

**Yellow River Watershed (HUC10 #0307010304) TMDL Implementation Plan
Narrative
Gwinnett County, Georgia
DeKalb County, Georgia**

Total Maximum Daily Load (TMDL) Implementation Plans are platforms for establishing a course of actions to restore the quality of impaired water bodies in a watershed. They are intended as a continuing process that may be revised as new conditions and information warrant. Procedures will be developed to track and evaluate the implementation of the management practices and activities identified in the plans. Once restored, appropriate management practices and activities will be continued to maintain the water bodies.

The Yellow River Watershed (HUC10 #0307010304) is located in the upper portion of the Ocmulgee River Basin in the metro Atlanta area. The local governments with interest in the Section 305(b) / Section 303(d) listed stream segments in this HUC10 watershed include: Gwinnett County, DeKalb County, and the cities of Snellville, Lawrenceville, Suwanee, Duluth, Norcross, Lilburn, and Stone Mountain. The stream segments identified on Georgia Environmental Protection Division's 303(d) list in the Yellow River HUC10 Watershed include: Beaver Ruin Creek, Bromolow Creek, Camp Creek, Jack's Creek, Jackson Creek, Little Stone Mountain Creek, Little Suwannee Creek, Pew Creek, Shetley Creek, Stone Mountain Creek, Sweetwater Creek, Turkey Creek, Watson Creek, and Yellow River. These 303 (d) listed stream segments are all located in Gwinnett County, Georgia except Little Stone Mountain Creek and Stone Mountain Creek which are located in DeKalb County.

All fourteen stream segments are listed for not meeting water quality standards for fecal coliform. Fecal Coliform bacteria are bacteria found in the intestinal tract of humans and animals. Its presence in streams, rivers, and lakes is an indicator of possible harmful pathogens. Data from USGS Monitoring Stations were used to develop the TMDL for each segment.

For each waterbody on the 303(d) list, the U.S. Clean Water Act requires a TMDL be developed for each pollutant. A TMDL is a calculation of the maximum amount of a pollutant, from both point and non-point sources that a waterbody can receive and still meet water quality standards. The U.S. EPA developed a TMDL for these stream segments in February 2002 that shows a reduction in fecal coliform levels is needed. The required reductions in Fecal Coliform loads are as follows: 89% for Beaver Ruin Creek, 74% for Bromolow Creek, 74% for Camp Creek, 15% for Jack's Creek, 74% for Jackson Creek, 67% for Little Stone Mountain Creek, 17% for Little Suwannee Creek, 12% for Pew Creek, 75% for Shetley Creek, 63% for Stone Mountain Creek, 79% for Sweetwater Creek, 70% for Turkey Creek, 70% for Watson Creek, and 65% for Yellow River.

Staff from the DeKalb County Public Works and Gwinnett County Department of Public Utilities helped to identify the potential sources of pollution in these segment watersheds. The following potential fecal coliform pollution sources were identified for this HUC10 watershed: urban runoff, leaking/failing septic systems, animal waste, SSOs, illicit connections, agriculture, and NPDES permitted point sources.

This implementation plan was developed with the help of representatives from the Gwinnett County Department of Public Utilities, Gwinnett County Board of Health, DeKalb County Public Works, DeKalb County Board of Health, and the cities of Snellville, Lawrenceville, Suwanee, Duluth, Norcross, Lilburn, and Stone Mountain. The Atlanta Regional Commission coordinated the public meetings and the input received from local stakeholders and technical advisory staff. Stakeholders were identified in this plan with the input of local governments and by searching the Gwinnett County's tax records to determine large landowners. We also used the U.S. EPA's Enforcement and Compliance History Online (ECHO) website to search for large industries in the watershed. Other stakeholders listed in the plan were included because of their interest in the affected watershed at either the March, April, May, or July public meetings. The stream segments in Gwinnett County were discussed at two initial public meetings in March 2003 to educate stakeholders about the TMDL process and to solicit input from local stakeholders. These meetings were followed up with another 2 meetings in April 2003 to discuss the draft implementation plans that were mailed to all the listed stakeholders. The stream segments in DeKalb County were discussed at an initial public meeting in May 2003 to educate stakeholders about the TMDL process and to solicit input from local stakeholders. This meeting was followed up with another meeting in July 2003 to discuss the draft implementation plans. Comments and requested revisions to the draft plans have been considered in developing this final draft implementation plan.

The GA EPD will be conducting TMDL monitoring in the Ocmulgee River Basin in 2004. This data will be used to list and possibly delist stream segments. Gwinnett County currently operates a monitoring program as a part of their NPDES MS4 Permit, which includes Fecal Coliform and Dry Weather Screening. In mid-2003, Gwinnett County will begin a Fecal Coliform Monitoring Program to monitor the status of the 303(d) listed stream segments in unincorporated Gwinnett County. This program is based on a monitoring plan that has been approved by GA EPD and meets all requirements for monitoring done to delist a stream segment. The DeKalb County Water & Sewer Division of the Public Works has numerous monitoring plans in place to sample fecal coliform levels.

A portion of the Gwinnett and DeKalb Counties' and the affected cities' management measures are based on their NPDES Phase I Municipal Separate Storm Sewer System (MS4) Permit requirements. Other management measures included in the plan are voluntary such as Gwinnett County's septic to sewer transition program. DeKalb County's voluntary programs include the South River Watershed Assessment and Management Plan and their Point Source Pollution Control program. The DeKalb County Public Works and Gwinnett County Department of Public Utilities both have extensive public education / outreach programs in place to educate the general public about water quality concerns. All of these programs include a range of activities such as educational brochures/bill inserts and activities for schools age students. DeKalb and Gwinnett Counties participate in the Clean Water Campaign (www.cleanwatercampaign.com). In addition Gwinnett County maintains an educational website (www.gwinnettstormwater.com). DeKalb County also maintains a website with water related issues (<http://dklbweb.dekalbga.org/watersewer>). An active Adopt-A-Stream program and storm drain stenciling program operate in both DeKalb and Gwinnett Counties.

The purpose of this implementation plan is to reduce or eliminate the sources of fecal coliform bacteria contributing to these stream segments in order to meet the fecal coliform water quality standard. The water quality attainment date will be ten years from the time the implementation plan is approved.

STATE OF GEORGIA REVISED TMDL IMPLEMENTATION PLAN WATERSHED APPROACH

Local Watershed Governments

ATLANTA REGIONAL COMMISSION

DeKalb County	Gwinnett County
City of Norcross	City of Berkeley Lake
City of Duluth	City of Lawrenceville
City of Lilburn	City of Snellville

TMDL Implementation Plans are platforms for establishing a course of action to restore the quality of impaired water bodies in a watershed. They are intended as a continuing process that may be revised as new conditions and information warrant. Procedures will be developed to track and evaluate the implementation of the management practices and activities identified in the plans. Once restored, appropriate management practices and activities will be continued to maintain the water bodies. **With input from appropriate stakeholder groups, a TMDL Implementation Plan has been developed for a cluster of impaired waterbodies/streams and the corresponding pollutants.** The impaired waterbodies are located in the same watershed/sub-basin identified by a HUC10 code (Figure 1).

This Implementation Plan addresses an action plan, education/outreach activities, stakeholders, pollutant sources, and potential funding resources affecting the watershed. In addition, the Plan describes (a) regulatory and voluntary practices/control actions (*management measures*) to reduce target pollutants, (b) milestone schedules to show the development of the management measures (*measurable milestones*), (c) a monitoring plan to determine the efficiency of the management measures and measurable milestones, and (d) criteria to determine whether substantial progress is being made towards reducing pollutants in impaired waterbodies. The overall goal of the Plan is to define a set of actions that will help achieve water quality standards in the state of Georgia. Following this section is information regarding individual impaired streams.

