

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

<b>Site: South River:</b>		<b>@ Moreland Ave</b>										
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
4/9/2012	9:40	7.3	7.0	16.2	186	5	<2	<0.10	0.9	0.02	680	3
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
		<1	23	<1	19	74						

<b>Site: Entrenchment Creek :</b>		<b>Before entering the South River</b>										
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
4/2/2012	10:00	7.4	4.6	18.7	174	5	<2	0.39	1.0	0.18	1100	5
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
4/2/2012	10:00	<1	44	<1	9	55						

<b>Site: South River:</b>		<b>@ Bouldercrest Road</b>										
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
4/2/2012	9:40	7.6	6.6	18.6	159	4	<2	0.11	0.5	0.06	750	7
4/9/2012	9:15	7.6	7.7	16.2	192	8	<2	<0.10	0.9	0.03	290	5
4/16/2012	9:26	7.9	7.1	17.0	197	4	<2	<0.10	1.2	0.03	410	3
4/23/2012	9:45	7.6	6.3	13.6	176	6	<2	<0.10		0.04	400	6
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
4/2/2012	9:40	<1	48	<1	18	63						

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, 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
4/2/2012	9:20	7.9	6.4	18.8	123	5	<	<0.10	0.4	0.06	680	11
4/9/2012	9:00	7.6	7.7	16.5	139	4	<	<0.10	0.7	0.03	2300	7
4/16/2012	9:00	7.8	7.7	17.0	140	8	<	<0.10	0.8	0.03	2300	15
4/23/2012	9:15	7.6	7.4	14.1	125	8	<	<0.10		0.04	680	7
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
4/2/2012	9:20	< 1	22	< 1	14	49						

  

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
4/2/2012	9:10	8.4	6.3	19.6	296	4	2	<0.10	5.9	0.06	550	5
4/9/2012	8:45	7.4	6.8	18.0	335	5	<	0.1	7.7	0.07	680	14
4/16/2012	8:50	7.5	6.5	18.5	334	5	<	0.28	7.4	0.05	1400	4
4/23/2012	9:00	7.0	7.2	15.6	327	10	2	<0.10		0.08	470	10
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
4/2/2012	9:10	< 1	21	< 1	13	101						

  

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
4/2/2012	10:30	7.9	8.5	19.6	286	3	<	<0.10	5.5	0.05	480	5
4/9/2012	12:00	7.7	8.9	18.2	326	6	<	<0.10	8.0	0.08	270	7
4/16/2012	10:15	7.8	8.6	18.3	361	3	<	<0.10	8.3	0.05	560	6
4/23/2012	10:10	7.9	6.8	16.2	264	8	<	<0.10		0.05	420	7
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
4/2/2012	10:30	< 1	16	< 1	11	77						

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, 2012**

<b>Site: South River:</b>		<b>Below Pole Bridge LAS and Above Pole Bridge WPCP</b>										
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
4/2/2012	11:15	7.5	8.0	18.0	278	5	<	<0.10	4.7	0.06	380	7
4/9/2012	11:00	7.2	7.4	17.6	313	9	<	<0.10	6.7	0.05	280	6
4/16/2012	10:45	7.9	7.5	16.3	343	5	<	<0.10	7.0	0.01	280	6
4/23/2012	10:30	7.9	6.3	16.2	263	22	<	<0.10		0.07	450	21
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
4/2/2012	11:15	< 1	20	< 1	14	86						

  

<b>Site: South River:</b>		<b>Below Pole Bridge WPCP</b>										
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
4/2/2012	11:20	7.4	7.8	20.4	288	9	<	<0.10	4.0	0.06	340	11
4/9/2012	11:30	7.2	6.6	18.1	322	9	<	<0.10	8.0	0.06	410	6
4/16/2012	10:55	7.4	7.2	18.3	337	4	<	0.13	5.7	0.06	420	6
4/23/2012	10:55	7.3	7.6	15.3	267	33	<	<0.10		0.13	430	40
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
4/2/2012	11:20	< 1	49	< 1	20	80						

  

<b>Site: South River:</b>		<b>@ Klondike Road</b>										
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
4/9/2012	10:40	7.1	5.8	18.0	265	9	<	<0.10		0.05	240	9
DATE	TIME	Cadmium, total	Copper, total	Lead, total	Zinc, total	Hardness						
		ug/L	ug/L	ug/L	ug/L	mg/L *						
4/9/2012	10:40	<1	30	<1	14	64						

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)