

STATE OF GEORGIA
TIER 2 TMDL IMPLEMENTATION PLAN REVISION #1
 Peachtree Creek, Nancy Creek and Others Watersheds
 Chattahoochee River Basin

Fulton, DeKalb, and Gwinnett Counties and the cities of Atlanta, Decatur, Avondale Estates, Clarkston, Chamblee, and Doraville

I. INTRODUCTION

Total Maximum Daily Load (TMDL) Implementation Plans are platforms for evaluating and tracking water quality protection and restoration. These plans have been designed to accommodate continual updates and revisions as new conditions and information warrant. In addition, field verification of watershed characteristics and listing data has been built into the preparation of the plans. The overall goal of the plans is to define a set of actions that will help achieve water quality standards in the state of Georgia.

This implementation plan addresses the general characteristics of the watershed, the sources of pollution, stakeholders and public involvement, and education/outreach activities. In addition, the plan describes regulatory and voluntary practices/control actions (*management measures*) to reduce pollutants, milestone schedules to show the development of the management measures (*measurable milestones*), and a monitoring plan to determine the efficiency of the management measures.

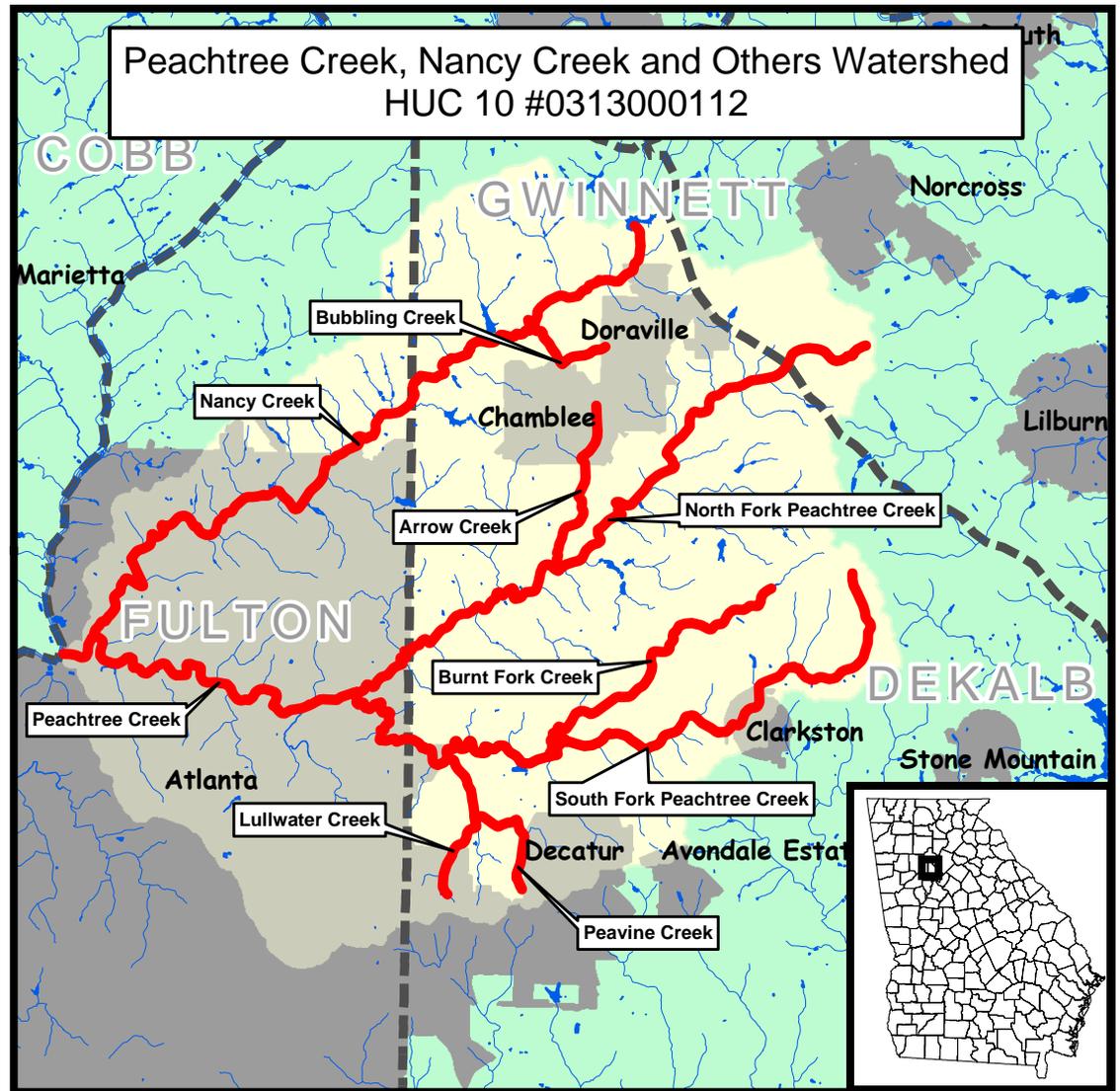


Table 1. IMPAIRMENTS

IMPAIRED STREAM SEGMENT	IMPAIRED SEGMENT LOCATION	IMPAIRMENT
Arrow Creek	DeKalb County	Fecal Coliform Bacteria
Bubbling Creek	DeKalb County	Fecal Coliform Bacteria
Burnt Fork Creek	DeKalb County	Fecal Coliform Bacteria
Lullwater Creek	DeKalb County	Fecal Coliform Bacteria
Nancy Creek	Headwaters to Peachtree Creek, Atlanta	Fecal Coliform Bacteria
North Fork Peachtree Creek	Headwaters to Peachtree Creek	Fecal Coliform Bacteria
Peachtree Creek	I-85 to Chattahoochee River, Atlanta	Fecal Coliform Bacteria
Peavine Creek	DeKalb County	Fecal Coliform Bacteria
South Fork Peachtree Creek	Atlanta	Fecal Coliform Bacteria

IMPAIRED STREAM SEGMENT	IMPAIRED SEGMENT LOCATION	IMPAIRMENT
Clear Creek*	Atlanta	Dissolved Oxygen
Clear Creek*	Atlanta	Fecal Coliform Bacteria
Woodall Creek*	Atlanta	Fecal Coliform Bacteria
Tanyard Branch*	Atlanta	Fecal Coliform Bacteria

* Plan will be written by GA EPD

II. GENERAL INFORMATION ABOUT THE WATERSHED

Write a narrative describing the watershed, HUC 10#: 0313000112. Include an updated overview of watershed characteristics. Identify new conditions and verify or correct information in the TMDL document using the most current data. Include the size and location of the watershed, political jurisdictions, and physical features which could influence water quality. Describe the source and date of the latest land cover/use for the watershed. Describe and quantify major land uses and activities which could influence water quality. See the instructions for more information on what to include.

The Peachtree Creek, Nancy Creek and Others Watershed (HUC10 #0313000112) is located in the north central portion of metro Atlanta in Fulton, DeKalb and Gwinnett Counties. The land area for HUC 10 #0313000112 is 83,622 acres. There are four major highways that cross this HUC10; Interstate 75, Interstate 85, Interstate 285 and Georgia 400. Based on available ARC 2001 land cover data this area appears to be primarily residential. There is also a large amount of Commercial areas in this HUC10, especially in the southwestern and northeastern portions of this HUC10. There are very few forested areas in this HUC10.

The stream segments identified on Georgia Environmental Protection Division's 303(d) list in HUC10 #0313000112 for which ARC has developed an implementation plan include: Arrow Creek (DeKalb County), Bubbling Creek (DeKalb County), Burnt Fork Creek (DeKalb County), Lullwater Creek (DeKalb County), Nancy Creek (Headwaters to Peachtree Creek, Atlanta), North Fork Peachtree Creek (Headwaters to Peachtree Creek), Peachtree Creek (I-85 to Chattahoochee River, Atlanta), Peavine Creek (DeKalb County) and South Fork Peachtree Creek (Atlanta). The 303 (d) listed stream segment of Arrow Creek (DeKalb County) begins in the City of Chamblee and flows south into North Fork Peachtree Creek. The Bubbling Creek (DeKalb County) segment begins near the City of Doraville, and then flows west into Nancy Creek. The Burnt Fork Creek (DeKalb County) stream segment is located entirely in DeKalb County and flows into South Fork Peachtree Creek. The Lullwater Creek (DeKalb County) stream segment begins in the City of Atlanta near Decatur then flows north into Peavine Creek. The Nancy Creek (Headwaters to Peachtree Creek, Atlanta) stream segment begins in north DeKalb County near the City of Doraville then flows southwest through the City of Atlanta. The North Fork Peachtree Creek (Headwaters to Peachtree Creek) stream segment begins in Gwinnett County and then flows southwest through DeKalb County and into the City of Atlanta. The Peachtree Creek (I-85 to Chattahoochee River, Atlanta) is located entirely in the City of Atlanta. The Peavine Creek (DeKalb County) stream segment begins near the City of Decatur then flows north into South Fork Peachtree Creek. The South Fork Peachtree Creek (Atlanta) stream segment begins near the City of Clarkston in DeKalb County then flows west through unincorporated DeKalb County and into the City of Atlanta. The Arrow Creek, Bubbling Creek, Burnt Fork Creek, Lullwater Creek, Nancy Creek, North Fork Peachtree Creek, Peavine Creek and South Fork Peachtree Creek stream segments all have smaller land areas than the entire HUC10 watershed that affect the actual TMDL stream segments. The Peachtree Creek (I-85 to Chattahoochee River, Atlanta) stream segment on the other hand has a slightly larger land area than the entire HUC10 watershed that affects the actual TMDL stream segment. The local governments with interest in the Section 305(b) / Section 303(d) listed stream segments in HUC10 #0313000112 include: Fulton, DeKalb, and Gwinnett Counties and the cities of Atlanta, Decatur, Avondale Estates, Clarkston, Chamblee, and Doraville.

We have included below nine tables that describe the land cover for each of the nine TMDL stream segment watersheds. The land cover data used to develop these tables is data developed by the Atlanta Regional Commission in 2001. This land cover data has not changed significantly since the TMDL was prepared. The acreage totals found in the below tables reflect the watershed boundaries ARC has updated this year. The acreage totals found below differ from those found in the TMDLs because more accurate watershed delineations were made for each stream segment than those used for the development of the TMDLs. These updated TMDL stream segment watershed boundaries will be provided to GA EPD. These tables also define how ARC has aggregated the ARC Land cover codes into simplified groupings similar to those found in the TMDL. An additional table has been added to the last page of this document that defines the Aggregated ARC Land Cover Codes.