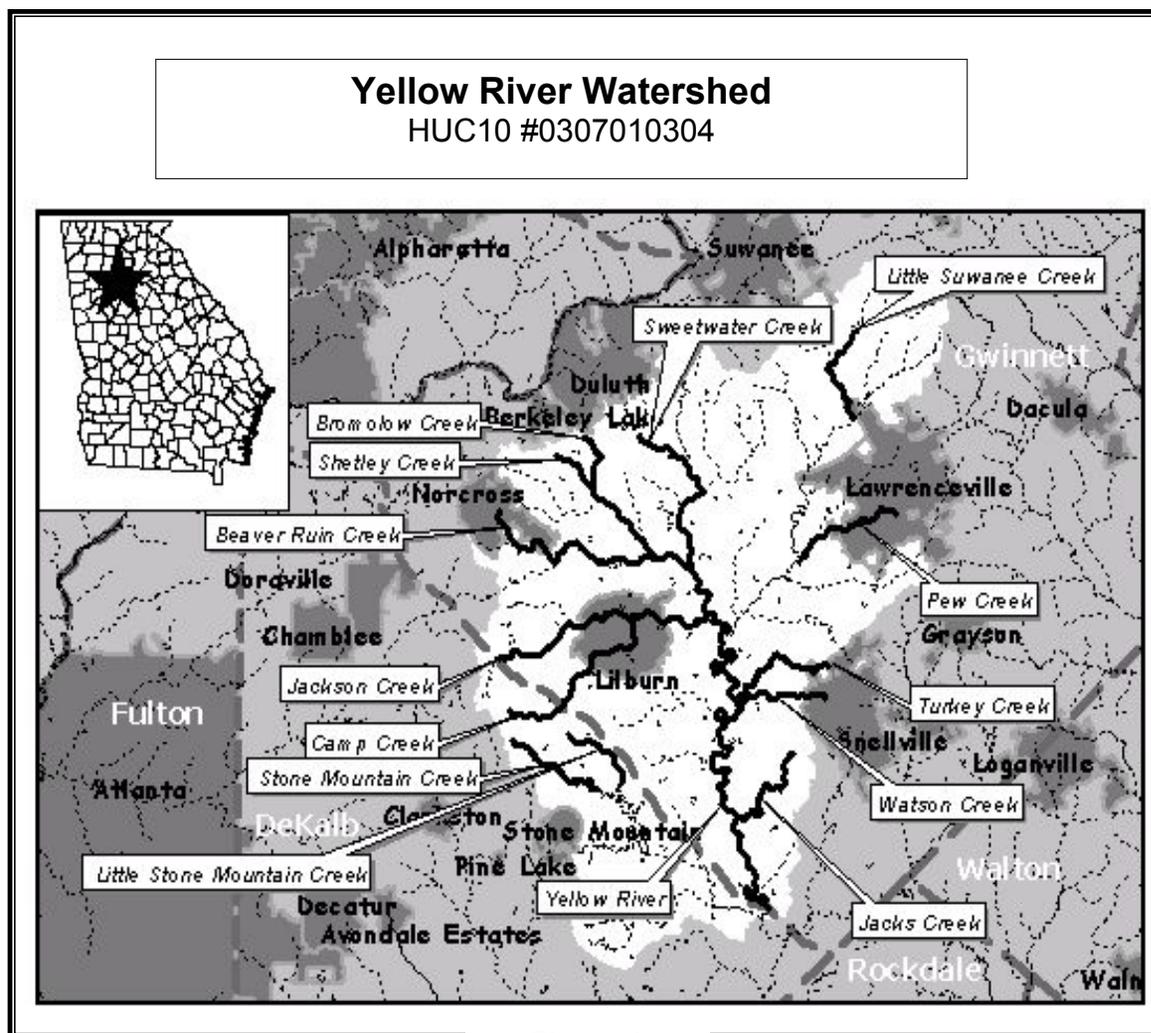


Figure 1

Impaired Waterbody*	Impaired Stream Location	Impairment
1. Beaver Ruin Creek	Gwinnett County	Fecal Coliform (FC)
2. Bromolow Creek	Headwaters to Beaver Ruin Creek	Fecal Coliform (FC)
3. Camp Creek	Headwaters to Jackson Creek	Fecal Coliform (FC)

*These Waterbody Numbers are referenced throughout the Implementation Plan.

Impaired Waterbody*	Impaired Stream Location	Impairment
4. Jack's Creek	Headwaters to Yellow River	Fecal Coliform (FC)
5. Jackson Creek	Gwinnett County	Fecal Coliform (FC)
6. Little Stone Mountain Creek	Headwaters to Stone Mountain Lake	Fecal Coliform (FC)
7. Little Suwannee Creek	Tributary to Yellow River	Fecal Coliform (FC)
8. Pew Creek	Gwinnett County	Fecal Coliform (FC)
9. Shetley Creek	Headwaters to Bromolow Creek	Fecal Coliform (FC)
10. Stone Mountain Creek	Headwaters to Stone Mountain Lake	Fecal Coliform (FC)
11. Sweetwater Creek	Lee Daniel Creek to Yellow River	Fecal Coliform (FC)
12. Turkey Creek	Headwaters to Yellow River	Fecal Coliform (FC)
13. Watson Creek	Headwaters to Yellow River	Fecal Coliform (FC)
14. Yellow River	Sweetwater Creek to Centerville Creek (Hwy 124)	Fecal Coliform (FC)

*These Waterbody Numbers are referenced throughout the Implementation Plan.

Action Plan for Yellow River Watershed

POLLUTANT:	SOURCE:	EFFECT:	WHAT CAN I DO?	
			At Home: Community, School	At Work: Business, Government
<input type="checkbox"/> Dissolved Oxygen (DO) <input checked="" type="checkbox"/> Fecal Coliform (FC) <input type="checkbox"/> Sediment <input type="checkbox"/> Metals <input type="checkbox"/> Fish Consumption Guidelines (FCG) <input type="checkbox"/> Other (Please List)	<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban <input type="checkbox"/> Agriculture <input type="checkbox"/> Forestry <input checked="" type="checkbox"/> Residential <input checked="" type="checkbox"/> Other (Please List) Urban Runoff, Leaking/Failing Septic Systems, Animal wastes, SSOs, Illicit Connections, Urban Runoff, Septic tank systems, Hobby Farms, Agriculture, Gwinnett County Yellow River Water Reclamation Facility, Gwinnett County Beaver Ruin Creek/Sweetwater Creek Water Reclamation Facility, Gwinnett County Jack's Creek Water Reclamation Facility, Gwinnett County Jackson Creek Water Reclamation Facility	<input type="checkbox"/> Habitat <input checked="" type="checkbox"/> Recreation <input type="checkbox"/> Drinking Water <input type="checkbox"/> Aesthetics <input type="checkbox"/> Other (Please List)	<input type="checkbox"/> Routine & regular maintenance of septic systems <input type="checkbox"/> Properly dispose of pet waste	<input type="checkbox"/> Routine & regular maintenance of septic systems <input type="checkbox"/> Report sewer leaks or septic tank failure if found

INFORMATION/EDUCATION/OUTREACH ACTIVITIES

An education/outreach component will be used to enhance public understanding of and participation in implementing the TMDL Implementation Plan.
List of all previous and planned information/education/outreach activities.

Responsible Organization Or Entity	Description	Impacted Waterbodies*	Target Audience	Anticipated Dates (MM/YY)
Unincorporated Gwinnett County	Stenciling Program	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	General Public	On going (Enacted: 9/98)
Unincorporated Gwinnett County	Utility bill inserts	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	General Public	On going (Enacted: 9/98)
Unincorporated Gwinnett County	Pet Waste Brochure	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	General Public	On going (Enacted: 10/00)
Unincorporated Gwinnett County	Pet Waste Sign Program in Parks	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	General Public	On going (Enacted: 2/03)
Unincorporated Gwinnett County	Adopt A Stream	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	General Public	On going (Enacted: 7/91)
Unincorporated Gwinnett County	Septic Tank Maintenance Folder	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	General Public	On going (Enacted: 12/02)
Unincorporated Gwinnett County	Educational School Activities	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	School age students	On going (Enacted: 9/94)
Unincorporated Gwinnett County	Menu for a Cleaner Environment	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	Restaurants	On going (Enacted: 11/98)
Unincorporated Gwinnett County	Septic Tank Workshop	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	General Public	2/03
Unincorporated Gwinnett County	Watershed Festival	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	General Public	10/01
Unincorporated Gwinnett County	Clean Water Campaign	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	General Public	On going (Enacted: 1/00)
Unincorporated Gwinnett County	Gwinnett County Storm Water Website www.gwinnettstormwater.com	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	General Public, Professional and Industry	On going (Enacted: 8/02)
City of Lawrenceville	Gwinnett County Storm Drain Stenciling Program	7, 8	General population	Quarterly
City of Lawrenceville	Distribution of Gwinnett County stormwater educational information	7, 8	General population	Ongoing
City of Snellville	Distribution of Gwinnett County stormwater educational information	12, 13	General Public	Ongoing
City of Snellville	Snellville Website www.snellville.org	12, 13	General Public, Professional	Ongoing
City of Lilburn	City quarterly newsletter	3, 5, 11	All residents/businesses in city	
City of Norcross	Great American Clean up Day	1, 2, 11	All City residents	Annual
City of Norcross	Utility Bill inserts	1, 2, 11	All City residents	Quarterly
City of Norcross	City Newsletter	1, 2, 11	All City residents	Bi-Annually
City of Suwanee	Distribution of Gwinnett County stormwater educational information	7	General population	Ongoing
City of Duluth	www.duluthga.net	1, 2, 9, 11	General public, professional and industry	Ongoing

City of Duluth	Gwinnett County Storm Drain Stenciling program	1, 2, 9, 11	General Public	Oct. 2002 to present
City of Duluth	Use of Gwinnett County Utility bill inserts in public areas of City Hall	1, 2, 9, 11	Duluth residents	Ongoing
City of Duluth	Distribution of Gwinnett County stormwater educational information	1, 2, 9, 11	General Public	Ongoing
City of Duluth	Duluth Newsletter	1, 2, 9, 11	General Public	6 times per year
DeKalb County Roads & Drainage Division	Storm drain stenciling program	6, 10	General public (residential /commercial/industrial)	Ongoing (1999)
DeKalb County Roads & Drainage Division	Educational brochures	6, 10	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	6, 10	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	6, 10	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	6, 10	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	6, 10	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: http://dklbweb.dekalbga.org/watersewer	6, 10	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	6, 10	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	6, 10	Middle school students	Ongoing (2003)

STAKEHOLDERS

EPD encourages public involvement and the active participation of stakeholders in the process of improving water quality. Stakeholders can provide valuable information and data regarding their community and the impaired water bodies and can provide insight and/or implement management measures.

