

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

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
6/11/2012	9:50	7.3	6.7	21.7	78	18	2	<0.10	0.33	0.05	7000	15
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
6/11/2012	9:50	<1.0	11.7	7.87	21	21						

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
6/4/2012	10:35	6.7	5.8	21.1	210	4	2	0.11	<0.20	0.13	260	3
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
6/4/2012	10:35	<1.0	5.69	2.66	6.14	65						

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
6/4/2012	10:00	7.5	6.7	20.2	181	4	<2	<0.10	1.88	0.03	180	3
6/11/2012	9:20	7.6	6.9	21.9	72	44	2	0.12	0.45	0.10	8000	26
6/18/2012	9:35	7.7	6.1	22.8	212	2	<2	<0.10	0.84	0.03	370	2
6/25/2012	9:40	7.6	7.0	24.0	196	6	<2	<0.10	0.54	0.03	610	4
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
6/4/2012	10:00	<1.0	4.04	1.53	9.15	67						

Notes: Cond (Conductivity), BOD (Biochemical Oxygen Demand 5-Day), TSS (Total Suspended Solids), mg/L* (mg/L as Calcium carbonate),

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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
6/4/2012	9:40	7.4	7.6	21.1	140	3	<2	<0.10	<0.20	0.02	180	4
6/11/2012	9:00	7.5	6.6	22.0	54	55	2	<0.10	0.42	0.20	10000	29
6/18/2012	9:10	21.2	6.9	21.2	157	6	<2	<0.10	0.44	0.03	220	8
6/25/2012	9:15	8.4	6.6	24.1	145	47	2	<0.10	0.34	0.36	400	69
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
6/4/2012	9:40	<1.0	6.44	3.18	11.7	50						

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
6/4/2012	9:20	7.4	7.9	21.6	415	2	<2	<0.10	21	0.05	1500	2
6/11/2012	8:50	7.6	6.3	22.2	139	57	3	0.36	1.98	0.22	8000	24
6/18/2012	9:00	7.6	6.0	22.1	492	2	<2	<0.10	9.87	0.06	60	3
6/25/2012	8:50	8.5	7.1	24.1	461	4	<2	<0.10	9.5	0.05	150	<1
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
6/4/2012	9:20	<1.0	2.73	1.69	6.83	113						

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
6/4/2012	12:45	7.9	7.8	21.8	417	2	<2	<0.10	19.8	0.04	180	4
6/11/2012	10:15	7.6	7.2	22.4	93	76	3	0.20	1.04	0.22	9000	49
6/18/2012	10:15	8.1	7.4	22.8	503	2	<2	<0.10	9.96	0.04	210	3
6/25/2012	10:45	8.5	7.1	25.0	488	3	<2	<0.10	9.04	0.04	440	5
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
6/4/2012	12:45	<1.0	4.9	2.22	7.97	103						

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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
6/4/2012	11:45	7.5	7.2	21.5	390	4	<	<0.10	17.3	0.04	40	8
6/11/2012	10:30	7.6	6.6	22.4	87	109	4	0.15	0.94	0.38	>60000	96
6/18/2012	10:35	8.1	6.4	22.5	465	5	<	0.12	8.36	0.06	110	17
6/25/2012	10:15	7.7	7.3	24.4	431	7	<	<0.10	7.52	0.04	400	11
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
6/4/2012	11:45	<1.0	7.65	2.83	9.81	94						

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
6/4/2012	12:15	7.5	6.4	20.7	374	4	<	<0.10	19.2	0.06	200	12
6/11/2012	10:40	7.5	6.1	22.2	120	91	4	0.24	1.86	0.35	17000	51
6/18/2012	10:45	8.1	5.6	22.3	446	2	<	0.13	10.2	0.06	180	8
6/25/2012	10:25	7.7	7.5	24.4	411	4	<	<0.10	8.64	0.05	250	2
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
6/4/2012	12:15	<1.0	3.3	1.2	5.93	89						

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
6/11/2012	10:55	7.6	5.6	22.1	94	91	2	0.15	1.01	0.25	10000	41
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
6/11/2012	10:55	<1.0	10.7	18.4	34.8	25						