ARC 2001 Land Cover for Arrow Creek TMDL Segment Watershed

Land Cover Classification	Area (Acres)	% of Total Area	Aggregated ARC Land Cover Codes
Medium-Density Residential	597.80	30.41%	112
Commercial	584.09	29.71%	12, 15, 121
Transportation and Utilities	418.10	21.27%	14, 145
High-Density Residential	275.24	14.00%	113, 119, 117
Transitional & Extractive Lands	48.99	2.49%	17, 74, 75, 76
Forest/Open Space	41.57	2.11%	40, 171, 172, 173
Industrial/Institutional	0.04	0.00%	13
Total Acres	1965.84	100.00%	

ARC 2001 Land Cover for Bubbling Creek TMDL Segment Watershed

Land Cover Classification	Area (Acres)	% of Total Area	Aggregated ARC Land Cover Codes
Commercial	477.30	43.85%	12, 15, 121
Medium-Density Residential	324.35	29.80%	112
Industrial/Institutional	243.61	22.38%	13
Transportation and Utilities	22.14	2.03%	14, 145
Forest/Open Space	20.23	1.86%	40, 171, 172, 173
High-Density Residential	0.98	0.09%	113, 119, 117
Total Acres	1088.61	100.00%	

ARC 2001 Land Cover for Burnt Fork Creek TMDL Segment Watershed

Land Cover Classification	Area (Acres)	% of Total Area	Aggregated ARC Land Cover Codes
Medium-Density Residential	1720.61	56.09%	112
Commercial	843.20	27.49%	12, 15, 121
High-Density Residential	221.26	7.21%	113, 119, 117
Forest/Open Space	185.05	6.03%	40, 171, 172, 173
Transportation and Utilities	45.12	1.47%	14, 145
Transitional & Extractive Lands	28.65	0.93%	17, 74, 75, 76
Water/Wetland	22.98	0.75%	51, 53, 60
Low-Density Residential	0.53	0.02%	111
Total Acres	3067.40	100.00%	

ARC 2001 Land Cover for Lullwater Creek TMDL Segment Watershed

Land Cover Classification	Area (Acres)	% of Total Area	Aggregated ARC Land Cover Codes
Medium-Density Residential	605.27	34.49%	112
High-Density Residential	550.61	31.37%	113, 119, 117
Forest/Open Space	371.89	21.19%	40, 171, 172, 173
Commercial	133.54	7.61%	12, 15, 121
Transitional & Extractive Lands	81.53	4.65%	17, 74, 75, 76
Transportation and Utilities	12.11	0.69%	14, 145
Total Acres	1754.95	100.00%	

ARC 2001 Land Cover for Nancy Creek TMDL Segment Watershed

Land Cover Classification	Area (Acres)	% of Total Area	Aggregated ARC Land Cover Codes
Medium-Density Residential	12735.22	52.32%	112
Commercial	5073.19	20.84%	12, 15, 121
High-Density Residential	1925.53	7.91%	113, 119, 117
Forest/Open Space	1492.35	6.13%	40, 171, 172, 173
Low-Density Residential	1226.93	5.04%	111
Transportation and Utilities	934.67	3.84%	14, 145
Industrial/Institutional	526.96	2.16%	13
Transitional & Extractive Lands	242.38	1.00%	17, 74, 75, 76
Agricultural Lands	106.23	0.44%	21, 22, 23, 24
Water/Wetland	79.81	0.33%	51, 53, 60
Total Acres	24343.25	100.00%	

ARC 2001 Land Cover for North Fork Peachtree Creek TMDL Segment Watershed

Land Cover Classification	Area (Acres)	% of Total Area	Aggregated ARC Land Cover Codes
Medium-Density Residential	13201.66	52.76%	112
Commercial	6025.43	24.08%	12, 15, 121
High-Density Residential	2952.65	11.80%	113, 119, 117
Transportation and Utilities	1335.52	5.34%	14, 145
Forest/Open Space	885.03	3.54%	40, 171, 172, 173
Water/Wetland	225.14	0.90%	51, 53, 60
Transitional & Extractive Lands	219.72	0.88%	17, 74, 75, 76
Industrial/Institutional	175.93	0.70%	13
Total Acres	25021.09	100.00%	

ARC 2001 Land Cover for Peachtree Creek TMDL Segment Watershed

Land Cover Classification	Area (Acres)	% of Total Area	Aggregated ARC Land Cover Codes
Medium-Density Residential	40037.05	47.70%	112
Commercial	20537.73	24.47%	12, 15, 121
High-Density Residential	10191.03	12.14%	113, 119, 117
Forest/Open Space	5481.28	6.53%	40, 171, 172, 173
Transportation and Utilities	3532.93	4.21%	14, 145
Low-Density Residential	1442.75	1.72%	111
Transitional & Extractive Lands	1276.82	1.52%	17, 74, 75, 76
Industrial/Institutional	836.00	1.00%	13
Water/Wetland	460.75	0.55%	51, 53, 60
Agricultural Lands	143.44	0.17%	21, 22, 23, 24
Total Acres	83939.77	100.00%	

ARC 2001 Land Cover for Peavine Creek TMDL Segment Watershed

Land Cover Classification	Area (Acres)	% of Total Area	Aggregated ARC Land Cover Codes
Medium-Density Residential	1790.33	46.98%	112
Commercial	766.61	20.12%	12, 15, 121
High-Density Residential	678.62	17.81%	113, 119, 117
Forest/Open Space	453.47	11.90%	40, 171, 172, 173
Transitional & Extractive Lands	99.21	2.60%	17, 74, 75, 76
Transportation and Utilities	22.41	0.59%	14, 145
Total Acres	3810.66	100.00%	

**ARC 2001 Land Cover for South Fork Peachtree Creek TMDL Segment
Watershed**

Land Cover Classification	Area (Acres)	% of Total Area	Aggregated ARC Land Cover Codes
Medium-Density Residential	8755.11	45.73%	112
Commercial	4375.34	22.85%	12, 15, 121
High-Density Residential	2930.54	15.31%	113, 119, 117
Forest/Open Space	2034.49	10.63%	40, 171, 172, 173
Transportation and Utilities	459.68	2.40%	14, 145
Transitional & Extractive Lands	249.13	1.30%	17, 74, 75, 76
Low-Density Residential	215.82	1.13%	111
Water/Wetland	88.44	0.46%	51, 53, 60
Agricultural Lands	37.20	0.19%	21, 22, 23, 24
Total Acres	19145.75	100.00%	

All nine 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. The GA Environmental Protection Division has developed the implementation plans for the other four stream segments listed on the cover of this document. For information on these implementation plans please contact Mary Gazaway at (404) 675-1745.

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 2003 that shows a reduction in fecal coliform levels is needed. The required reductions in Fecal Coliform loads are as follows: 90% for Arrow Creek (DeKalb County), 93% for Bubbling Creek (DeKalb County), 85% for Burnt Fork Creek (DeKalb County), 76% for Lullwater Creek (DeKalb County), 84% for Nancy Creek (Headwaters to Peachtree Creek, Atlanta), 91% for North Fork Peachtree Creek (Headwaters to Peachtree Creek), 99% for Peachtree Creek (I-85 to Chattahoochee River, Atlanta), 79% for Peavine Creek (DeKalb County) and 99% for South Fork Peachtree Creek (Atlanta).

Staff from the City of Atlanta, Fulton County Department of Public Works and DeKalb County Public Works helped to identify the potential sources of fecal coliform in these segment watersheds. The following potential fecal coliform sources were identified for the

stream segments in HUC10 #0313000112: urban runoff, animal waste, SSOs, sanitary sewer overflows & leaks, illicit connections, and leaking/failing septic systems.

This implementation plan was developed with the help of representatives from the DeKalb County Public Works, Fulton County Public Works, Gwinnett County Department of Public Utilities, the Metropolitan North Georgia Water Planning District and the cities of Atlanta, Chamblee and Doraville. The Atlanta Regional Commission coordinated the public meetings and the input received from local stakeholders and technical advisory staff. Comments and requested revisions to the draft plan have been considered in developing this final draft implementation plan.

The GA EPD will be conducting TMDL monitoring in the Chattahoochee River Basin in 2005. This data will be used to list and possibly delist stream segments. DeKalb County and City of Atlanta both conduct fecal coliform monitoring on stream segments in this HUC10. Fulton County has a monitoring component in their Watershed Protection Plan which identifies a sample site on Nancy Creek.

A portion of the affected governments' management measures are based on their NPDES Phase I Municipal Separate Storm Sewer System (MS4) Permit requirements. These programs include: stormwater ordinances, public education & outreach programs, public participation/involvement programs, illicit discharge detection and elimination programs, construction site runoff control, post-construction runoff control and pollution prevention/good housekeeping.

The affected governments all have public education / outreach programs in place to educate the general public about water quality concerns. These programs include a range of activities such as educational brochures/bill inserts and activities for schools age students. DeKalb County, Fulton County, Gwinnett County and the City of Atlanta all participate in the Clean Water Campaign (www.cleanwatercampaign.com). The City of Atlanta provides water related educational information on two websites www.cleanwateratlanta.org and www.atlantapublicworks.org. DeKalb County also maintains a website with water related issues (<https://dklbweb.dekalbga.org/watersewer>). Gwinnett County Department of Public Utilities maintains a stormwater website (www.gwinnettstormwater.com) for educating the general public as well as the professional community on stormwater issues. An active Adopt-A-Stream program operates in Fulton, DeKalb, and Unincorporated Gwinnett Counties and the City of Atlanta. Storm Drain stenciling programs are also common throughout the watershed area.

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.

Arrow Creek

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
Arrow Creek	DeKalb County *	3 miles / 1,965 acres	Fishing	NS

* DeKalb County (correction to description error in Water Quality in Georgia 305(b)/303(d) Report, 2000-2001, and in Total Maximum Daily Load Evaluation for Seventy-nine Stream Segments in the Chattahoochee River Basin for Fecal Coliform, February 2003)

III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	Urban Runoff (UR)	90%

IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
- Field surveys
- Review of land cover data
- Evaluation of sources

A meeting was held in March 2004 with local city and county staff to review the TMDL segment and discuss potential sources of pollution. In May 2004 public meetings were held to solicit general stakeholder involvement. Large presentation size maps using 2003 aerial imagery were developed for the public meetings as a tool to help locate sources. The stakeholders were asked for their input on any potential sources of pollution in the area. In addition to reviewing aerial imagery ARC staff will review the most recent landuse data available (year 2001) for the area and will be updating the watershed description found in the TMDLs. This process involved first verifying that the correct watershed was used in the development of the TMDL. ARC staff has updated watershed delineations and will provide the updated watershed boundaries to GA EPD.

In addition to the efforts stated above DeKalb County as a part of their Compliance and Infrastructure Program routinely performs inspections of aerial and buried sewer line crossings. DeKalb County also performs routine walks of sewer outfalls, 12 inches or greater, along creeks banks for I/I related problems.

To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The SOURCES SHOULD BE RANKED** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed effected, the stream miles effected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Fecal Coliform	Urban Runoff	Entire Segment	Large	Nonpoint source / stormwater runoff
Fecal Coliform	SSOs	Sporadic	Small	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures
Fecal Coliform	Animal wastes	Entire Segment	Small	Nonpoint source - pets and wildlife
Fecal Coliform	Septic tank systems	Sporadic	Negligible	Leaking / runoff from failing septic tank systems, including faulty drain fields
Fecal Coliform	Illicit connections	Sporadic	Negligible	Improper connections of sanitary sewer flows to the storm drain system

V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

As a first step an initial meeting was held in March 2004 with local government agencies to determine possible sources of pollution as well as any preventative / corrective measures in place or planned for the area. The local government agencies in the advisory group for this segment are listed in Table 4.

The most important part of developing these implementation plans is locating stakeholders in this area. ARC staff searched for stakeholders listed on existing mailing lists (Home Owner Associations, Adopt-A-Stream, Watershed Alliance groups, etc.) to invite to the public meetings. The staff also gathered tax assessment information on landowners who owned more than 50 acres in the county. These stakeholders were considered large landowners and included public, private, and commercial types of property. Businesses listed on EPA's Enforcement & Compliance History Online (ECHO) website (www.epa.gov/echo) that were located in the area were also invited to the public meetings. A list of elected officials, chambers of commerce, parks & recreation departments, NRCS, GA Soil & Water Conservation Commission, and National Park Service representatives were also invited to the public meetings. ARC staff also included schools, libraries, and large apartment complexes in the public meeting mailing list.

The next outreach activity was to develop a website for this project (www.atlantaregional.com/cleanerstreams). The website provided a variety of information and access opportunities for the TMDL Implementation Plan process. The website identified the local government participants, provided a list and map of the TMDL stream segments. The TMDL documents, the 303(d) list and other background information was available on this website. An online sign-up and feed-back form was included on the website so that people could sign up to be a stakeholder. These stakeholder names and other stakeholders can be found in Appendix A. In an effort to provide further detailed information on the TMDL stream segments and their watersheds, an interactive GIS map was developed as a part of the website. This interactive mapping technology allows individuals to zoom in to the area they are interested in and print out maps. The website also included access to a 10-minute video and slide presentation that explains the implementation plan development process and provides online feedback thus creating a virtual stakeholder public meeting and involvement process. This video resource was made available from May 3, 2004 to August 3, 2004. During this three month period a total of 129 visitors accessed the virtual public meeting. It was confirmed that public libraries in the area have high speed internet access and that the virtual public meeting could be viewed on computers at any public library in the metro Atlanta area.