List of local governments, agricultural organizations or significant landholders, commercial forestry organizations, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

Name/Organization	Address	City	State	Zip	Phone	E-Mail
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
Gwinnett County Board of Commissioners (Chairman)	75 Langley Drive	Lawrenceville	GA	30045	(770) 822-7000	
Gwinnett County Department of Public Utilities	684 Winder Highway	Lawrenceville	GA	30045-5012	(678) 376-6949	leost@co.gwinnett.ga.us
Gwinnett County Board of Health	240 Oak Street	Lawrenceville	GA	30045-5012	(770) 963-5132	vggoins@dhr.state.ga.us
Gwinnett County Public Schools (Superintendent)	52 Gwinnett Drive	Lawrenceville	GA	30045	(770) 963-8651	
Gwinnett County Extension Service	750 South Perry Street, Suite 400	Lawrenceville	GA	30045	(678) 377-4020	rbrannen@uga.edu
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
NRCS	P.O. Box 8	Monroe	GA	30655	(770) 267-8363 Ext. 3	jose.pagan@gamonroe.fsc.usda.gov
GA Soil & Water Conservation Comm.	1500 Klondike Rd., Suite A109	Conyers	GA	30094	(770) 761-3020	kshahlaee@gaswcc.org
Snellville City Council	P.O. Box 844	Snellville	GA	30078	(770) 985-3514	jtimler@snellville.org

Name/Organization	Address	City	State	Zip	Phone	E-Mail
City of Snellville Department of Planning and Development	P.O. Box 844, 2430 Main Street, East	Snellville	GA	30078	(770) 985-3514	jtimler@snellville.org
Lawrenceville City Council	70 South Clayton Street	Lawrenceville	GA	30046	(770) 963-2414	
City of Lawrenceville Department of Planning and Zoning	70 South Clayton Street	Lawrenceville	GA	30046	(770) 963-2414	
City of Lawrenceville Water Department	70 South Clayton Street	Lawrenceville	GA	30046	7708225741	
City of Lilburn	76 Main Street	Lilburn	GA	30047	(770) 921-2210	cityinfo@cityoflilburn.com
Norcross City Council	65 Lawrenceville St.	Norcross	GA	30071	(770) 448-2122	mraburn@norcross-ga-gvt.com
Norcross Public Utilities	168 Wingo Street	Norcross	GA	30071	(770) 448-2122	
Duluth City Council	3578 West Lawrenceville St.	Duluth	GA	30096	(770) 476-3434	tlynn@duluthga.net
Duluth Planning & Development Department	3578 West Lawrenceville Street	Duluth	GA	30096	770-476-1790	ksuddreth@duluthga.net
Duluth Public Works Department	2450 Chattahoochee Drive	Duluth	GA	30097	770-476-2454	rfowler@duluthga.net
Suwanee City Council	373 Highway 23	Suwanee	GA	30024	(770) 945-8996	
Presidential Commons (attn. Shea Miller)	3651 Canton Hwy. Suite 101	Marietta	GA	30066	(678) 494-0441	
Presidential Market (attn. Mike Lant)	2500 Windy Ridge Pkwy. Suite 1600	Atlanta	GA	30339	(770) 955-2200	
Scenic Square (attn. Jim Little)	2910 North Druid Hills Rd. Suite F	Atlanta	GA	30329	(770) 279-8600	
Craig Elementary	1075 Rocky Road	Lawrenceville	GA	30044		
M.B. Strickland	1939 Lake Lucerne	Lilburn	GA	30047	(770) 822-7558	mb@earthchannel.com
Tony Sunjic	1422 Bailing Drive	Lawrenceville	GA	30043	(770) 963-9717	
Kim Morris-Zarneke	1617 Hickory Drive	Lilburn	GA	30047	(770) 925-7095	
Emory at Eastside Medical Center	1700 Medical Way	Snellville	GA	30078		
Lilburn Middle School	4994 Lawrenceville Highway	Lilburn	GA	30047	770-921-1776	
Lilburn Elementary School	531 Lilburn School Road	Lilburn	GA	30047	770-921-7707	
Peachtree Walk HOA	3342 Dogwood Lane	Duluth	GA	30096		
Windsor Gate HOA	3415 Northgate Lane	Duluth	GA	30096		
Regency Park HOA	3025 Regal Park Court	Duluth	GA	30096		
Regency Park HOA	3015 Scepter Drive	Duluth	GA	30096		
Network Publications	2305 New Point Parkway	Lawrenceville	GA	30042	770-962-1138	
Lori & Vince Visone	267 Beutell Street	Norcross	GA	30071	770-797-9741	lorivisone@yahoo.com
Gwinnett County Beaver/Sweetwater	3530 Cruse Road	Lawrenceville	GA	30044		
Shepard Construction Company	1411 Hillcrest Road	Norcross	GA	30071		
Snell E R Contractor Incorporated	1421 Hillcrest Road	Norcross	GA	30071	770-925-1246	
AKZO Nobel Training Center	5300 Oakbrook Parkway	Norcross	GA	30093	770-662-8464	
AGCO Incorporated	2782 Simpson Circle	Norcross	GA	30071	770-447-6990	
Cooper Cabinet Shop, Inc.	1734 Bolton Circle	Norcross	GA	30071	770-448-4821	
Safety Kleen Corp. Norcross	4800 S. Old Peachtree Road	Norcross	GA	30071	770-662-5151	
Formetco, Inc.	2963 Pleasant Hill Road	Duluth	GA	30096	770-476-7000	
Holnam, Inc.	3955 Buford Highway	Duluth	GA	30096	770-476-3781	
Shiple Company LLC	3055 Northwoods Circle	Norcross	GA	30071	770-797-9091	
Marilyn Kemp	198 Russell Road	Lawrenceville	GA	30043		
Avon Products, Inc.	425 Horizon Drive	Suwanee	GA	30024	770-271-6100	
Hussmann Corp.	2700 Crestridge Court	Suwanee	GA	30024	770-921-9608	
Jackson EMC Mrs. Smith's Unit 1	2000 Rolling Pin Lane	Suwanee	HA	30024		
Mrs. Smith's Bakeries Frozen Distribution	2900 Rolling Pin Lane Suite A	Suwanee	GA	30024	678-482-3000	

