

DEKALB COUNTY , GEORGIA
DEPARTMENT OF WATERSHED MANAGEMENT
SOUTH RIVER WATER QUALITY DATA: July 2010

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
7/19/2010	9:50	7.4	6.3	24.2	111	19	<2	0.1	ND	0.06	32000	10

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
7/12/2010	9:25	7.5	6.5	25.6	191	3	<2	<0.10	1.5	0.04	700	5

DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
7/12/2010	<1.0	15.3	4.38	33.4	59	49

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
7/19/2010	9:35	7.3	6.3	23.7	111	19	<2	<0.10	ND	0.06	24000	12
7/26/2010	9:10	7.3	5.2	26.1	164	3	<2	<0.10	ND	0.03	2100	5

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: July 2010

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
7/12/2010	9:00	7.4	5.9	25.6	145	4	<2	0.12	0.62	0.03	600	5
7/19/2010	9:15	7.2	6.3	24.3	74	27	<2	<0.10	ND	0.11	3700	16
7/26/2010	8:55	7.2	5.2	26.5	121	4	<2	<0.10	ND	0.03	720	3

DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
7/12/2010	<1.0	13.7	3.47	30.6	45	39

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
7/12/2010	11:20	7.4	5.1	25.5	338	3	<2	<0.10	5.1	0.06	360	6
7/19/2010	9:00	7.4	5.6	24.1	84	30	<2	<0.10	ND	0.13	2400	24
7/26/2010	8:40	6.8	5.3	26.2	334	9	2	0.17	ND	0.11	480	11

DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
7/12/2010	<1.0	14.1	4.34	33.3	87	51

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
7/19/2010	10:50	7.4	7.3	24.7	206	29	<2	<0.10	ND	0.16	2900	18
7/26/2010	10:00	7.4	6.8	27.6	326	3	<2	<0.10	ND	0.05	140	6

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: July 2010

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
7/12/2010	10:15	7.4	6.3	25.4	324	4	<2	<0.10	0.39	0.06	360	5
7/19/2010	10:20	7.3	6.6	24.8	167	28	<2	<0.10	ND	0.16	2900	46
7/26/2010	10:15	7.7	6.4	26.8	308	5	<2	<0.10	ND	0.05	320	9

DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
7/12/2010	<1.0	12.4	8.34	35.0	85	51

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
7/12/2010	10:40	7.6	6.6	25.6	330	3	<2	<0.10	3.6	0.13	800	6
7/26/2010	10:30	7.7	7.3	26	293	2	<2	<0.10	ND	0.07	<10	5

DATE	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness	Alkalinity
;UNITS	ug/L	ug/L	ug/L	ug/L	mg/L *	mg/L *
7/12/2010	<1.0	12.8	3.31	32.6	71	52

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
7/14/2010	10:00	6.9	5.7	25.4	83	86	3	<0.10	ND	0.12	2400	ND

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)