The next step in this process involved holding 4 initial public meetings in May 2004 to educate stakeholders about this process and solicit input. A total of 43 persons attended the public meetings.

Methods used to inform the general public about the implementation plan development process and the public meetings include: having major environmental groups send out meeting notices in their electronic newsletters, distributing press releases, purchasing newspaper advertising space, sending out numerous e-mails announcing the initial meetings and finally mailing out 3500 meeting announcements to local groups (home owner associations, watershed alliances, etc.), businesses, large landowners, elected officials, Chambers of Commerce, Parks & Recreation Departments, NRCS, and the National Park Service.

After input had been received from our local government advisory group and stakeholders a draft implementation plan was developed. This draft document was made available to all stakeholders for discussion and input at the 4 public meetings held in June 2004. A total of 37 persons attended the public meetings.

List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

Table 4. COMMITTEE MEMBERS

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
Georgia Soil and Water Conservation Commission	1500 Klondike Road Suite A109	Conyers	GA	30094	770-761-3020	kshahlaee@gaswcc.org
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works	1580 Roadhaven Drive	Stone Mountain	GA	30083		
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
DeKalb County Health Department	PO Box 987	Decatur	GA	30031		
City of Chamblee	5468 Peachtree Road	Chamblee	GA	30341		
Metropolitan North Georgia Water Planning District	40 Courtland Street, NE	Atlanta	GA	30303	404-463-3260	

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

Table 5. MANAGEMENT MEASURES AND ACTIVITIES

MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/ IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
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.	DeKalb County Water / Wastewater Revenue	In-Progress	09/1997	Moderate
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	Storm Water Revenue	In-progress	1998	Very
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) and manhole rehabilitation.	DeKalb County Water / Wastewater Revenue	Ongoing	1996	Very
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.	DeKalb County Water / Wastewater Revenue	Ongoing	2001	To Be Determined
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.	DeKalb County Board of Health	Enforced	June 30, 1980	Moderate
Street Sweeping Program	City of Chamblee	Year round street sweeping program that covers the town approximately once a month. This includes sweeping all streets, and storm drains.	City General Fund	Ongoing	2002 (Enacted)	Moderate

District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	As a part of this watershed management plan MS4 Phase I and Phase II communities will be required to adopt the following ordinances: Post Development Storm Water Management for New Development and Redevelopment, Illicit Discharge and Illegal Connection, and Stream Buffer Protection. As well as establishing municipal Good Housekeeping Practices.	Local Funds	Ongoing	2004 & 2005	Very
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local wastewater systems will implement a policy on private wastewater systems, develop interim decentralized system plans with concept of merging into larger systems, a grease management program, and numerous sewer system programs (mapping, maintenance programs, Rehab identification and construction program and capacity certification program).	Local Funds	Ongoing	2005	Very

VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

Table 6. MONITORING PLAN

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	
FC	Georgia EPD, Water Protection Branch or local government	Recommended	2004	2005	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia

VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities which will be conducted to support this plan and the implementation of it.

Table 7. PLANNED OUTREACH

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
DeKalb County Roads & Drainage Division	Storm drain stenciling program	General public (residential /commercial/industrial)	Ongoing (1999)
DeKalb County Roads & Drainage Division	Educational brochures	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: http://dklbweb.dekalbga.org/watersewer	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	Middle school students	Ongoing (2003)
City of Chamblee	Distribute Education Stormwater Flyers	City Residents	2002 (Enacted)
City of Chamblee	Storm Drain Stenciling	General Public	1997 (Enacted)
Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local Governments will participate in a regional public education program such as the Clean Water Campaign, or establish its own program. The program must address water quality issues and the promotion of water conservation.	General Public	2004

IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

- Accomplishment of management practices or activities - outreach activities
- Installation of BMPs

to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

Table 8. MILESTONES

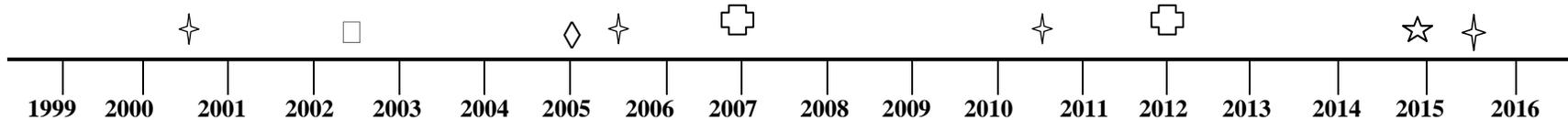
MANAGEMENT MEASURE	RESPONSIBLE ORGANIZATIONS	STATUS		COMMENT
		PROPOSED	INSTALLED	
Phase I MS4 Municipal Stormwater Permit	DeKalb County	1997	Ongoing	Annual Reports submitted to EPD
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Inspections of Industrial / commercial sites for spill prevention and control
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Outfall screenings for illicit connections
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	2000	Ongoing	Implementation of Storm Water Management Design Manual to provide BMPs for development sites
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2002	Ongoing	Passage of ordinance modifications
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Implementation of conservation zoning
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Increase level of site inspections for compliance with erosion and sediment control requirements
Point Source Pollution Control	DeKalb County Water & Sewer	2005	2010	Projects initiated and/or completed for design and construction
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1999	Ongoing	Number of inspections completed;
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1996	Ongoing	Miles of sewer line mapped and cleaned
Restoration and Retrofit Programs	DeKalb County government	2001	Ongoing	Number of projects or linear feet of prairie grass planted;
Restoration and Retrofit Programs	DeKalb County government	2005	Ongoing	Number of projects identified through feasibility studies, and then designed and constructed
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	1980	Ongoing	Continue the process of reviewing the installation of septic systems as a part of the development review process
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	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.
Street Sweeping Program	City of Chamblee		2002 (Enacted)	In 2002 the city ran the program for 1280 man hours and for 450 hours in 2003. Year round street sweeping program that covers the town approximately once a month.
Distribute Education Stormwater Flyers	City of Chamblee		2002 (Enacted)	Efforts were made to speak with all residents and business owners about the importance of not polluting the storm water system.

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Storm Drain Stenciling	City of Chamblee		1997 (Enacted)	All city storm drains in residential neighborhoods were stenciled in 1997. The stencils will be reapplied as necessary.
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2004 & 2005	Refer to the District-wide Watershed Management Plan
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2005	Refer to the Long-Term Wastewater Management Plan

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 Georgia EPD.



- Scheduled EPD basin Group Monitoring ✦
- TMDL Completed □
- TMDL Implementation Plan Accepted ◇
- Evaluation of implementation plan/water quality improvement ⊕
- Project Attainment ☆

Prepared By:	Matt Harper		
Agency:	Atlanta Regional Commission		
Address:	40 Courtland Street, NE		
City:	Atlanta	ST:	GA ZIP: 30303
E-mail:	mharper@atlantaregional.com		
Date Submitted to EPD:	August 30, 2004	Revision:	#1

The preparation of this report was financed in part through a grant from the U.S. Environmental Protection Agency under the provisions of Section 106 or Section 604(b) of the Federal Water Pollution Control Act, as amended.

APPENDIX A
STAKEHOLDERS

List the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
Allison Cohen / Emory University	Emory University	Atlanta	GA	30322		
Dieter Franz	3653 N. Stratford Road				404-261-8697	cdf Franz@comcast.net
Janie Dewald Bailey	60 North River Road	McDonough	GA	30252-8711		JPDBailey@juno.com
Steve Boudreaux	P.O. Box 36	Pine Lake	GA	30072		steveboudreaux@yahoo.com
Alice Champagne / Upper Chattahoochee Riverkeeper	916 Joseph Lowery Blvd	Atlanta	GA	30318	404-352-9828	achampagne@ucriverkeeper.org
Andrea Pinabell / Stormwater Management Inc.	430 Lindbergh Drive #F3	Atlanta	GA	30305	404-846-5785	andreap@stormwaterinc.com
Ben R. Jordan / The Coca-Cola Company	P.O. Box 1734	Atlanta	GA	30301		bjordan@na.ko.com
Bruce W. Thurlby / Archaea Solutions, Inc.	100 Lloyd Avenue, Suite D	Tyrone	GA	30290	770-487-5303	bruce.thurlby@archaseasolutions.com
Bryan Barrett / USDA	355 East Hancock Ave	Athens	GA	30601	706-546-2039	bryan.barrett@ga.usda.gov
Buddy Belflower / USDA/NRCS	734 Crescent Dr	Gainesville	GA	30501	770-536-6981	buddy.belflower@ga.usda.gov
Chad Knudsen / Ecological Solutions					770-998-7848	chadknudsen@ecologicalsolutions.net
Chrissy Marlowe / GA DCA	225 West Broad St.	Athens	GA	30601	706-425-3077	cmarlowe@dca.state.ga.us
Chuck Budinger / Corporate Env. Risk Management	2116 Monroe Drive, Suite 110	Atlanta	GA	30324	678-999-0173	cbudinger@cerm.com
David Smith	740 Hunterhill Court	Roswell	GA	30075	770-641-3096	davidsmith@ecologicalsolutions.net
David Smith / Ecological Solutions	630 Colonial Park Drive, Suite 200	Roswell	GA	30075	770-998-7848	davidsmith@ecologicalsolutions.net
Duncan Cottrell / Adopt-A-Stream Coordinator / Upper Etowah River Alliance					770-735-2778	duncancottrell@yahoo.com
Geneva Nelson / Foundation for Global Community	899 Chippendale Lane	Norcross	GA	30093	770-564-2730	genevaan@yahoo.com
Jason Barringer	2446 Fallview Terrace	East Point	GA	30344		forrain2@hotmail.com
Kevin Johnson / The Trust for Public Land	1447 Peachtree Street Suite 601	Atlanta	GA	30309	404.873.7306	kevin.johnson@tpl.org
Kimberly Aji / Jordan Jones and Goulding	6801 Governors Lake Parkway	Norcross	GA	30071	6783330232	kaji@jgg.com

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Linda MacGregor / McKenzie MacGregor Incorporated	3455 Lawrenceville Suwanee Road, Suite A	Suwanee	GA	30024	678-546-9450	lmacgregor@mckmacg.com
Max Walker	941 Pine Roc Drive	Stone Mountain	GA	30083	770/469/4786	MAXWALKER@mindspring.com
Rose Mary Seymour / UGA - Griffin Campus	1109 Experiment St	Griffin	GA	30223	770 229-3214	rseymour@griffin.uga.edu

APPENDIX B
UPDATES TO THIS PLAN

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.

Bubbling Creek

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
Bubbling Creek	DeKalb County	2 miles / 1,088 acres	Fishing	NS

III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	Urban Runoff (UR)	93%

IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
- Field surveys
- Review of land cover data
- Evaluation of sources

A meeting was held in March 2004 with local city and county staff to review the TMDL segment and discuss potential sources of pollution. In May 2004 public meetings were held to solicit general stakeholder involvement. Large presentation size maps using 2003 aerial imagery were developed for the public meetings as a tool to help locate sources. The stakeholders were asked for their input on any potential sources of pollution in the area. In addition to reviewing aerial imagery ARC staff will review the most recent landuse data available (year 2001) for the area and will be updating the watershed description found in the TMDLs. This process involved first verifying that the correct watershed was used in the development of the TMDL. ARC staff has updated watershed delineations and will provide the updated watershed boundaries to GA EPD.

In addition to the efforts stated above DeKalb County as a part of their Compliance and Infrastructure Program routinely performs inspections of aerial and buried sewer line crossings. DeKalb County also performs routine walks of sewer outfalls, 12 inches or greater, along creeks banks for I/I related problems.