Name/Organization	Address	City	State	Zip	Phone	E-Mail
OKI Telecom	70 Crestridge Drive	Suwanee	GA	30024		
Allied Readymix, Inc.	415 Maltbie Street	Lawrenceville	GA	30045	770-963-6430	
BFI Waste Systems of North America, Inc.	75 Curtis Road	Lawrenceville	GA	30045	800-394-7889	
Lance Used Auto Parts	375 Maltbie Street	Lawrenceville	GA	30045	770-963-0555	
York Casket Hardware	506 Maltbie Street	Lawrenceville	GA	30045	770-513-4553	
Lawrenceville Transfer Station	350 Maltbie Industrial Drive	Lawrenceville	GA	30045		
Cannon United Methodist	6424 Webb Ginn House Road	Snellville	GA	30078	770-972-5463	
Brookwood Presbyterian	1551 Oak Road	Snellville	GA	30078	770-972-4827	
Church on Dogwood	1447 Dogwood Road	Snellville	GA	30078	770-979-7000	
St. Matthew's Episcopal	1520 Oak Road	Snellville	GA	30078	770-979-4210	
Brookwood Elementary	1330 Holy Brook Drive	Snellville	GA	30078	770-736-4360	
Brookwood High School	1255 Dogwood Road	Snellville	GA	30078	770-972-7642	
Fountain Square (attn. Brad Sebring)	3101 Tower Creek Parkway Suite 200	Atlanta	GA	30339	770-955-2434	
South Gwinnett Athletic Association	2115 McGee Road	Snellville	GA	30078		
David Wang (E & C Integration System)	1600 Atkinson Rd.			30043	770-995-0313	gwang6775@aol.com
Key Monroe	3814 Scarborough Drive	Lawrenceville	GA	30044	770-923-6192	key@gbronline.com
Jo Ann Campbell	357 Haverford Mill Ct.	Lilburn	GA		770-931-4068	
John Considine (President Foxfire HOA)	825 Foxfire Dr.	Lawrenceville	GA	30044	770-979-1230	kincora@bellsouth.net
Nancy Brideau (Gwinnett Sierra Conservation)	1066 Country Court	Lilburn	GA	30044	770-925-1997	nanchappylady@aol.com
Norman Silver	5364 Silver Creek Dr, SW	Lilburn	GA		770-923-2852	norman.silver@gerc.com
Marie Hickman	1251 Eugenia Terrace NW	Lawrenceville		30045	770-339-6220	
DeKalb County School System (Superintendent)	3770 North Decatur Road	Decatur	GA	30032	678-676-0010	
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works (Margo Howse)	1580 Roadhaven Drive	Stone Mountain	GA	30083	770-621-7213	mahowse@co.dekalb.ga.us
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
East Lake Heights (Ms. Evelyn Bailey)	1841 Camellia Drive	Decatur	GA	30032		
City of Clarkston (Honorable Lee Swaney)	3921 Church Street	Clarkston	GA	30021		
City of Clarkston (Mr. Bill Adams)	3921 Church Street	Clarkston	GA	30021		
Clayton County Water Authority (Mr. Wade Brannan)	1600 Battle Creek Road	Morrow	GA	30260		
Clayton State College & University (Dr. Helen Brown)	5900 N. Lee Street	Morrow	GA	30260		
City of Stone Mountain (Honorable Gary Peet)	PO Box 454	Stone Mountain	GA	30083		
City of Stone Mountain (Mr. Jim Tavenner)	922 Main Street	Stone Mountain	GA	30083		
Henry County Water and Sewerage Authority (Mr. Lindy Farmer, Jr.)	533 Hampton Road	McDonough	GA	30253		
City of Decatur (Honorable William Floyd)	PO Box 220	Decatur	GA	30031		
City of Decatur (Mr. Miguel Valentine)	2635 Talley Street	Decatur	GA	30030		
City of Pine Lake (Honorable Greg Zarus)	459 Pine Lake Drive	Pine Lake	GA	30072	(404) 292-4280	gaz5@cdc.gov
City of Pine Lake (Ms. Mavis Crossley)	450 Pine Lake Drive	Pine Lake	GA	30072		
City of Lithonia (Honorable Marcia Glenn)	6980 Main St.	Lithonia	GA	30058		
City of Lithonia (City Clerk)	6980 Main Street	Lithonia	GA	30058		

Name/Organization	Address	City	State	Zip	Phone	E-Mail
City of Chamblee (Honorable Evelyn Kennedy)	5468 Peachtree Rd.	Chamblee	GA	30341		
City of Chamblee (Mr. Tillman Hannon)	5468 Peachtree Road	Chamblee	GA	30341		
Sierra Club (Mr. Glenn Groszmann)	160 Thompson Place	Roswell	GA	30075-3506		
City of Atlanta (Ms. Marilyn Johnson)	55 Trinity Avenue, Suite 5800	Atlanta	GA	30335		
Rockdale County (Mr. Larry Kaiser)	2570 Old Covington Highway	Conyers	GA	30012		
City of Avondale Estates (Honorable John Lawson)	21 North Avondale Pl.	Avondale Estates	GA	30002		
City of Avondale Estates (Mr. Warren Hutmacher)	21 North Avondale Pl.	Avondale Estates	GA	30002		
City of Doraville (Honorable Gene Lively)	3725 Park Avenue	Doraville	GA	30340		
GA Dept. of Natural Resources (Mr. Vince Williams)	4220 International Parkway	Atlanta	GA	30354		
DeKalb Chamber of Commerce (Mr. Ed Nelson, Jr.)	750 Commerce Drive	Decatur	GA	30030		
City of Decatur (Mr. Daniel Newman)	PO Box 220	Decatur	GA	30031		
Pharr Engineering (Mr. Keith Pharr)	1770 Century Circle	Atlanta	GA	30345		
Cherry Ridge Homeowner Association (Mr. Dexter Pierce)	3737 Cherry Ridge	Decatur	GA	30030		
Clayton State College & University (Dr. Linda Samson)	5900 N. Lee Street	Morrow	GA	30260		
Gwinnett Department of Public Utilities (Mr. Jim Scarbrough)	684 Winder Highway	Lawrenceville	GA	30045		
Oglethorpe Power (Mr. Robert Steele)	2100 East Exchange Place	Tucker	GA	30085		
Clayton County Water Authority (Mr. Mike Thomas)	1600 Battle Creek Road	Morrow	GA	30260		
PRIDE Neighborhood Association (Mr. O.C. Thornton)	4096 Warrior Trail	Stone Mountain	GA	30083		
Rockdale Water Resources (Ms. Laurie Ashmore)	P.O. Box 289	Conyers	GA	30094		
South River Alliance (Ms. Joan Walker)	2812 Rainbow Forest Drive	Decatur	GA	30034		
South DeKalb Community Development Corporation (Ms. Sarah Woods)	1970 Mark Trail	Decatur	GA	30032		
DeKalb County Health Department (Mr. Robert Blake)	PO Box 987	Decatur	GA	30031		

WATER BODIES/STREAMS COVERED IN THIS PLAN

These impaired streams are located in the same sub-basin identified by a HUC10 code. Most of the information contained in this section comes from the 303(d) list and has been completed by employees of the EPD Water Protection Branch. Data that placed the streams on the 303(d) list will be provided upon request.

Waterbody Name #1	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Beaver Ruin Creek	Gwinnett County	8 miles	Fishing	PS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
Gwinnett				Beaver Ruin/Sweetwater WRF Urban Runoff (UR)
Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	89%		February 2002
Waterbody Name #2	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Bromolow Creek	Headwaters to Beaver Ruin Creek	5 miles	Fishing	PS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
Gwinnett				Urban Runoff (UR)
Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	74%		February 2002
Waterbody Name #3	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Camp Creek	Headwaters to Jackson Creek	6 miles	Fishing	NS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
DeKalb	Gwinnett			Urban Runoff (UR)
Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	74%		February 2002

Watershed: Yellow River
HUC10: #0307010304

Waterbody Name #4	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Jack's Creek	Headwaters to Yellow River	4 miles	Fishing	NS

Primary County	Secondary County	Second RDC	Source (Point/ Nonpoint)
Gwinnett			Jack's Creek WRF Urban Runoff (UR)

Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	15%		February 2002

Waterbody Name #5	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Jackson Creek	Gwinnett County	7 miles	Fishing	PS

Primary County	Secondary County	Second RDC	Source (Point/ Nonpoint)
Gwinnett			Jackson Creek WRF Urban Runoff (UR)

Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	74%		February 2002

Waterbody Name #6	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Little Stone Mountain Creek	Headwaters to Jackson Creek	3 miles	Fishing	NS

Primary County	Secondary County	Second RDC	Source (Point/ Nonpoint)
DeKalb			Urban Runoff (UR)

Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	67%		February 2002

Watershed: Yellow River
HUC10: #0307010304

Waterbody Name #7	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Little Suwannee Creek	Tributary to Yellow River	2 miles	Fishing	NS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
Gwinnett				Urban Runoff (UR)
Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	17%		February 2002

Waterbody Name #8	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Pew Creek	Gwinnett County	4 miles	Fishing	PS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
DeKalb	Gwinnett			Urban Runoff (UR)
Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	12%		February 2002

Waterbody Name #9	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Shetley Creek	Headwaters to Bromolow Creek	2 miles	Fishing	NS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
Gwinnett				Urban Runoff (UR)
Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	75%		February 2002

Waterbody Name #10	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Stone Mountain Creek	Headwaters to Stone Mountain Lake	4 miles	Fishing	NS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
DeKalb				Urban Runoff (UR)
Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	63%		February 2002

Watershed: Yellow River
HUC10: #0307010304

Waterbody Name #11	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)	
Sweetwater Creek	Lee Daniel Creek to Yellow River	6 miles	Fishing	NS	
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)	
Gwinnett				Beaver Ruin/Sweetwater WRF Urban Runoff (UR)	
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	79%			February 2002

Waterbody Name #12	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)	
Turkey Creek	Headwaters to Yellow River	4 miles	Fishing	NS	
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)	
Gwinnett				Urban Runoff (UR)	
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	70%			February 2002

Waterbody Name #13	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)	
Watson Creek	Headwaters to Yellow River	3 miles	Fishing	NS	
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)	
Gwinnett				Urban Runoff (UR)	
Pollutants	Water Quality Standards	Required Load Reduction		TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	70%			February 2002

Watershed: Yellow River
HUC10: #0307010304

Waterbody Name #14	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Yellow River	Sweetwater Creek to Centerville Creek (Hwy 124)	16 miles	Fishing	NS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
Gwinnett				Yellow River WRF Urban Runoff (UR)
Pollutants	Water Quality Standards	Required Load Reduction	TMDL ID	Date TMDL Established
FC	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	65%		February 2002

POLLUTANT SOURCES

It is important to recognize the potential source(s) causing water quality impairment. Each source must be controlled to comply with target TMDL/Load Allocations for each pollutant. Included is a description of how the sources contribute to the impairment and the waterbody that is impaired.

