

DEKALB COUNTY , GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: March 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
3/14/2011	9:40	7.6	8.5	12.8	173	19	2	0.19	ND	0.06	4500	9

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
		ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
3/14/2011	9:40	<1.0	43.8	17.0	45.3	ND	54

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
3/7/2011	9:20	6.8	10.1	11.1	189	19	6	0.72	0.64	0.18	540	15

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
		ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
3/7/2011	9:20	<1.0	51.6	8.7	29.3	43	25

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
3/7/2011	9:05	7.2	9.3	9.3	146	16	4	0.31	0.97	0.09	4700	4
3/21/2011	9:10	7.5	8.1	14.7	183	5	2	0.12		0.03	3100	3
3/28/2011	9:36	7.2	7.3	10.9	79	121	5	0.10		0.35	14000	106

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
		ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
3/7/2011	9:05	<1.0	40	17	42	45	25

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: March 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
3/7/2011	8:50	7.4	10.5	9.5	106	22	2	<0.10	0.72	0.09	4800	17
3/14/2011	9:10	7.4	9.8	13.0	143	10	2	<0.10		0.04	1600	6
3/21/2011	8:50	7.4	10.3	15.0	132	6	<2	<0.10		0.02	220	5
3/28/2011	9:19	7.2	8.3	12.7	56	39	4	<0.10		0.08	1500	14
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity					
3/7/2011	8:50	<1.0	54	8	15	35	24					

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
3/7/2011	8:35	7.8	7.6	10.9	201	17	2	0.17	2.3	0.06	3800	11
3/14/2011	9:00	7.1	9.1	14.0	249	7	2	0.11		0.06	490	5
3/21/2011	8:35	7.6	8.9	15.6	273	10	2	0.43		0.04	190	<1
3/28/2011	9:07	7.7	8.7	11.8	118	175	8	<0.10		0.47	21000	118
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity					
3/7/2011	8:35	<1.0	43	15	30	59	36					

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
3/7/2011	10:10	7.5	12.2	10.5	141	19	2	0.1	1.6	0.08	2900	11
3/14/2011	11:20	7.1	9.8	14.4	208	8	2	<0.10		0.03	190	3
3/21/2011	9:40	7.6	11.2	15.7	242	7	2	0.3		0.03	280	3
3/28/2011	10:08	7.7	9.5	11.6	101	146	7	<0.10		0.29	8000	168
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity					
3/7/2011	10:10	<1.0	52	14	33	43	27					

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: March 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
3/7/2011	10:40	7.5	10.9	11.0	145	21	2	<0.10	1.8	0.05	2800	19
3/21/2011	9:55	7.6	7.6	15.9	233	10	<2	<0.10		0.03	130	4
3/28/2011	10:21	7.5	8.2	11.9	104	130	8	0.38		0.46	39000	170

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 *
3/7/2011	10:40	<1.0	52	12	29	45	30

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
3/7/2011	11:25	7.7	9.3	12.0	169	20	2	0.1	2.6	0.06	2400	8
3/14/2011	10:55	7.4	9.2	14.2	225	9	<2	<0.10		0.06	140	9
3/21/2011	10:10	7.6	9.3	16.4	232	6	<2	0.11		0.04	130	7
3/28/2011	10:33	7.3	7.3	12.1	85	145	6	0.23		0.44	37000	206

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 *
3/7/2011	11:25	<1.0	54	13	30	49	27

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
3/14/2011	10:35	7.7	8	139	200	9	<2	<0.10		0.04	240	9

DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
		ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
3/14/2011	10:35	<1.0	46	10	28	ND	41

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)