To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The *SOURCES SHOULD BE RANKED*** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed effected, the stream miles effected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Fecal Coliform	Urban Runoff	Entire Segment	Large	Nonpoint source / stormwater runoff
Fecal Coliform	SSOs	Sporadic	Small	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures
Fecal Coliform	Animal wastes	Entire Segment	Small	Nonpoint source - pets and wildlife
Fecal Coliform	Septic tank systems	Sporadic	Negligible	Leaking / runoff from failing septic tank systems, including faulty drain fields
Fecal Coliform	Illicit connections	Sporadic	Negligible	Improper connections of sanitary sewer flows to the storm drain system

V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

As a first step an initial meeting was held in March 2004 with local government agencies to determine possible sources of pollution as well as any preventative / corrective measures in place or planned for the area. The local government agencies in the advisory group for this segment are listed in Table 4.

The most important part of developing these implementation plans is locating stakeholders in this area. ARC staff searched for stakeholders listed on existing mailing lists (Home Owner Associations, Adopt-A-Stream, Watershed Alliance groups, etc.) to invite to the public meetings. The staff also gathered tax assessment information on landowners who owned more than 50 acres in the county. These stakeholders were considered large landowners and included public, private, and commercial types of property. Businesses listed on EPA's Enforcement & Compliance History Online (ECHO) website (www.epa.gov/echo) that were located in the area were also invited to the public meetings. A list of elected officials, chambers of commerce, parks & recreation departments, NRCS, GA Soil & Water Conservation Commission, and National Park Service representatives were also invited to the public meetings. ARC staff also included schools, libraries, and large apartment complexes in the public meeting mailing list.

The next outreach activity was to develop a website for this project (www.atlantaregional.com/cleanerstreams). The website provided a variety of information and access opportunities for the TMDL Implementation Plan process. The website identified the local government participants, provided a list and map of the TMDL stream segments. The TMDL documents, the 303(d) list and other background information was available on this website. An online sign-up and feed-back form was included on the website so that people could sign up to be a stakeholder. These stakeholder names and other stakeholders can be found in Appendix A. In an effort to provide further detailed information on the TMDL stream segments and their watersheds, an interactive GIS map was developed as a part of the website. This interactive mapping technology allows individuals to zoom in to the area they are interested in and print out maps. The website also included access to a 10-minute video and slide presentation that explains the implementation plan development process and provides online feedback thus creating a virtual stakeholder public meeting and involvement process. This video resource was made available from May 3, 2004 to August 3, 2004. During this three month period a total of 129 visitors accessed the virtual public meeting. It was confirmed that public libraries in the area have high speed internet access and that the virtual public meeting could be viewed on computers at any public library in the metro Atlanta area.

The next step in this process involved holding 4 initial public meetings in May 2004 to educate stakeholders about this process and solicit input. A total of 43 persons attended the public meetings.

Methods used to inform the general public about the implementation plan development process and the public meetings include: having major environmental groups send out meeting notices in their electronic newsletters, distributing press releases, purchasing newspaper advertising space, sending out numerous e-mails announcing the initial meetings and finally mailing out 3500 meeting announcements to local groups (home owner associations, watershed alliances, etc.), businesses, large landowners, elected officials, Chambers of Commerce, Parks & Recreation Departments, NRCS, and the National Park Service.

After input had been received from our local government advisory group and stakeholders a draft implementation plan was developed. This draft document was made available to all stakeholders for discussion and input at the 4 public meetings held in June 2004. A total of 37 persons attended the public meetings.

List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

Table 4. COMMITTEE MEMBERS

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
Georgia Soil and Water Conservation Commission	1500 Klondike Road Suite A109	Conyers	GA	30094	770-761-3020	kshahlaee@gaswcc.org
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works	1580 Roadhaven Drive	Stone Mountain	GA	30083		
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
DeKalb County Health Department	PO Box 987	Decatur	GA	30031		
City of Chamblee	5468 Peachtree Road	Chamblee	GA	30341		
Metropolitan North Georgia Water Planning District	40 Courtland Street, NE	Atlanta	GA	30303	404-463-3260	
City of Doraville	3725 Park Ave	Doraville	GA	30340		

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

Table 5. MANAGEMENT MEASURES AND ACTIVITIES

MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/ IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
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.	DeKalb County Water / Wastewater Revenue	In-Progress	09/1997	Moderate
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	Storm Water Revenue	In-progress	1998	Very
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) and manhole rehabilitation.	DeKalb County Water / Wastewater Revenue	Ongoing	1996	Very
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.	DeKalb County Water / Wastewater Revenue	Ongoing	2001	To Be Determined
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.	DeKalb County Board of Health	Enforced	June 30, 1980	Moderate
Street Sweeping Program	City of Chamblee	Year round street sweeping program that covers the town approximately once a month. This includes sweeping all streets, and storm drains.	City General Fund	Ongoing	2002 (Enacted)	Moderate

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District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	As a part of this watershed management plan MS4 Phase I and Phase II communities will be required to adopt the following ordinances: Post Development Storm Water Management for New Development and Redevelopment, Illicit Discharge and Illegal Connection, and Stream Buffer Protection. As well as establishing municipal Good Housekeeping Practices.	Local Funds	Ongoing	2004 & 2005	Very
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local wastewater systems will implement a policy on private wastewater systems, develop interim decentralized system plans with concept of merging into larger systems, a grease management program, and numerous sewer system programs (mapping, maintenance programs, Rehab identification and construction program and capacity certification program).	Local Funds	Ongoing	2005	Very

VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

Table 6. MONITORING PLAN

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	
FC	Georgia EPD, Water Protection Branch or local government	Recommended	2004	2005	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia
FC	DeKalb County Water & Sewer Division	Current	2001	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1992	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1970	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Proposed	2003	Ongoing	Stream Surveys - Quarterly stream walks to identify potential illicit discharges, areas of degradation, and other potential water quality problems.

VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities, which will be conducted to support this plan and the implementation of it.

Table 7. PLANNED OUTREACH

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
DeKalb County Roads & Drainage Division	Storm drain stenciling program	General public (residential /commercial/industrial)	Ongoing (1999)
DeKalb County Roads & Drainage Division	Educational brochures	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: http://dklbweb.dekalbga.org/watersewer	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	Middle school students	Ongoing (2003)
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City of Chamblee	Storm Drain Stenciling	General Public	1997 (Enacted)
Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local Governments will participate in a regional public education program such as the Clean Water Campaign, or establish its own program. The program must address water quality issues and the promotion of water conservation.	General Public	2004
City of Doraville	Storm Drain Stenciling	General Public	2003 (started)
City of Doraville	Providing Educational Stormwater Flyers (available at City Hall)	General Public / Business Community	2002 (started)

IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

- Accomplishment of management practices or activities - outreach activities
- Installation of BMPs

to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

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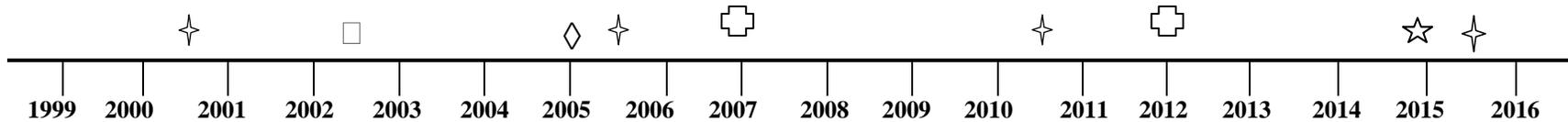
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DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Outfall screenings for illicit connections
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	2000	Ongoing	Implementation of Storm Water Management Design Manual to provide BMPs for development sites
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2002	Ongoing	Passage of ordinance modifications
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Implementation of conservation zoning
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Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1999	Ongoing	Number of inspections completed;
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Restoration and Retrofit Programs	DeKalb County government	2001	Ongoing	Number of projects or linear feet of prairie grass planted;
Restoration and Retrofit Programs	DeKalb County government	2005	Ongoing	Number of projects identified through feasibility studies, and then designed and constructed
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	1980	Ongoing	Continue the process of reviewing the installation of septic systems as a part of the development review process
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	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.
Street Sweeping Program	City of Chamblee		2002 (Enacted)	In 2002 the city ran the program for 1280 man hours and for 450 hours in 2003. Year round street sweeping program that covers the town approximately once a month.
Distribute Education Stormwater Flyers	City of Chamblee		2002 (Enacted)	Efforts were made to speak with all residents and business owners about the importance of not polluting the storm water system.

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Storm Drain Stenciling	City of Chamblee		1997 (Enacted)	All city storm drains in residential neighborhoods were stenciled in 1997. The stencils will be reapplied as necessary.
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2004 & 2005	Refer to the District-wide Watershed Management Plan
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2005	Refer to the Long-Term Wastewater Management Plan

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 Georgia EPD.



- Scheduled EPD basin Group Monitoring ✦
- TMDL Completed □
- TMDL Implementation Plan Accepted ◇
- Evaluation of implementation plan/water quality improvement ⊕
- Project Attainment ☆

Prepared By:	Matt Harper		
Agency:	Atlanta Regional Commission		
Address:	40 Courtland Street, NE		
City:	Atlanta	ST:	GA ZIP: 30303
E-mail:	mharper@atlantaregional.com		
Date Submitted to EPD:	August 30, 2004	Revision:	#1

The preparation of this report was financed in part through a grant from the U.S. Environmental Protection Agency under the provisions of Section 106 or Section 604(b) of the Federal Water Pollution Control Act, as amended.

APPENDIX A
STAKEHOLDERS

List the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
Ben R. Jordan / The Coca-Cola Company	P.O. Box 1734	Atlanta	GA	30301		bjordan@na.ko.com
Bruce W. Thurlby / Archaea Solutions, Inc.	100 Lloyd Avenue, Suite D	Tyrone	GA	30290	770-487-5303	bruce.thurlby@archaseasolutions.com
Bryan Barrett / USDA	355 East Hancock Ave	Athens	GA	30601	706-546-2039	bryan.barrett@ga.usda.gov
Buddy Belflower / USDA/NRCS	734 Crescent Dr	Gainesville	GA	30501	770-536-6981	buddy.belflower@ga.usda.gov
Chad Knudsen / Ecological Solutions					770-998-7848	chadknudsen@ecologicalsolutions.net
Chrissy Marlowe / GA DCA	225 West Broad St.	Athens	GA	30601	706-425-3077	cmarlowe@dca.state.ga.us
Chuck Budinger / Corporate Env. Risk Management	2116 Monroe Drive, Suite 110	Atlanta	GA	30324	678-999-0173	cbudinger@cerm.com
David Smith	740 Hunterhill Court	Roswell	GA	30075	770-641-3096	davidsmith@ecologicalsolutions.net
David Smith / Ecological Solutions	630 Colonial Park Drive, Suite 200	Roswell	GA	30075	770-998-7848	davidsmith@ecologicalsolutions.net
Duncan Cottrell / Adopt-A-Stream Coordinator / Upper Etowah River Alliance					770-735-2778	duncancottrell@yahoo.com
Geneva Nelson / Foundation for Global Community	899 Chippendale Lane	Norcross	GA	30093	770-564-2730	genevaan@yahoo.com
Jason Barringer	2446 Fallview Terrace	East Point	GA	30344		forrain2@hotmail.com
Kevin Johnson / The Trust for Public Land	1447 Peachtree Street Suite 601	Atlanta	GA	30309	404.873.7306	kevin.johnson@tpl.org
Kimberly Ajj / Jordan Jones and Goulding	6801 Governors Lake Parkway	Norcross	GA	30071	6783330232	kajy@jgg.com
Linda MacGregor / McKenzie MacGregor Incorporated	3455 Lawrenceville Suwanee Road, Suite A	Suwanee	GA	30024	678-546-9450	lmacgregor@mckmacg.com
Max Walker	941 Pine Roc Drive	Stone Mountain	GA	30083	770/469/4786	MAXWALKER@mindspring.com
Rose Mary Seymour / UGA - Griffin Campus	1109 Experiment St	Griffin	GA	30223	770 229-3214	rseymour@griffin.uga.edu
Alice Champagne / Upper Chattahoochee Riverkeeper	916 Joseph Lowery Blvd	Atlanta	GA	30318	404-352-9828	achampagne@ucriverkeeper.org
Allison Cohen / Emory University	Emory University	Atlanta	GA	30322		

TMDL Implementation Plan for Bubbling Creek
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Dieter Franz	3653 N. Stratford Road				404-261-8697	cdf Franz@comcast.net
Janie Dewald Bailey	60 North River Road	McDonough	GA	30252-8711		JPDBailey@juno.com
Steve Boudreaux	P.O. Box 36	Pine Lake	GA	30072		steveboudreaux@yahoo.com

APPENDIX B
UPDATES TO THIS PLAN

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.