List of major nonpoint source categories and sub-categories or individual sources (Urban Runoff, Agriculture, Forestry, Municipal Sewage Treatment Plant)

Pollutant	Sources of Pollutants	Description of Contribution To Impairment	Impacted Waterbodies*
Fecal Coliform	Urban Runoff	Non-point Source	1-14
Fecal Coliform	Leaking/Failing Septic Systems	Leakage from septic system as a result of failure	1-14
Fecal Coliform	Animal wastes	Nonpoint source - pets and wildlife	1-14
Fecal Coliform	SSOs	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures	1-14
Fecal Coliform	Illicit Connections	Cross connections of sanitary sewer to storm sewer.	1-14
Fecal Coliform	Urban Runoff	Nonpoint source / stormwater runoff	6, 10
Fecal Coliform	Septic tank systems	Leaking / runoff from failing septic tank systems, including faulty drain fields	6, 10
Fecal Coliform	Hobby Farms	Non-point Source	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14
Fecal Coliform	Agriculture	Non-point source	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14
Fecal Coliform	Gwinnett County Yellow River Water Reclamation Facility	Point Source	14
Fecal Coliform	Gwinnett County Beaver Ruin Creek/Sweetwater Creek Water Reclamation Facility	Point Source	1, 11
Fecal Coliform	Gwinnett County Jack's Creek Water Reclamation Facility	Point Source	4
Fecal Coliform	Gwinnett County Jackson Creek Water Reclamation Facility	Point Source	5

MANAGEMENT MEASURES, MEASURABLE MILESTONES AND SCHEDULE (i.e. Local codes and ordinances, Erosion and Sedimentation Control, Storm Water Management, Local water resource monitoring)

The following table lists management measures that have been or will be implemented to achieve water quality standards and the load reductions established in the TMDL. The management measures, including regulatory or voluntary actions or other controls by governments or individuals, specifically apply to the pollutant and the waterbody for which the TMDL was written. A description is provided of how these management measures are/will be accomplished through reliable and effective delivery mechanisms, and how these management measures are/will help achieve the target TMDL. Included is the source of the pollutant, anticipated/past effectiveness of the management measure (very effective, somewhat effective, not effective), the current status (i.e. enforced, in-progress, planning), and measurable milestones and schedule. Milestones are used to measure progress in attaining water quality standards and to determine whether management measures are being implemented.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
NPDES Permit GA0032841	Georgia EPD	Gwinnett County Beaver Ruin Creek/Sweetwater Creek Water Reclamation Facility	Issued: 10/27/00	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC		1, 11	Within 18 months of final TMDL, EPD will modify those permits that need to include TMDL limits.

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Permit GA0032841			

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
NPDES Permit GA0047627	Georgia EPD	Gwinnett County Jack's Creek Water Reclamation Facility	Issued: 07/20/01	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC		4	Within 18 months of final TMDL, EPD will modify those permits that need to include TMDL limits.

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Permit GA0047627			

Watershed: Yellow River
HUC10: #0307010304

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
NPDES Permit GA0030732	Georgia EPD	Gwinnett County Jackson Creek Water Reclamation Facility	Issued: 09/29/00	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC		5	Within 18 months of final TMDL, EPD will modify those permits that need to include TMDL limits.

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Permit GA0030732			

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
NPDES Permit GA0047911	Georgia EPD	Gwinnett County Yellow River Water Reclamation Facility	Issued: 10/31/01	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC		14	Within 18 months of final TMDL, EPD will modify those permits that need to include TMDL limits.

Measurable Milestones	Schedule		Comments
	Start	End	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Gwinnett County Storm Water Management Ordinance	Gwinnett County	Ordinance to address non-point source pollution	9/1996	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Pet Waste, Urban Runoff	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	Gives the inspectors a way to address non-point source pollution that is discharged into the MS4 system.

Measurable Milestones	Schedule		Comments
	Start	End	
Industrial inspections and illicit discharge investigations	9/96	On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Gwinnett County Development Regulations	Gwinnett County	Regulations modified to include water quality and quantity requirements in response to county's Watershed Protection Plan	1/2001	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Non-point source	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	Passing regulations that require developers and contractors to address water quality and quantity issues as they relate to changes in land cover has helped reduce nonpoint source pollution from new developments

Measurable Milestones	Schedule		Comments
	Start	End	
Water quality requirements added in Big Haynes Basin	11/97	1/2001	First county in the State of Georgia to required that water quality be addressed on new developments
Increase requirements for water quality and quantity, along with channel protection requirements	4/1999	1/2001	Modifications to the existing regulations and added channel protection.
Water Quality requirements changed County wide	1/2001	Ongoing	The regulations first adopted in 1997 for the Big Haynes Basin were expanded to include the remaining portions of Unincorporated Gwinnett County.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Septic to Sewer Transition Program	Gwinnett County Department of Public Utilities	Program to facilitate the connection of subdivisions, currently served by septic systems, to the sanitary sewer.	November 2001	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Failing Septic Systems	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	Provides a procedure for a community to connect to the sanitary sewer

Measurable Milestones	Schedule		Comments
	Start	End	
Passed by Gwinnett County Board of Commissioners. Citizen petitions currently being processed as they are received.	11/01	On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Phase I – MS4 Permit	Gwinnett County Department of Public Utilities	The State of GA has issued Gwinnett County with a permit to operate the County’s Municipal Separate Storm Sewer System (MS4). As a part of this permit the County has developed and is implementing a Storm Water Management Program (SWMP). Major aspects of the permit and the SWMP include public education, illicit discharge detection and elimination, source identification activities, water sampling and reporting.	6-15-1994	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Multiple	Non-point sources	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	Program aims to ensure the development and implementation of water quality protection programs, which are directed by the State EPD. Effectiveness is reported on annually by report to EPD.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual reports submitted by anniversary date of permit each year: June 15.	6-15-1994	On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Best Management Practices(BMP) Inspections	Gwinnett County	Inspection of water quality and quantity BMP’s to insure they are properly maintained.	4/99	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Non-point sources	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	This program insures that the BMP’s are maintained to insure that the water quality and quantity benefits continue.

Measurable Milestones	Schedule		Comments
	Start	End	
Require maintenance agreements and 18 month maintenance bond at the time of construction	2000	On going	Program will help property owners understand that these BMP’s must be maintained to continue providing water quality and quantity benefits.
Annual Field Inspections	2002	On going	Annual Inspections are done to insure that required maintenance is being done.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Watershed Protection Plan	Gwinnett County	Assessment of watersheds and suggested protection measures	5/2000	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Non-point source	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	

Measurable Milestones	Schedule		Comments
	Start	End	
Passed Gwinnett County Board of Commissioner and Approved by the EDP	5/1998	5/2000	Updated Development Regulation and Start Master Planning

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Watershed Master Planning	Gwinnett County	Develop Capital Improvement Plans (CIP) for watersheds	10/2000	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Non-point source	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	Capital project will identify BMP's for retrofit and streams for restoration which should reduce non-point source pollution.

Measurable Milestones	Schedule		Comments
	Start	End	
Master Planning – 1 basin on average per year	10/2000	On-going	Basin CIP plans to be implemented as funding is available

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Sanitary Sewer Evaluation System	Gwinnett County DPU	Inspection program evaluates condition of manholes, and pipes (smoke test and TV). Walking easements looking for problems.	1987	In-Progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal	Sanitary Sewer System	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	Effective in identifying system areas in need of rehabilitation. Rehab. Includes relining, pipe bursting, joint repair and seal, root control and easement clearing. Large reduction in I & I has been seen.

Measurable Milestones	Schedule		Comments
	Start	End	
Inspection Program	1987	On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Grease Trap Inspection Program	Gwinnett County DPU	Inspection of grease traps	6/1999	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal	SSO due to excess grease in sanitary sewer lines.	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	Inspections of grease traps should reduce the amount of grease in sanitary sewer system reducing SSO's

Measurable Milestones	Schedule		Comments
	Start	End	
Inspections	7/1999	On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
City of Norcross Storm Water Management Ordinance	City of Norcross	Ordinance to address non-point source pollution	1996	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Pet Waste, Urban Runoff	1, 2, 11	Gives the inspectors a way to address non-point source pollution that is discharged into the MS4 system.

