	9:50	<1.0	38.3	7.17	12.9	60						

Site: South River: @ Bouldercrest Road

DATE	TIME	pH, field SU	DO, field mg/L	Temp, field Deg C	Cond, field umho/cm	Turbidity NTU	BOD-5 mg/L	Ammonia mg/L as N	Nitrite/Nitrate mg/L as N	Phosphorus, total mg/L as P	Fecal #/100 mL	Solid TSS mg/L
5/7/2012	9:25	7.5	6.1	21.9	124	21	4	<0.10		0.08	18000	17
5/14/2012	9:11	6.9	8.7	18.0	88	16	2	<0.10		0.06	9000	11
5/21/2012	9:40	8.6	7.2	20.2	143	2	3	<0.10	0.81	0.07	44000	13
DATE	TIME	Cadmium, total ug/L	Copper, total ug/L	Lead, total ug/L	Zinc, total ug/L	Hardness mg/L *						
5/7/2012	9:25	<1.0	26.6	7.24	28.1	37						

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)

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SOUTH RIVER WATER QUALITY DATA: May, 2012

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
5/7/2012	9:05	7.4	6.1	21.9	144	7	<2	<0.10		0.03	260	3
5/14/2012	8:57	7.5	8.9	18.4	69	26	2	<0.10		0.09	22000	26
5/21/2012	9:05	8.8	6.8	19.6	111	56	3	<0.10	1.01	0.21	25000	39
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
5/7/2012	9:05	<1.0	55.7	5.82	16.4	51						

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
5/7/2012	8:50	7.3	5.5	20.0	400	3	<2	<0.10		0.07	120	1
5/14/2012	8:31	7.2	8.8	19.1	159	26	3	<0.10		0.15	12000	37
5/21/2012	8:50	8.9	7.1	21.1	252	58	4	0.14	5.27	0.18	7200	48
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
5/7/2012	8:50	<1.0	47.4	5.46	15.7	106						

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
5/7/2012	10:25	7.6	7.4	22.7	396	3	<2	<0.10		0.05	430	1
5/14/2012	10:12	7.6	8.9	19.4	118	28	2	<0.10		0.10	8000	25
5/21/2012	10:25	8.5	7.5	21.8	184	43	3	<0.10	2.78	0.14	2900	25
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
5/7/2012	10:25	<1.0	40.4	4.32	14.7	102						

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)

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SOUTH RIVER WATER QUALITY DATA: May, 2012

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
5/7/2012	10:55	7.6	5.0	22.5	375	4	<2	0.10		0.05	390	3
5/14/2012	10:26	7.0	9.1	19.2	106	34	3	<0.10		0.16	16000	21
5/21/2012	10:40	8.2	7.2	21.8	354	8	<2	<0.10	8.24	0.10	1800	14
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
5/7/2012	10:55	<1.0	44.6	4.8	13.4	104						

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
5/7/2012	11:15	7.4	6.4	22.3	91	4	<2	<0.10		0.05	190	3
5/14/2012	10:35	7.0	9.2	19.4	141	32	3	<0.10		0.06	12000	58
5/21/2012	10:55	8.1	6.8	21.7	405	6	<2	<0.10	12.6	0.20	1600	16
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
5/7/2012	11:15	<1.0	46	7.38	37.5	69						

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
5/14/2012	10:52	7.3	8.3	19.1	106	7	2	<0.10		0.12	10000	42
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
5/14/2012	10:52	<1.0	33.8	2.38	9.32	31						

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)