Burnt Fork Creek

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
Burnt Fork Creek	DeKalb County	6 miles / 3,027 acres	Fishing	NS

III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	Urban Runoff (UR)	85%

IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
 - Field surveys
 - Review of land cover data
 - Evaluation of sources
-

A meeting was held in March 2004 with local city and county staff to review the TMDL segment and discuss potential sources of pollution. In May 2004 public meetings were held to solicit general stakeholder involvement. Large presentation size maps using 2003 aerial imagery were developed for the public meetings as a tool to help locate sources. The stakeholders were asked for their input on any potential sources of pollution in the area. In addition to reviewing aerial imagery ARC staff will review the most recent landuse data available (year 2001) for the area and will be updating the watershed description found in the TMDLs. This process involved first verifying that the correct watershed was used in the development of the TMDL. ARC staff has updated watershed delineations and will provide the updated watershed boundaries to GA EPD.

In addition to the efforts stated above DeKalb County as a part of their Compliance and Infrastructure Program routinely performs inspections of aerial and buried sewer line crossings. DeKalb County also performs routine walks of sewer outfalls, 12 inches or greater, along creeks banks for I/I related problems.

There has been a recent stream survey completed by Burnt Fork Creek Watershed Alliance (Final Report on the Burnt Fork Creek Stream Survey, 2003) on this stream (attached). As well a past survey completed by Southeastern Waters Americorps group (Survey of Burnt Fork Creek: 10/21/97 – 1/30/98, 1998).

To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The *SOURCES SHOULD BE RANKED*** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed effected, the stream miles effected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Fecal Coliform	Urban Runoff	Entire Segment	Large	Nonpoint source / stormwater runoff
Fecal Coliform	Sanitary Sewer Overflows & Leaks	Sporadic	Small	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures
Fecal Coliform	Animal wastes	Entire Segment	Small	Nonpoint source - pets and wildlife
Fecal Coliform	Septic tank systems	Sporadic	Negligible	Leaking / runoff from failing septic tank systems, including faulty drain fields
Fecal Coliform	Illicit connections	Sporadic	Negligible	Improper connections of sanitary sewer flows to the storm drain system

V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

As a first step an initial meeting was held in March 2004 with local government agencies to determine possible sources of pollution as well as any preventative / corrective measures in place or planned for the area. The local government agencies in the advisory group for this segment are listed in Table 4.

The most important part of developing these implementation plans is locating stakeholders in this area. ARC staff searched for stakeholders listed on existing mailing lists (Home Owner Associations, Adopt-A-Stream, Watershed Alliance groups, etc.) to invite to the public meetings. The staff also gathered tax assessment information on landowners who owned more than 50 acres in the county. These stakeholders were considered large landowners and included public, private, and commercial types of property. Businesses listed on EPA's Enforcement & Compliance History Online (ECHO) website (www.epa.gov/echo) that were located in the area were also invited to the public meetings. A list of elected officials, chambers of commerce, parks & recreation departments, NRCS, GA Soil & Water Conservation Commission, and National Park Service representatives were also invited to the public meetings. ARC staff also included schools, libraries, and large apartment complexes in the public meeting mailing list.

The next outreach activity was to develop a website for this project (www.atlantaregional.com/cleanerstreams). The website provided a variety of information and access opportunities for the TMDL Implementation Plan process. The website identified the local government participants, provided a list and map of the TMDL stream segments. The TMDL documents, the 303(d) list and other background information was available on this website. An online sign-up and feed-back form was included on the website so that people could sign up to be a stakeholder. These stakeholder names and other stakeholders can be found in Appendix A. In an effort to provide further detailed information on the TMDL stream segments and their watersheds, an interactive GIS map was developed as a part of the website. This interactive mapping technology allows individuals to zoom in to the area they are interested in and print out maps. The website also included access to a 10-minute video and slide presentation that explains the implementation plan development process and provides online feedback thus creating a virtual stakeholder public meeting and involvement process. This video resource was made available from May 3, 2004 to August 3, 2004. During this three month period a total of 129 visitors accessed the virtual public meeting. It was confirmed that public libraries in the area have high speed internet access and that the virtual public meeting could be viewed on computers at any public library in the metro Atlanta area.

The next step in this process involved holding 4 initial public meetings in May 2004 to educate stakeholders about this process and solicit input. A total of 43 persons attended the public meetings.

Methods used to inform the general public about the implementation plan development process and the public meetings include: having major environmental groups send out meeting notices in their electronic newsletters, distributing press releases, purchasing newspaper advertising space, sending out numerous e-mails announcing the initial meetings and finally mailing out 3500 meeting announcements to local groups (home owner associations, watershed alliances, etc.), businesses, large landowners, elected officials, Chambers of Commerce, Parks & Recreation Departments, NRCS, and the National Park Service.

After input had been received from our local government advisory group and stakeholders a draft implementation plan was developed. This draft document was made available to all stakeholders for discussion and input at the 4 public meetings held in June 2004. A total of 37 persons attended the public meetings.

List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

Table 4. COMMITTEE MEMBERS

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
Georgia Soil and Water Conservation Commission	1500 Klondike Road Suite A109	Conyers	GA	30094	770-761-3020	kshahlaee@gaswcc.org
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works	1580 Roadhaven Drive	Stone Mountain	GA	30083		
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
DeKalb County Health Department	PO Box 987	Decatur	GA	30031		
Metropolitan North Georgia Water Planning District	40 Courtland Street, NE	Atlanta	GA	30303	404-463-3260	

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

Table 5. MANAGEMENT MEASURES AND ACTIVITIES

MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/ IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
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TMDL Implementation Plan for Burnt Fork Creek
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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.	DeKalb County Water / Wastewater Revenue	In-Progress	09/1997	Moderate
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	Storm Water Revenue	In-progress	1998	Very
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) and manhole rehabilitation.	DeKalb County Water / Wastewater Revenue	Ongoing	1996	Very
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.	DeKalb County Water / Wastewater Revenue	Ongoing	2001	To Be Determined
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.	DeKalb County Board of Health	Enforced	June 30, 1980	Moderate
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	As a part of this watershed management plan MS4 Phase I and Phase II communities will be required to adopt the following ordinances: Post Development Storm Water Management for New Development and Redevelopment, Illicit Discharge and Illegal Connection, and Stream Buffer Protection. As well as establishing municipal Good Housekeeping Practices.	Local Funds	Ongoing	2004 & 2005	Very
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local wastewater systems will implement a policy on private wastewater systems, develop interim decentralized system plans with concept of merging into larger systems, a grease management program, and numerous sewer system programs (mapping, maintenance programs, Rehab identification and construction program and capacity certification program).	Local Funds	Ongoing	2005	Very

VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

Table 6. MONITORING PLAN

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	
FC	Georgia EPD, Water Protection Branch or local government	Recommended	2004	2005	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia
FC	DeKalb County Water & Sewer Division	Current	2001	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1992	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1970	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Proposed	2003	Ongoing	Stream Surveys - Quarterly stream walks to identify potential illicit discharges, areas of degradation, and other potential water quality problems.
pH, DO	Boy Scout Troop 103 Adopt-A-Stream Group / Burnt Fork Watershed Alliance	Current	June 2000	November 2002	Adopt-A-Stream monitoring. Sampling done using GA Adopt-A-Stream protocols. Samples collected at Mason Mill Park.

VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities, which will be conducted to support this plan and the implementation of it.

Table 7. PLANNED OUTREACH

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
DeKalb County Roads & Drainage Division	Storm drain stenciling program	General public (residential /commercial/industrial)	Ongoing (1999)
DeKalb County Roads & Drainage Division	Educational brochures	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: http://dklbweb.dekalbga.org/watersewer	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	Middle school students	Ongoing (2003)
Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local Governments will participate in a regional public education program such as the Clean Water Campaign, or establish its own program. The program must address water quality issues and the promotion of water conservation.	General Public	2004

IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

- Accomplishment of management practices or activities - outreach activities
- Installation of BMPs

to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

Table 8. MILESTONES

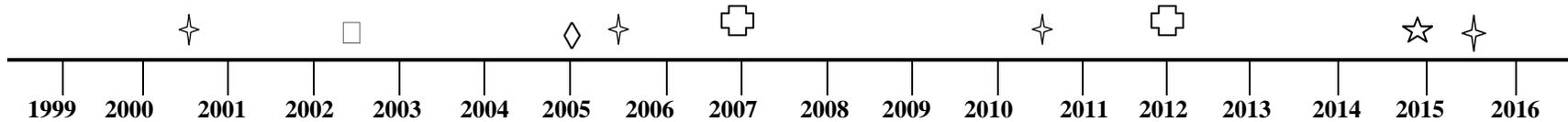
MANAGEMENT MEASURE	RESPONSIBLE ORGANIZATIONS	STATUS		COMMENT
		PROPOSED	INSTALLED	
Phase I MS4 Municipal Stormwater Permit	DeKalb County	1997	Ongoing	Annual Reports submitted to EPD

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DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Inspections of Industrial / commercial sites for spill prevention and control
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Outfall screenings for illicit connections
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	2000	Ongoing	Implementation of Storm Water Management Design Manual to provide BMPs for development sites
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2002	Ongoing	Passage of ordinance modifications
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Implementation of conservation zoning
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Increase level of site inspections for compliance with erosion and sediment control requirements
Point Source Pollution Control	DeKalb County Water & Sewer	2005	2010	Projects initiated and/or completed for design and construction
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1999	Ongoing	Number of inspections completed;
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1996	Ongoing	Miles of sewer line mapped and cleaned
Restoration and Retrofit Programs	DeKalb County government	2001	Ongoing	Number of projects or linear feet of prairie grass planted;
Restoration and Retrofit Programs	DeKalb County government	2005	Ongoing	Number of projects identified through feasibility studies, and then designed and constructed
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	1980	Ongoing	Continue the process of reviewing the installation of septic systems as a part of the development review process
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	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.
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2004 & 2005	Refer to the District-wide Watershed Management Plan
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2005	Refer to the Long-Term Wastewater Management Plan

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 Georgia EPD.



- Scheduled EPD basin Group Monitoring ✦
- TMDL Completed □
- TMDL Implementation Plan Accepted ◇
- Evaluation of implementation plan/water quality improvement ⊕
- Project Attainment ☆

Prepared By:	Matt Harper		
Agency:	Atlanta Regional Commission		
Address:	40 Courtland Street, NE		
City:	Atlanta	ST: GA	ZIP: 30303
E-mail:	Mharper@atlantaregional.com		
Date Submitted to EPD:	August 30, 2004	Revision:	#1

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STAKEHOLDERS

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Andrea Pinabell / Stormwater Management Inc.	430 Lindbergh Drive #F3	Atlanta	GA	30305	404-846-5785	andreap@stormwaterinc.com
Ben R. Jordan / The Coca-Cola Company	P.O. Box 1734	Atlanta	GA	30301		bjordan@na.ko.com
Bruce W. Thurlby / Archaea Solutions, Inc.	100 Lloyd Avenue, Suite D	Tyrone	GA	30290	770-487-5303	bruce.thurlby@archaseasolutions.com
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Chrissy Marlowe / GA DCA	225 West Broad St.	Athens	GA	30601	706-425-3077	cmarlowe@dca.state.ga.us
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Rose Mary Seymour / UGA - Griffin Campus	1109 Experiment St	Griffin	GA	30223	770 229-3214	rseymour@griffin.uga.edu
Alice Champagne / Upper	916 Joseph Lowery Blvd	Atlanta	GA	30318	404-352-9828	achampagne@ucriverkeeper.org

TMDL Implementation Plan for Burnt Fork Creek
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Chattahoochee Riverkeeper						
Ben R. Jordan	124 Mockingbird Lane	Decatur	GA	30030		brjordan@alum.mit.edu
Carol Hayes / Burnt Fork Watershed Alliance	2665 Spicer Lane	Decatur	GA	30033	404-320-9187	cehayes@mindspring.com
Allison Cohen / Emory University	Emory University	Atlanta	GA	30322		
Dieter Franz	3653 N. Stratford Road				404-261-8697	cdf Franz@comcast.net
Janie Dewald Bailey	60 North River Road	McDonough	GA	30252-8711		JPDBailey@juno.com
Steve Boudreaux	P.O. Box 36	Pine Lake	GA	30072		steveboudreaux@yahoo.com

APPENDIX B
UPDATES TO THIS PLAN

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.