Measurable Milestones	Schedule		Comments
	Start	End	
Industrial inspections and illicit discharge investigations	96	On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
City of Norcross Development Regulations	City of Norcross	Regulations modified to include water quality and quantity requirements in response to county's Watershed Protection Plan	2001	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Non-point source	1, 2, 11	Passing regulations that require developers and contractors to address water quality and quantity issues as they relate to changes in land cover has helped reduce nonpoint source pollution from new developments

Measurable Milestones	Schedule		Comments
	Start	End	
Increase requirements for water quality and quantity, along with channel protection requirements	4/1999	1/2001	Modifications to the existing regulations and added channel protection.
Water Quality requirements changed County wide	1/2001	Ongoing	The regulations first adopted in 1997 for the Big Haynes Basin were expanded to include the remaining portions of Unincorporated Gwinnett County.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Norcross	As a Co-permittee with Gwinnett County, the City is required to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	September 1997	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	1, 2, 11	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Submit information annually to Gwinnett County for MS4 Annual Report	1998	Ongoing	
Submit the city's business licensing list by SIC codes to Gwinnett County for the county to conduct Industrial Inspections	1998	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Suwanee	As a Co-permittee with Gwinnett County, the City is required to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	September 1997	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	7	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Compliance inspections of business locations to check for illicit connections to the MS4.	1998	Ongoing	Compliance inspections are initiated when a new business moves into a space vacated by an old business. When the new business applies for a business license, it triggers a compliance inspection.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Revised Development Regulations	City of Suwanee	Adopted the revised development regulations produced by Gwinnett County. Regulations modified to include water quality and quantity requirements in response to county's Watershed Protection Plan	Feb. 2001	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	7	Passing regulations that require developers and contractors to address water quality and quantity issues as they relate to changes in land cover has helped reduce nonpoint source pollution from new developments

Measurable Milestones	Schedule		Comments
	Start	End	
Review of development plans to ensure compliance with revised development regulations	2001	Ongoing	
Require maintenance agreements and 18 month maintenance bond post construction	2001	Ongoing	The bond is designed to ensure the best management practice survives the construction process in good condition.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Lawrenceville	As a Co-permittee with Gwinnett County (GAS000122), the City is required to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	September 1997	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	7, 8	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Municipal inspections to detect and eliminate illicit discharges and connections are performed on a continual basis based on degree of hazard.	09/97	On-going	
Preparation of Annual Report	1998	On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Wellhead Protection Ordinance	City of Lawrenceville Water Department, City of Lawrenceville Department of Planning and Zoning	This ordinance was designed to regulate activities that threaten the quality of the City's groundwater supply, including the negative effects of septic tank failure.	October 2000	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff, Leaking Septic Tanks	7, 8	This ordinance is intended to protect the groundwater and control landuse in the area surrounding the city's drinking water wellhead.

Measurable Milestones	Schedule		Comments
	Start	End	
Regulate the use of septic tanks and drainfields in the wellhead protection zone.	10/00	On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Small Water Supply Watershed Ordinance	City of Lawrenceville Water Department, City of Lawrenceville Department of Planning and Zoning	Ordinance was designed to protect the City's drinking water supply watershed. This ordinance establishes stream buffers and prohibits the use of septic tanks and drainfields within the stream buffer.	November 2000	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff, Leaking Septic Tanks	7, 8	This ordinance is intended to protect the surface drinking water source for the city and control land use in the area surrounding the city's drinking water intake.

Measurable Milestones	Schedule		Comments
	Start	End	
Review of development plans for compliance with stream buffer requirements	11/02	On-going	
Review of development plans for compliance with septic tank drainfield requirements.	11/02	On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
City of Lawrenceville Drainage Regulations of 1989	City of Lawrenceville Water Department, City of Lawrenceville Department of Planning and Zoning	Ordinance was designed to establish storm water management policy for the City; allowing the regulation of activities that threaten the water quality due to storm water runoff.	October 2000	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	7, 8	To reduce the amount of prohibited activities in and around the municipal storm sewer system to reduce stormwater pollution.

Measurable Milestones	Schedule		Comments
	Start	End	
Reduce the amount of prohibited activities in and around the storm sewer system through proper review of local development plans.	10/00	On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Development Regulations	City of Duluth	Regulations modified to include water quality and quantity requirements in response to the Gwinnett County Watershed Protection Plan	Dec. 2002	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Non-point source	1, 2, 9, 11	Passing regulations that require developers and contractors to address water quality and quantity issues prior to land disturbance and approval of the development, as they relate to changes in land cover has helped reduce non-point source pollution from new development.

Measurable Milestones	Schedule		Comments
	Start	End	
Increase requirements for water quality and quantity, along with channel protection requirements	Dec. 2002	Dec. 2002	Modifications to existing regulations to coincide with Gwinnett County regulations.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Best Management Practices (BMP's)	City of Duluth	Inspection of water quality and quantity BMP's to insure they are properly maintained.	12/02	In progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Non-point source	1, 2, 9, 11	This program insures that BMP's are properly maintained to insure water quality and quantity benefits continue.

Measurable Milestones	Schedule		Comments
	Start	End	
Require maintenance agreements and maintenance schedule at the time of construction	12/02	On going	Program will help property owner understand that BMP's must be maintained.
Annual Field Inspections	2003	On going	Inspections done to insure proper maintenance is being done.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Duluth Storm Water Management Ordinance	City of Duluth	This ordinance provides the authority needed to inspect all drainage facilities and to actively regulate discharges of pollutants via storm runoff to streams. This ordinance is used to define the conditions upon which runoff to municipal storm water sewer systems are authorized.	1996	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Pet Waste, Urban Runoff	1, 2, 9, 11	Gives the inspectors a way to address non-point source pollution that is discharged into the MS4 system.

Measurable Milestones	Schedule		Comments
	Start	End	
Industrial inspections and illicit discharge investigations	9/96	On-going	Initial inspection by Gwinnett County storm water management, violation then forwarded to Duluth for action.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Duluth	As a Co-permittee with Gwinnett County, the City is required to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	September 1997	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	1, 2, 9, 11	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Implement an employee education program through internal quarterly meetings	2003	Ongoing	
Storm Drain Stenciling	2002	2004	100% completion
Issue educational information on the City website	2001	Ongoing	
Implement an employee education program through videos purchased	2002	Ongoing	Video library consists of 8 videos from Georgia DNR and other resources all related to water quality and quantity

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Health & Sanitation Ordinance	City of Duluth	Requires maintenance of properties within the City	8/91	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Pet wastes	1, 2, 9, 11	Requires homeowners to clean up after their pets and not allow accumulation of pet wastes that could be washed into the storm drain by rainfall.

Measurable Milestones	Schedule		Comments
	Start	End	
Respond to/follow-up on neighborhood complaints regarding excessive pet waste.	8/91	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Snellville	As a Co-permittee with Gwinnett County, the City is required to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	September 1997	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	12, 13	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Implement an employee education program through internal quarterly newsletter	2003	Ongoing	
Storm Drain Stenciling in designated areas	2003	Ongoing	
Issue educational information on the City website	2003	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Revised Development Regulation	City of Snellville	Adopted the revised development regulations produced by Gwinnett County. Regulations modified to include water quality and quantity requirements in response to county's Watershed Protection Plan	Feb. 2001	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	12, 13	Passing regulations that require developers and contractors to address water quality and quantity issues as they relate to changes in land cover has helped reduce nonpoint source pollution from new developments

Measurable Milestones	Schedule		Comments
	Start	End	
Conduct review of development plans to verify they meet current standards.	1980	Ongoing	Issue development permits.
Adopt stream buffer regulations in excess of state minimum.	2000	Ongoing	100' from top of bank for perennials streams, and 50' from top of bank for intermittent. Impervious setback of 150' for perennial and 75' for intermittent.
Adopted prohibition of septic tanks and potable water wells	2001	Ongoing	All new development must use sanitary sewer systems. New potable water wells are prohibited.
Snellville wins an Environmental Improvement award through the Keep Georgia Beautiful award program.	2003	Ongoing	Snellville earned statewide recognition for receiving first place for "Environmental Improvement" in the Keep Georgia Beautiful award program. The Keep Georgia Beautiful Foundation honored Snellville for its' progressive plans for an expanded Recycling Center; rededicating property for recreational uses to Briscoe Park; an aggressive tree planting and preservation program; revised regulations concerning buffer and septic tanks, and the City Center project that will redevelop a partially abandoned shopping center into a new City Hall, Senior Center, and public plaza. Preliminary site work is now underway for the new Recycling Center.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Revised Tree and Landscape Ordinance	City of Snellville	One of the most aggressive tree protection and planting ordinances in the state. Reduction in runoff and absorption are key results.	2000	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	12, 13	This aggressive tree planting and preservation program substantially helps with water quality and erosion.