17. Lullwater Creek

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
Lullwater Creek	DeKalb County	2 miles / 1,754 acres	Fishing	NS

III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	Urban Runoff (UR)	76%

IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
 - Field surveys
 - Review of land cover data
 - Evaluation of sources
-

A meeting was held in March 2004 with local city and county staff to review the TMDL segment and discuss potential sources of pollution. In May 2004 public meetings were held to solicit general stakeholder involvement. Large presentation size maps using 2003 aerial imagery were developed for the public meetings as a tool to help locate sources. The stakeholders were asked for their input on any potential sources of pollution in the area. In addition to reviewing aerial imagery ARC staff will review the most recent landuse data available (year 2001) for the area and will be updating the watershed description found in the TMDLs. This process involved first verifying that the correct watershed was used in the development of the TMDL. ARC staff has updated watershed delineations and will provide the updated watershed boundaries to GA EPD.

In addition to the efforts stated above DeKalb County as a part of their Compliance and Infrastructure Program routinely performs inspections of aerial and buried sewer line crossings. DeKalb County also performs routine walks of sewer outfalls, 12 inches or greater, along creeks banks for I/I related problems.

To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The *SOURCES SHOULD BE RANKED*** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed effected, the stream miles effected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Fecal Coliform	Urban Runoff	Entire Segment	Large	Nonpoint source / stormwater runoff
Fecal Coliform	SSOs	Sporadic	Small	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures
Fecal Coliform	Animal wastes	Entire Segment	Small	Nonpoint source - pets and wildlife
Fecal Coliform	Septic tank systems	Sporadic	Negligible	Leaking / runoff from failing septic tank systems, including faulty drain fields
Fecal Coliform	Illicit connections	Sporadic	Negligible	Improper connections of sanitary sewer flows to the storm drain system

V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities, which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

As a first step an initial meeting was held in March 2004 with local government agencies to determine possible sources of pollution as well as any preventative / corrective measures in place or planned for the area. The local government agencies in the advisory group for this segment are listed in Table 4.

The most important part of developing these implementation plans is locating stakeholders in this area. ARC staff searched for stakeholders listed on existing mailing lists (Home Owner Associations, Adopt-A-Stream, Watershed Alliance groups, etc.) to invite to the public meetings. The staff also gathered tax assessment information on landowners who owned more than 50 acres in the county. These stakeholders were considered large landowners and included public, private, and commercial types of property. Businesses listed on EPA's Enforcement & Compliance History Online (ECHO) website (www.epa.gov/echo) that were located in the area were also invited to the public meetings. A list of elected officials, chambers of commerce, parks & recreation departments, NRCS, GA Soil & Water Conservation Commission, and National Park Service representatives were also invited to the public meetings. ARC staff also included schools, libraries, and large apartment complexes in the public meeting mailing list.

The next outreach activity was to develop a website for this project (www.atlantaregional.com/cleanerstreams). The website provided a variety of information and access opportunities for the TMDL Implementation Plan process. The website identified the local government participants, provided a list and map of the TMDL stream segments. The TMDL documents, the 303(d) list and other background information was available on this website. An online sign-up and feed-back form was included on the website so that people could sign up to be a stakeholder. These stakeholder names and other stakeholders can be found in Appendix A. In an effort to provide further detailed information on the TMDL stream segments and their watersheds, an interactive GIS map was developed as a part of the website. This interactive mapping technology allows individuals to zoom in to the area they are interested in and print out maps. The website also included access to a 10-minute video and slide presentation that explains the implementation plan development process and provides online feedback thus creating a virtual stakeholder public meeting and involvement process. This video resource was made available from May 3, 2004 to August 3, 2004. During this three month period a total of 129 visitors accessed the virtual public meeting. It was confirmed that public libraries in the area have high speed internet access and that the virtual public meeting could be viewed on computers at any public library in the metro Atlanta area.

The next step in this process involved holding 4 initial public meetings in May 2004 to educate stakeholders about this process and solicit input. A total of 43 persons attended the public meetings.

Methods used to inform the general public about the implementation plan development process and the public meetings include: having major environmental groups send out meeting notices in their electronic newsletters, distributing press releases, purchasing newspaper advertising space, sending out numerous e-mails announcing the initial meetings and finally mailing out 3500 meeting announcements to local groups (home owner associations, watershed alliances, etc.), businesses, large landowners, elected officials, Chambers of Commerce, Parks & Recreation Departments, NRCS, and the National Park Service.

After input had been received from our local government advisory group and stakeholders a draft implementation plan was developed. This draft document was made available to all stakeholders for discussion and input at the 4 public meetings held in June 2004. A total of 37 persons attended the public meetings.

List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

Table 4. COMMITTEE MEMBERS

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
Georgia Soil and Water Conservation Commission	1500 Klondike Road Suite A109	Conyers	GA	30094	770-761-3020	kshahlaee@gaswcc.org
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works	1580 Roadhaven Drive	Stone Mountain	GA	30083		
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
DeKalb County Health Department	PO Box 987	Decatur	GA	30031		
NRCS (Marietta, GA Office)	678 South Cobb Drive, Suite 150	Marietta	GA	30060	770-792-0647	
City of Atlanta Office of the Mayor	55 Trinity Avenue Suite 2400	Atlanta	GA	30303	404-330-6100	sfranklin@atlantaga.gov
City of Atlanta Department of Watershed Management	55 Trinity Avenue Suite 5400	Atlanta	GA	30303	404-330-6081	rhunter@atlantaga.gov
City of Atlanta Department of Planning, Atlanta Planning & Advisory Board	55 Trinity Avenue, Suite 1450	Atlanta	GA	30303		
Metropolitan North Georgia Water Planning District	40 Courtland Street, NE	Atlanta	GA	30303	404-463-3260	

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

Table 5. MANAGEMENT MEASURES AND ACTIVITIES

MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/ IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
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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.	DeKalb County Water / Wastewater Revenue	In-Progress	09/1997	Moderate
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	Storm Water Revenue	In-progress	1998	Very
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) and manhole rehabilitation.	DeKalb County Water / Wastewater Revenue	Ongoing	1996	Very
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.	DeKalb County Water / Wastewater Revenue	Ongoing	2001	To Be Determined
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.	DeKalb County Board of Health	Enforced	June 30, 1980	Moderate
NPDES Phase I Permit GAS000100	City of Atlanta	MS4 Permit: The State of GA has issued the City of Atlanta with a permit to operate the City's Municipal Separate Storm Sewer System (MS4). Major aspects of the permit include public education, illicit discharge detection and elimination, source identification activities, water sampling and reporting.		Enforced	6/15/1994	Very
City of Atlanta Stormwater Management Ordinance	City of Atlanta	Ordinance to address stormwater management and nonpoint source pollution		Enforced	1993	Very
Illicit Discharge Ordinance	City of Atlanta	Ordinance to address illicit discharge and illegal dumping into the MS4 system.		Enforced	1996	Very
Erosion and Sedimentation Control Ordinance	City of Atlanta	Ordinance to address erosion and sedimentation occurring at constructions site that limits sediment from entering the sewer system.		Enforced	1996	Very
Riparian Buffer Protection Ordinance	City of Atlanta	Ordinance that protects 75 feet from the top of bank on a perennial and intermittent stream.		Enforced	1999	Very
Floodplain Protection Ordinance	City of Atlanta	Ordinance that protects floodplains in the City from being developed.		Enforced	1985	Very
Sanitary Sewer Evaluation System	City of Atlanta	Inspection program evaluates the condition of every manhole and pipe (smoke test, tv, and radar). Assessing easements for problems		In progress	1998	Very

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CMOM Program	City of Atlanta	The required CMOM (Capacity Management, Operations & Maintenance) program includes the following: Collection and Transmission Systems Contingency and Emergency Response Plan; Short-Term Operation Plan; Maintenance Management System Plan; Pump Station Evaluations; Grease Management Program; Sewer Mapping Program; Safety Program; Training Program; Capacity Certification Program; and Long-Term Operation Plan.		In progress	1999	Moderate
Grease Trap Inspection Program	City of Atlanta	Inspection of grease traps		In progress	1999	Very
BMP Program	City of Atlanta	Through development ordinance ensures that BMPs are properly selected and maintained for non point source pollution prevention.		Enforced	1995	Very
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	As a part of this watershed management plan MS4 Phase I and Phase II communities will be required to adopt the following ordinances: Post Development Storm Water Management for New Development and Redevelopment, Illicit Discharge and Illegal Connection, and Stream Buffer Protection. As well as establishing municipal Good Housekeeping Practices.	Local Funds	Ongoing	2004 & 2005	Very
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local wastewater systems will implement a policy on private wastewater systems, develop interim decentralized system plans with concept of merging into larger systems, a grease management program, and numerous sewer system programs (mapping, maintenance programs, Rehab identification and construction program and capacity certification program).	Local Funds	Ongoing	2005	Very

VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

Table 6. MONITORING PLAN

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	
FC	Georgia EPD, Water Protection Branch or local government	Recommended	2004	2005	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia
FC	DeKalb County Water & Sewer Division	Current	2001	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1992	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1970	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Proposed	2003	Ongoing	Stream Surveys - Quarterly stream walks to identify potential illicit discharges, areas of degradation, and other potential water quality problems.

VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities, which will be conducted to support this plan and the implementation of it.