Measurable Milestones	Schedule		Comments
	Start	End	
City received Tree City Award	2001 2002	&	http://www.snellville.org/plandev/treecityprog.htm

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Storm Water Management Ordinance (Chapter 62 of the Snellville Municipal Code)	City of Snellville	This ordinance provides the authority needed to inspect all drainage facilities and to actively regulate discharges of pollutants via storm runoff to streams. This ordinance is used to define the conditions upon which runoff to municipal storm water sewer systems are authorized.	September 1996	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	12, 13	Inspections will find and eliminate possible violations that could contribute to fecal coliform levels.

Measurable Milestones	Schedule		Comments
	Start	End	
Preliminary review of violation reports	Sept. 1996	Ongoing	
Forward Violation reports to Gwinnett County for further action	Sept. 1996	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Phase I MS4 Municipal Stormwater Permit	City of Lilburn	As a Co-permittee with Gwinnett County, the City is required to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation. Stream inspections are a component of this program.	September 1997-2002	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	3, 5, 11	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Submits information annually to Gwinnett County for MS4 Annual Report	1998	Ongoing	
Submits the city's business licensing list by SIC codes to Gwinnett County for the County to conduct Industrial Inspections. Once County inspects small / large quantity generators and documents deficiencies and shortcomings, those industrial sites not in compliance with City Ordinances are issued citations by the City of Lilburn and brought in compliance immediately	1998	Ongoing	The City currently has shared responsibility with Gwinnett County. Gwinnett County conducts initial inspections and documents corrective action to be taken by owner/operator. The City of Lilburn conducts follow-up inspections and enforces expeditiously. The City of Lilburn currently produces a monthly code compliance report to the Mayor and City Council. The report does not currently outline detail violations; however, the City will be purchasing a computer software program to report the type of violations occurring.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Revised Development Regulations	City of Lilburn	Adopted the revised development regulations produced by Gwinnett County. Regulations modified to include water quality and quantity requirements in response to county's Watershed Protection Plan. Regulations require public sewer if available (sect. 7-2)	Feb. 2001	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	3, 5, 11	Passing regulations that require developers and contractors to address water quality and quantity issues as they relate to changes in land cover has helped reduce nonpoint source pollution from new developments

Measurable Milestones	Schedule		Comments
	Start	End	
Review of development plans to ensure compliance with revised development regulations	2001	Ongoing	The City of Lilburn this past year will be contracting out services do to a comprehensive analysis, review, and modification to all of the City Ordinances including but not limited to Development Regulation amendments, Buffer, Tree, and Landscaping Ordinances, etc.. Tighter regulations regarding development regulations will provide an effective strategy to reduce fecal coliform in our state waters
The Development Regulations: Buffer, Tree, and Landscaping, Sedimentation and Erosion Control Ordinance, and the 1985 Zoning Resolution of the City of Lilburn, Georgia	1998	Ongoing	The City reviews all plans that are submitted through the building inspections department for compliance with these types of ordinances. Our private contractor, Precision Planning, Inc, reviews all building permits and applications and make site inspections of the Development plans to ensure compliance with code. At any time, City staff is also involved with making other development inspections including ancillary or investigative inspections.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Property Maintenance Ordinance and City Wetlands Protection and Floodplain Ordinance and On-Site Sewer Management System (Section 8-10-1 of City Code)	City of Lilburn	Local ordinance that requires private properties to remain environmentally clean/safe and provide for the protection of wetlands within the City.	1999	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Animal or Human waste/Urban runoff	3, 5, 11	Keeping private property clean/prevent septic overflows

Measurable Milestones	Schedule		Comments
	Start	End	
Educational quarterly newsletter and website	1998	Ongoing	The City prepares a Citywide newsletter sent to all residents residing within the City limits. The newsletter is sent out through bulk mailing and always has articles that educate the public about solid waste management, collection, or disposal. The City also maintains a city website that has the 1985 Zoning Resolution of the City of Lilburn, Georgia on-line. Staff is in the process of having Development Regulations uploaded to the website for public education and perusal
Enforcement of the Property Maintenance Ordinance	1998	Ongoing	The City has been proactively addressing transient and itinerant violations involving unlawful storage and disposal of solid waste and other HAZMAT utilizing the Property Maintenance ordinance. This ordinance coupled with our zoning regulations prohibit farm animals and other warm blooded animals such as dogs and cats from defecating in streets which prevents this type of waste from entering storm drains which leads to state waters.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Public Nuisance Ordinance section 11-2-1 and 5-1-15 of City Code and Ga. Code 12-5-29	City of Lilburn	Prevent public water pollution. This ordinance includes measures to manage animal / pet waste when it can be declared a public nuisance and be abated.	1997 and 2001	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Illicit discharges, Animal waste, etc.	3, 5, 11	

Measurable Milestones	Schedule		Comments
	Start	End	
Conduct site inspections and possibly follow-up with enforcement? Inspections are done based on complaint calls.	1997	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Identifying and Rectifying failing Septic Systems using Color Infrared Aerial Photography	Gwinnett County, Gwinnett County Board of Health	319 Grant to identify failing septic systems using color infrared aerial photography.	3/11/2003	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Failing Septic Systems	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	Method has been used effectively in the past by other jurisdictions.

Measurable Milestones	Schedule		Comments
	Start	End	
See 319 Grant document	3/03	7/06	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
IAW O.C.G.A. 290-5-26	Gwinnett County Board of Health.	Rules and regulations for installation and repair of on-site sewage management systems.	June 30, 1980	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Septic Systems	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	This program ensures septic systems are installed and repaired in accordance with established procedures and specifications.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue the process of reviewing the installation of septic systems as a part of the development review process	1980	Ongoing	1.) Gwinnett County has approximately 75,000 addresses that utilize onsite wastewater management systems for sewage disposal. The Board of Health has issued more than 92,000 permits for new installations, repairs and additions for these properties. 2.) Only local governments can regulate the number of systems in their communities. Also, only local governments can enact ordinances requiring maintenance of septic systems. Improvements can be attributed to new and less expensive technologies that essentially function as sewage treatment plants. They emit effluent clean enough that some states allow surface discharge. Georgia does not.
Continue to identify and respond to instances of septic system failure. Enforcement responses to failing septic systems are by complaint only. Home and business owners who don't have a complaint lodged against them can consult with Environmental Health about their failing systems and can pay for an onsite assessment for repair.	1980	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Phase I MS4 Municipal Stormwater Permit	DeKalb County	Under this permit, DeKalb County is required to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, permitting and reporting, and program implementation.	09/1997	In-Progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban Runoff	6, 10	This program is intended to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual Reports submitted to EPD	1997	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
South River Watershed Assessment and Management Plan	DeKalb County government	Assessment of water quality conditions, prioritization of areas for improvement, and plan that identifies measures for protection and restoration/retrofit.	2001	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban runoff, animal wastes, septic tanks	6, 10	Management Plan outlines measures for multiple departments to coordinate activities for stream water quality / habitat improvements, including identification and reduction of fecal coliform levels.

Measurable Milestones	Schedule		Comments
	Start	End	
Annual report with summary of monitoring data submitted to EPD	2001	Ongoing	This management measure could also control Total Suspended Solid (TSS) levels in the stream.
Septic Tank investigation program	2002	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	1998	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban runoff, animal wastes	6, 10	Increases inspection and enforcement activities for storm water control, nonpoint source pollution runoff from construction and industrial sites to the MS4 system.

Measurable Milestones	Schedule		Comments
	Start	End	
Inspections of Industrial / commercial sites for spill prevention and control	1994	Ongoing	
Outfall screenings for illicit connections	1994	Ongoing	
Implementation of Storm Water Management Design Manual to provide BMPs for development sites	2000	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	Implementation of land development code revisions including revised subdivision requirements and Conservation Subdivision Overlay District, revised Tree Ordinance.	2002	Ongoing	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban runoff	6, 10	Regulations modified to enhance nonpoint source pollution / runoff controls; increase stream buffer requirements; encourage inclusion of greenspace in future developments.

Measurable Milestones	Schedule		Comments
	Start	End	
Passage of ordinance modifications	2002	Ongoing	This management measure could also control TSS levels in the stream.
Implementation of conservation zoning	2003	Ongoing	
Increase level of site inspections for compliance with erosion and sediment control requirements	2003	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Point Source Pollution Control	DeKalb County Water & Sewer	Capital Improvement Plan for upgrade of Pole Bridge Creek WPC Plant to regional facility with advanced treatment/removals, phasing out Snapfinger WPC Plant. Provide for future reuse of treated effluent and beneficial use of biosolids.	2002 - 2010	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Sanitary sewer system	6, 10	New regional facility constructed to advanced treatment standards, including ozonation or UV disinfection for coliform control and elimination of chlorine risks.