Table 7. PLANNED OUTREACH

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
DeKalb County Roads & Drainage Division	Storm drain stenciling program	General public (residential /commercial/industrial)	Ongoing (1999)
DeKalb County Roads & Drainage Division	Educational brochures	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: http://dklbweb.dekalbga.org/watersewer	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	Middle school students	Ongoing (2003)
City of Atlanta	Stenciling program	General Public	Ongoing
City of Atlanta	Utility bill inserts	General Public	Ongoing
City of Atlanta	Great American Cleanup	General Public	Ongoing
City of Atlanta	Clean Water Campaign	General Public	Ongoing
City of Atlanta	Community watershed workshops	General Public	Ongoing
City of Atlanta	Stream clean ups	General Public	Ongoing (1998)
City of Atlanta	Adopt-A-Stream	General Public	Ongoing
City of Atlanta	Citizens participation program	General Public	Ongoing
City of Atlanta	Project WET	General Public	Ongoing
City of Atlanta	Website: www.cleanwateratlanta.org	General Public	Ongoing
City of Atlanta	Website: www.atlantapublicworks.org	General Public	Ongoing
City of Atlanta	Programming on City Channel 26	General Public	Ongoing
City of Atlanta	Neighborhood Planning Unit presentations	General Public	Ongoing
Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local Governments will participate in a regional public education program such as the Clean Water Campaign, or establish its own program. The program must address water quality issues and the promotion of water conservation.	General Public	2004

IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

- Accomplishment of management practices or activities - outreach activities
- Installation of BMPs

to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

Table 8. MILESTONES

MANAGEMENT MEASURE	RESPONSIBLE ORGANIZATIONS	STATUS		COMMENT
		PROPOSED	INSTALLED	
Phase I MS4 Municipal Stormwater Permit	DeKalb County	1997	Ongoing	Annual Reports submitted to EPD

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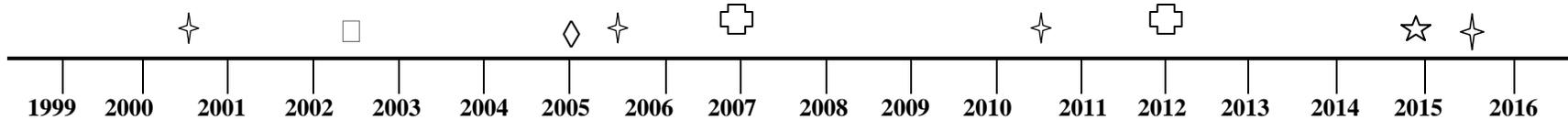
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Inspections of Industrial / commercial sites for spill prevention and control
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Outfall screenings for illicit connections
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	2000	Ongoing	Implementation of Storm Water Management Design Manual to provide BMPs for development sites
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2002	Ongoing	Passage of ordinance modifications
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Implementation of conservation zoning
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Increase level of site inspections for compliance with erosion and sediment control requirements
Point Source Pollution Control	DeKalb County Water & Sewer	2005	2010	Projects initiated and/or completed for design and construction
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1999	Ongoing	Number of inspections completed;
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1996	Ongoing	Miles of sewer line mapped and cleaned
Restoration and Retrofit Programs	DeKalb County government	2001	Ongoing	Number of projects or linear feet of prairie grass planted;
Restoration and Retrofit Programs	DeKalb County government	2005	Ongoing	Number of projects identified through feasibility studies, and then designed and constructed
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	1980	Ongoing	Continue the process of reviewing the installation of septic systems as a part of the development review process
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	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.
NPDES Phase I Permit GAS000100	City of Atlanta	6/95	Ongoing	Refer to Annual Report to GA EPD
City of Atlanta Stormwater Management Ordinance	City of Atlanta	1993	Ongoing	Plan review and field inspections (Inspections are performed on all construction activities within the City of Atlanta through the issuance of a building permit)
Illicit Discharge Ordinance	City of Atlanta	1996	Ongoing	Illicit discharge investigations (inspection forms are included in annual NPDES report)
Erosion and Sedimentation Control Ordinance	City of Atlanta	1996	Ongoing	Erosion and sedimentation investigations (inspection forms and violations are filed and recorded electronically within the Department of Watershed Management)
Riparian Buffer Protection Ordinance	City of Atlanta	1999	Ongoing	Riparian buffer investigations and variances (Variance applications are filed and kept on record by the Department of Planning and Watershed Management)
Floodplain Protection Ordinance	City of Atlanta	1985	Ongoing	Floodplain determinates and permits
Sanitary Sewer Evaluation System	City of Atlanta	1998	2010	Inspections (Investigations are recorded by city and field reports; they are recorded by the Department of Watershed Management under guise of the consent decree)
CMOM Program	City of Atlanta	1999	Ongoing	Inspections and maintenance
Grease Trap Inspection Program	City of Atlanta	1999	Ongoing	Inspections and permits (Inspection forms and corrective action requests are filed and recorded by the Department of Watershed Management)
BMP Program	City of Atlanta	1995	Ongoing	Plan review and field inspection

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District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2004 & 2005	Refer to the District-wide Watershed Management Plan
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2005	Refer to the Long-Term Wastewater Management Plan

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 Georgia EPD.



- Scheduled EPD basin Group Monitoring ✦
- TMDL Completed □
- TMDL Implementation Plan Accepted ◇
- Evaluation of implementation plan/water quality improvement ⊕
- Project Attainment ☆

Prepared By:	Matt Harper		
Agency:	Atlanta Regional Commission		
Address:	40 Courtland Street, NE		
City:	Atlanta	ST: GA	ZIP: 30303
E-mail:	mharper@atlantaregional.com		
Date Submitted to EPD:	August 30, 2004	Revision:	#1

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APPENDIX A
STAKEHOLDERS

List the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
Anne Marie Hoffman	1037 Colquitt Avenue, #12	Atlanta	GA		404-588-9980	
Glen Behrend	1771 Defoor Avenue, Unit F	Atlanta	GA	30318	404-603-9960	gbehrend@att.net
Graham Anthony	9575 Marsh Cove Court	Atlanta	GA	30350	770-643-8286	gha2@mac.com
JP Bertulfo	3504 Sexton Woods Dr	ATLANTA	GA	30341	206-309-0864	JBERTULF@HSC.USF.EDU
Ken Johnson	457 Overbrook Drive, NW	Atlanta	GA	30318	404-351-4652	
Nancy Rinzler	225 Northland Ridge Trail	Atlanta	GA	30342	404 255 8081	nancyrinzler@earthlink.net
Andrea Pinabell / Stormwater Management Inc.	430 Lindbergh Drive #F3	Atlanta	GA	30305	404-846-5785	andreap@stormwaterinc.com
Ben R. Jordan / The Coca-Cola Company	P.O. Box 1734	Atlanta	GA	30301		bjordan@na.ko.com
Bruce W. Thurlby / Archaea Solutions, Inc.	100 Lloyd Avenue, Suite D	Tyrone	GA	30290	770-487-5303	bruce.thurlby@archaseasolutions.com
Bryan Barrett / USDA	355 East Hancock Ave	Athens	GA	30601	706-546-2039	bryan.barrett@ga.usda.gov
Buddy Belflower / USDA/NRCS	734 Crescent Dr	Gainesville	GA	30501	770-536-6981	buddy.belflower@ga.usda.gov
Chad Knudsen / Ecological Solutions					770-998-7848	chadknudsen@ecologicalsolutions.net
Chrissy Marlowe / GA DCA	225 West Broad St.	Athens	GA	30601	706-425-3077	cmarlowe@dca.state.ga.us
Chuck Budinger / Corporate Env. Risk Management	2116 Monroe Drive, Suite 110	Atlanta	GA	30324	678-999-0173	cbudinger@cerm.com
David Smith	740 Hunterhill Court	Roswell	GA	30075	770-641-3096	davidsmith@ecologicalsolutions.net
David Smith / Ecological Solutions	630 Colonial Park Drive, Suite 200	Roswell	GA	30075	770-998-7848	davidsmith@ecologicalsolutions.net
Duncan Cottrell / Adopt-A-Stream Coordinator / Upper Etowah River Alliance					770-735-2778	duncancottrell@yahoo.com
Geneva Nelson / Foundation for Global Community	899 Chippendale Lane	Norcross	GA	30093	770-564-2730	genevaan@yahoo.com
Jason Barringer	2446 Fallview Terrace	East Point	GA	30344		forrain2@hotmail.com
Kevin Johnson / The Trust for Public Land	1447 Peachtree Street Suite 601	Atlanta	GA	30309	404.873.7306	kevin.johnson@tpl.org
Kimberly Ajj / Jordan Jones and Goulding	6801 Governors Lake Parkway	Norcross	GA	30071	6783330232	kajj@jjg.com
Linda MacGregor / McKenzie	3455 Lawrenceville Suwanee	Suwanee	GA	30024	678-546-9450	lmacgregor@mckmacg.com

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MacGregor Incorporated	Road, Suite A					
Max Walker	941 Pine Roc Drive	Stone Mountain	GA	30083	770/469/4786	MAXWALKER@mindspring.com
Rose Mary Seymour / UGA - Griffin Campus	1109 Experiment St	Griffin	GA	30223	770 229-3214	rseymour@griffin.uga.edu
Robert Schreiber	515 Claire Drive	Atlanta	GA	30307	404-373-1947	robertsschreiber@msn.com
Allison Cohen / Emory University	Emory University	Atlanta	GA	30322		
Dieter Franz	3653 N. Stratford Road				404-261-8697	cdf Franz@comcast.net
Janie Dewald Bailey	60 North River Road	McDonough	GA	30252-8711		JPDBailey@juno.com
Steve Boudreaux	P.O. Box 36	Pine Lake	GA	30072		steveboudreaux@yahoo.com
Alice Champagne / Upper Chattahoochee Riverkeeper	916 Joseph Lowery Blvd	Atlanta	GA	30318	404-352-9828	achampagne@ucriverkeeper.org

APPENDIX B
UPDATES TO THIS PLAN

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.

Nancy Creek

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
Nancy Creek	Headwaters to Peachtree Creek, Atlanta (DeKalb/Fulton Co.)	16 miles	Fishing	NS

III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	Urban Runoff (UR)	84%

IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
- Field surveys
- Review of land cover data
- Evaluation of sources

A meeting was held in March 2004 with local city and county staff to review the TMDL segment and discuss potential sources of pollution. In May 2004 public meetings were held to solicit general stakeholder involvement. Large presentation size maps using 2003 aerial imagery were developed for the public meetings as a tool to help locate sources. The stakeholders were asked for their input on any potential sources of pollution in the area. In addition to reviewing aerial imagery ARC staff will review the most recent landuse data available (year 2001) for the area and will be updating the watershed description found in the TMDLs. This process involved first verifying that the correct watershed was used in the development of the TMDL. ARC staff has updated watershed delineations and will provide the updated watershed boundaries to GA EPD.

In addition to the efforts stated above DeKalb County as a part of their Compliance and Infrastructure Program routinely performs inspections of aerial and buried sewer line crossings. DeKalb County also performs routine walks of sewer outfalls, 12 inches or greater, along creeks banks for I/I related problems.

In addition to the efforts stated above the City of Atlanta has chosen to include the sections listed below as a part of the City’s greenway acquisition program (inside the City of Atlanta limits). All stream segments that the City acquires will be walked annually and some maintenance will be performed as needed.

Priority 1 Stream segments

Stream	Begin	End
Nancy Creek	0.1 mi. downstream of Tilly Mill Rd	I-285 crossing
Nancy Creek	Murphey Candler Park	Marist School
Nancy Creek	I-75	Peachtree confluence

Priority 2 Stream segments

Nancy Creek		I-75
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To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The *SOURCES SHOULD BE RANKED*** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed effected, the stream miles effected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Fecal Coliform	Urban Runoff	Entire Reach	Moderate	Nonpoint source / stormwater runoff
Fecal Coliform	SSOs	Sporadically throughout the segment	Moderate	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures
Fecal Coliform	Septic tank systems	Sporadically throughout the segment	Moderate	Leaking / runoff from failing septic tank systems, including faulty drain fields
Fecal Coliform	Animal wastes	Entire Reach	Small	Nonpoint source - pets and wildlife
Fecal Coliform	Illicit connections	Limited	Negligible	Improper connections of sanitary sewer flows to the storm drain system

V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities, which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

As a first step an initial meeting was held in March 2004 with local government agencies to determine possible sources of pollution as well as any preventative / corrective measures in place or planned for the area. The local government agencies in the advisory group for this segment are listed in Table 4.

The most important part of developing these implementation plans is locating stakeholders in this area. ARC staff searched for stakeholders listed on existing mailing lists (Home Owner Associations, Adopt-A-Stream, Watershed Alliance groups, etc.) to invite to the public meetings. The staff also gathered tax assessment information on landowners who owned more than 50 acres in the county. These stakeholders were considered large landowners and included public, private, and commercial types of property. Businesses listed on EPA's Enforcement & Compliance History Online (ECHO) website (www.epa.gov/echo) that were located in the area were also invited to the public meetings. A list of elected officials, chambers of commerce, parks & recreation departments, NRCS, GA Soil & Water Conservation Commission, and National Park Service representatives were also invited to the public meetings. ARC staff also included schools, libraries, and large apartment complexes in the public meeting mailing list.