Measurable Milestones	Schedule		Comments
	Start	End	
Projects initiated and/or completed for design and construction	2005	2010	This management measure could also control the following water quality parameters: TSS, DO, BOD, P, N.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	Sanitary sewer system inventory and inspection (mapping, television inspections); infiltration & inflow identification and reduction (flow monitoring, smoke testing); sewer line rehabilitation (pipe bursting, relining, cleaning).	1996	Ongoing	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Sanitary sewer system	6, 10	Identify potential leaky sewer lines and overflows, identify areas served primarily by septic tanks and assess potential for sewer tie-ins.

Measurable Milestones	Schedule		Comments
	Start	End	
Number of inspections completed;	1999	Ongoing	This program is the result of a Consent Order between DeKalb and EPD on previous SSOs. It is enforced by EPD's Permitting, Compliance and Enforcement Program.
Miles of sewer line mapped and cleaned	1996	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Restoration and Retrofit Programs	DeKalb County government	Utility line vegetation program using native prairie grasses to stabilize utility easements and enhance habitat, sheet flow filterability; and construction of hydrologic controls and stream restoration projects.	2001	Ongoing	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Urban runoff	6, 10	Restoration of natural habitat along easement corridors, which typically includes stream buffer areas; reduction of storm water flows and related stream bank erosion; and restoration of stream banks for improved water quality.

Measurable Milestones	Schedule		Comments
	Start	End	
Number of projects or linear feet of prairie grass planted; Number of projects identified through feasibility studies, and then designed and constructed	2001	Ongoing	This management measure could also control TSS levels in the stream.
	2005	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	Rules and regulations for installation and repair of on-site sewage management systems.	June 30, 1980	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Septic Systems	6, 10	This program ensures septic systems are installed and repaired in accordance with established procedures and specifications.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue the process of reviewing the installation of septic systems as a part of the development review process	1980	Ongoing	Continue to identify and respond to instances of septic system failure. Enforcement responses to failing septic systems are by complaint only. Home and business owners who don't have a complaint lodged against them can consult with Environmental Health about their failing systems and can pay for an onsite assessment for repair.
Continue to identify and respond to instances of septic system failure. Enforcement responses to failing septic systems are by complaint only. Home and business owners who don't have a complaint lodged against them can consult with Environmental Health about their failing systems and can pay for an onsite assessment for repair.	1980	Ongoing	

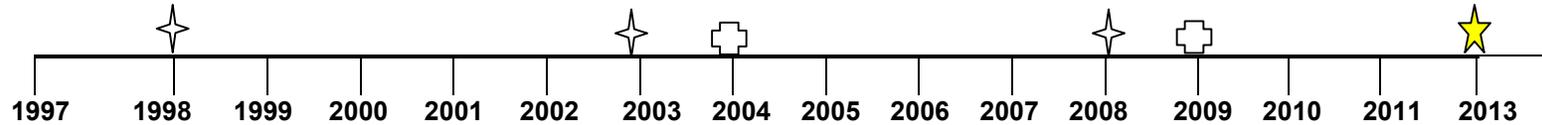
POTENTIAL FUNDING SOURCES

The identification and discussion of dedicated funding is important in determining the economic feasibility of the above-mentioned management measures.

Funding Source	Responsible Authority	Status	Anticipated Funding Amount	Impacted Waterbodies*
Water & Sewer Enterprise Funds	DeKalb County Board of Commissioners	On-going	To Be Determined / Annual Budget	6, 10
Storm Water Utility Fee	DeKalb County Board of Commissioners	Proposed	To Be Determined	6, 10
Greenspace Program	DeKalb County Board of Commissioners	On-going	To Be Determined / Annual Budget	6, 10
General Fund	DeKalb County Board of Commissioners	On-going	To Be Determined / Annual Budget	6, 10
Gwinnett County	Gwinnett County Board of Commissioners	On-going	To Be Determined	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14
319 Grants	Gwinnett County Board of Commissioners /EPD/EPA	On-going	To Be Determined	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14
General Fund and 319 grants	City of Lilburn	On-going	To Be Determined	3, 5, 11
General Fund	City of Snellville	To Be Determined	To Be Determined	12, 13
General Fund	City of Lawrenceville	On-going	To Be Determined	7, 8
General Fund	City of Suwanee	On-going	To Be Determined	7
General Fund	Duluth City Council	On-going	To Be Determined	1, 2, 9, 11
General Fund	City of Norcross	On-going	To Be Determined	1, 2, 11

PROJECTED ATTAINMENT DATE

The projected date to attain and maintain water quality standards in this watershed is 10 years from acceptance of the TMDL Implementation Plan by EPD.



EPD Monitoring 
 Evaluate TMDL & Attainment Date 
 Project Attainment 

MONITORING PLAN

The purpose of this monitoring plan is to determine the effectiveness of the target TMDL and the management measures being implemented to meet water quality standards. List of previous, current or planned/proposed sampling activities or other surveys. Monitoring data that placed stream on 303(d) list will be provided if requested.

Name Of Regulation / Ordinance Or Management Measure	Organization	Impacted Waterbodies*	Pollutants	Purpose/Description	Time Frame		Status (Previous, Current, Proposed)
					Start	End	
TMDL Evaluation and Monitoring	Georgia EPD	1-14	FC	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia	2004	2005	Proposed
Septic Tank Investigation Program	DeKalb County Water & Sewer Division	6, 10	FC	Septic Tank Investigation Program. A pilot test of this program was conducted during the 2001-2003 preliminary implementation phase of the watershed improvement plan (WIP). The full-scale program is planned for the rollout of the final WIP implementation in 2004.	2002	Ongoing	Previous / proposed
Environmental Monitoring Program	DeKalb County Water & Sewer Division	6, 10	FC	Environmental Monitoring Program for watershed management plan implementation. Other parameters sampled include: temp, TRC, DO, pH, flow, turbidity, BOD, NH3, TKN, TSS, NO2/3, P, Hardness, Cd, Cr, Cu, Pb, Ni, Ag, Zn.	2001	Ongoing	Current
NPDES MS4 Monitoring Program	DeKalb County Water & Sewer Division	6, 10	FC	NPDES MS4 Monitoring Program, including FC monitoring, water quality trend detection, wet weather monitoring, and dry weather screening for illicit connections. Other parameters sampled include: COD, TSS, TDS, N, NH3, TKN, P, hardness, Cd, Cu, Pb, Zn.	1992	Ongoing	Current

Name Of Regulation / Ordinance Or Management Measure	Organization	Impacted Waterbodies*	Pollutants	Purpose/Description	Time Frame		Status (Previous, Current, Proposed)
					Start	End	
Water Quality Monitoring Program	DeKalb County Water & Sewer Division	6, 10	FC	Water Quality Monitoring Program for DeKalb County streams. Other parameters sampled include: pH, DO, Temp, BOD, COD, P, NH3, NO2-NO3, TC, conductivity Cd, Cr, Cu, Pb, Ni, Zn.	1970	Ongoing	Current
Stream Surveys	DeKalb County Water & Sewer Division	6, 10	FC	Stream Surveys - Quarterly stream walks to identify potential illicit discharges, areas of degradation, and other potential water quality problems.	2003	Ongoing	Proposed
NPDES MS4 Program	Gwinnett County	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	FC	NPDES MS4 Program – includes Fecal monitoring and Dry Weather Screening. MS4 sampling is completed in accordance with the ARC's monitoring plan which was approved by EPD and that includes a QA/QC component.	9/1996	Ongoing	Current
Fecal Coliform Monitoring Program	Gwinnett County	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14	FC	Fecal Coliform Monitoring Program. Monitoring under this program is completed in accordance with an EPD approved Sampling and Quality Assurance Plan.	6/2003		Proposed

CRITERIA TO DETERMINE WHETHER SUBSTANTIAL PROGRESS IS BEING MADE

The following set of criteria will be used to determine whether any substantial progress is being made towards reducing pollutants in impaired waterbodies and attaining water quality standards. Discussion on each criteria is recorded in the space provided. Additional relevant criteria are presented in comments.

- Percent of concentration or load change (monitoring program) _____

If monitoring results show that it is unlikely that the TMDL will be adequate to meet water quality standards, revision of the TMDL may be necessary.

- Categorical change in classification of the stream (delisting the stream is the goal) _____

- Regulatory controls or activities installed (ordinances, laws) _____

- Best management practices installed (agricultural, forestry, urban) _____

COMMENTS

Watershed: Yellow River
HUC10: #0307010304

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**Environmental Protection Division of the Department of Natural Resources,
State of Georgia.**

TOGETHER WE CAN MAKE A DIFFERENCE!