The next outreach activity was to develop a website for this project (www.atlantaregional.com/cleanerstreams). The website provided a variety of information and access opportunities for the TMDL Implementation Plan process. The website identified the local government participants, provided a list and map of the TMDL stream segments. The TMDL documents, the 303(d) list and other background information was available on this website. An online sign-up and feed-back form was included on the website so that people could sign up to be a stakeholder. These stakeholder names and other stakeholders can be found in Appendix A. In an effort to provide further detailed information on the TMDL stream segments and their watersheds, an interactive GIS map was developed as a part of the website. This interactive mapping technology allows individuals to zoom in to the area they are interested in and print out maps. The website also included access to a 10-minute video and slide presentation that explains the implementation plan development process and provides online feedback thus creating a virtual stakeholder public meeting and involvement process. This video resource was made available from May 3, 2004 to August 3, 2004. During this three month period a total of 129 visitors accessed the virtual public meeting. It was confirmed that public libraries in the area have high speed internet access and that the virtual public meeting could be viewed on computers at any public library in the metro Atlanta area.

The next step in this process involved holding 4 initial public meetings in May 2004 to educate stakeholders about this process and solicit input. A total of 43 persons attended the public meetings.

Methods used to inform the general public about the implementation plan development process and the public meetings include: having major environmental groups send out meeting notices in their electronic newsletters, distributing press releases, purchasing newspaper advertising space, sending out numerous e-mails announcing the initial meetings and finally mailing out 3500 meeting announcements to local groups (home owner associations, watershed alliances, etc.), businesses, large landowners, elected officials, Chambers of Commerce, Parks & Recreation Departments, NRCS, and the National Park Service.

After input had been received from our local government advisory group and stakeholders a draft implementation plan was developed. This draft document was made available to all stakeholders for discussion and input at the 4 public meetings held in June 2004. A total of 37 persons attended the public meetings.

List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

Table 4. COMMITTEE MEMBERS

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
Georgia Soil and Water Conservation Commission	1500 Klondike Road Suite A109	Conyers	GA	30094	770-761-3020	kshahlaee@gaswcc.org
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works	1580 Roadhaven Drive	Stone Mountain	GA	30083		
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
DeKalb County Health Department	PO Box 987	Decatur	GA	30031		
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	steve.leo@gwinnettcountry.com
Gwinnett County Board of Health	240 Oak Street	Lawrenceville	GA	30045-5012	(770) 963-5132	jfcurlee@chr.state.ga.us
NRCS (Marietta, GA Office)	678 South Cobb Drive, Suite 150	Marietta	GA	30060	770-792-0647	
City of Atlanta Office of the Mayor	55 Trinity Avenue Suite 2400	Atlanta	GA	30303	404-330-6100	sfranklin@atlantaga.gov
City of Atlanta Department of Watershed Management	55 Trinity Avenue Suite 5400	Atlanta	GA	30303	404-330-6081	rhunter@atlantaga.gov
City of Atlanta Department of Planning, Atlanta Planning & Advisory Board	55 Trinity Avenue, Suite 1450	Atlanta	GA	30303		
City of Chamblee	5468 Peachtree Road	Chamblee	GA	30341		
Fulton County Public Works (Nick Ammons)	141 Pryor St., S.W., Suite 6001	Atlanta	GA	30303	404-730-7589	
Fulton County Environmental Health Department (Pearl Gordon)	99 Jessie Hill Jr., Dr., Room 101	Atlanta	GA	30303	404-730-1308	
Fulton County Cooperative Extension Service	141 Pryor St., Suite 1031	Atlanta	GA	30303	404-730-7000	
Metropolitan North Georgia Water Planning District	40 Courtland Street, NE	Atlanta	GA	30303	404-463-3260	
City of Doraville	3725 Park Ave	Doraville	GA	30340		

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

Table 5. MANAGEMENT MEASURES AND ACTIVITIES

MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/ IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
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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.	DeKalb County Water / Wastewater Revenue	In-Progress	09/1997	Moderate
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	Storm Water Revenue	In-progress	1998	Very
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) and manhole rehabilitation.	DeKalb County Water / Wastewater Revenue	Ongoing	1996	Very
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.	DeKalb County Water / Wastewater Revenue	Ongoing	2001	To Be Determined
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.	DeKalb County Board of Health	Enforced	June 30, 1980	Moderate
Gwinnett County Storm Water Management Ordinance	Gwinnett County	Ordinance to address non-point source pollution		Enforced	9/1996	Moderate
Gwinnett County Development Regulations	Gwinnett County	Regulations modified to include water quality and quantity requirements in response to county's Watershed Protection Plan		Enforced	1/2001	Moderate
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.		In-progress	November 2001	Moderate
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.		In-progress	6-15-1994	Moderate
Best Management Practices(BMP) Inspections	Gwinnett County	Inspection of water quality and quantity BMP's to insure they are properly maintained.		In-progress	4/99	Moderate
Watershed Protection Plan	Gwinnett County	Assessment of watersheds and suggested protection measures		In-progress	5/2000	Moderate

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Watershed Master Planning	Gwinnett County	Develop Capital Improvement Plans (CIP) for watersheds		In-progress	10/2000	Moderate
Sanitary Sewer Evaluation System	Gwinnett County DPU	Inspection program evaluates condition of manholes, and pipes (smoke test and TV). Walking easements looking for problems.		In-Progress	1987	Very
Grease Trap Inspection Program	Gwinnett County DPU	Inspection of grease traps		In-progress	6/1999	Very
Pilot Septic System Repair Subsidy Program	Gwinnett County, USDA - NRCS, Gwinnett County Environmental Health	The responsible parties are currently investigating the possibility of establishing a pilot program to subsidize the repair of failing septic systems. Implementation of this pilot program would only begin following the approval by EPD of a 319 grant proposal.	319 Grant funding being pursued. If grant approved, grant would be matched by Gwinnett County, Gwinnett Environmental Health and NRCS	Pilot Program being investigated	No. Would only be implemented upon receipt of 319 grant funding.	Unknown
NPDES Phase I Permit GAS000100	City of Atlanta	MS4 Permit: The State of GA has issued the City of Atlanta with a permit to operate the City's Municipal Separate Storm Sewer System (MS4). Major aspects of the permit include public education, illicit discharge detection and elimination, source identification activities, water sampling and reporting.		Enforced	6/15/1994	Very
City of Atlanta Stormwater Management Ordinance	City of Atlanta	Ordinance to address stormwater management and nonpoint source pollution		Enforced	1993	Very
Illicit Discharge Ordinance	City of Atlanta	Ordinance to address illicit discharge and illegal dumping into the MS4 system.		Enforced	1996	Very
Erosion and Sedimentation Control Ordinance	City of Atlanta	Ordinance to address erosion and sedimentation occurring at constructions site that limits sediment from entering the sewer system.		Enforced	1996	Very
Riparian Buffer Protection Ordinance	City of Atlanta	Ordinance that protects 75 feet from the top of bank on a perennial and intermittent stream.		Enforced	1999	Very
Floodplain Protection Ordinance	City of Atlanta	Ordinance that protects floodplains in the City from being developed.		Enforced	1985	Very
Sanitary Sewer Evaluation System	City of Atlanta	Inspection program evaluates the condition of every manhole and pipe (smoke test, tv, and radar). Assessing easements for problems		In progress	1998	Very

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CMOM Program	City of Atlanta	The required CMOM (Capacity Management, Operations & Maintenance) program includes the following: Collection and Transmission Systems Contingency and Emergency Response Plan; Short-Term Operation Plan; Maintenance Management System Plan; Pump Station Evaluations; Grease Management Program; Sewer Mapping Program; Safety Program; Training Program; Capacity Certification Program; and Long-Term Operation Plan.		In progress	1999	Moderate
Grease Trap Inspection Program	City of Atlanta	Inspection of grease traps		In progress	1999	Very
BMP Program	City of Atlanta	Through development ordinance ensures that BMPs are properly selected and maintained for non point source pollution prevention.		Enforced	1995	Very
Street Sweeping Program	City of Chamblee	Year round street sweeping program that covers the town approximately once a month. This includes sweeping all streets, and storm drains.	City General Fund	Ongoing	2002 (Enacted)	Moderate
CMOM Program	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County Water & Sewer Revenue Fund	In Development	2005	Very
Emergency Sanitary Sewer Evaluation Study (ESSES)	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County Water & Sewer Revenue Fund	Completed in 2001	Completed in 2001	Moderate
Interim Collection System Master Plan	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County Water & Sewer Revenue Fund	Completed in 2002	Completed in 2002	Moderate
Survey of Sanitary Sewer	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County Water & Sewer Revenue Fund	Begin in 2003	2003	Moderate
Sanitary Sewer Modeling	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County Water & Sewer Revenue Fund	Planned for 2005	2005	Very

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Flow Monitoring	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County Water & Sewer Revenue Fund	Ongoing	1988	Very
Improvements in Wastewater Treatment	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County Water & Sewer Revenue Fund	Ongoing	1912	Very
Database and Tracking of Un-sewered Areas	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County Water & Sewer Revenue Fund	Ongoing	2005	Moderate
Permitting of Septic Systems	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County General Fund	Ongoing	1952	Moderate
Educational Efforts (Pet Waste)	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County General Fund	Ongoing	1998	Weak
Providing sewer service to Developed Areas by 2030	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County Water & Sewer Revenue Fund	Ongoing	1990	Moderate
Improving Waste Receptacles	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Fulton County General Fund	Ongoing	2003	Weak
Reduction in agricultural land use through conversion to developed property	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Private Development	Ongoing	1808	Moderate
Reduction in habitat through development	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)	Private Development	Ongoing	1808	Moderate

IAW O.C.G.A. 290-5-26	Fulton County Environmental Health Department	Rules and regulations for installation and repair of on-site sewage management systems.	Fulton County General Fund	Enforced	June 30, 1980	Moderate
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	As a part of this watershed management plan MS4 Phase I and Phase II communities will be required to adopt the following ordinances: Post Development Storm Water Management for New Development and Redevelopment, Illicit Discharge and Illegal Connection, and Stream Buffer Protection. As well as establishing municipal Good Housekeeping Practices.	Local Funds	Ongoing	2004 & 2005	Very
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local wastewater systems will implement a policy on private wastewater systems, develop interim decentralized system plans with concept of merging into larger systems, a grease management program, and numerous sewer system programs (mapping, maintenance programs, Rehab identification and construction program and capacity certification program).	Local Funds	Ongoing	2005	Very

VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

Table 6. MONITORING PLAN

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	

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FC	Georgia EPD, Water Protection Branch or local government	Recommended	2004	2005	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia
FC	DeKalb County Water & Sewer Division	Current	2001	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1992	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1970	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Proposed	2003	Ongoing	Stream Surveys - Quarterly stream walks to identify potential illicit discharges, areas of degradation, and other potential water quality problems.
FC	Gwinnett County	Current	9/1996	Ongoing	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.
FC	Gwinnett County	Proposed	6/2003		Fecal Coliform Monitoring Program. Monitoring under this program is completed in accordance with an EPD approved Sampling and Quality Assurance Plan.
FC	City of Atlanta Long-term Water Quality Monitoring Program with USGS	Current	2002	Ongoing	The purpose is to collect data needed to assess stream improvements and any pollution reduction that can be attributed to the Clean Water Atlanta (CWA) program.
FC	City of Atlanta	Current	1995	Ongoing	NPDES MS4 Program Dry weather screening
FC	City of Atlanta	Current	1995	Ongoing	NPDES MS4 Program Fecal Coliform Monitoring
FC	City of Atlanta	Current	1995	Ongoing	Industrial Pretreatment Program
Fecal Coliform	Fulton County	Current	2001		Refer to Fulton County Watershed Protection Plan (June 2002)

VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities, which will be conducted to support this plan and the implementation of it.

Table 7. PLANNED OUTREACH

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
DeKalb County Roads & Drainage Division	Storm drain stenciling program	General public (residential /commercial/industrial)	Ongoing (1999)
DeKalb County Roads & Drainage Division	Educational brochures	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: http://dklbweb.dekalbga.org/watersewer	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	Middle school students	Ongoing (2003)
Unincorporated Gwinnett County	Stenciling Program	General Public	On going (Enacted: 9/98)
Unincorporated Gwinnett County	Utility bill inserts	General Public	On going (Enacted: 9/98)
Unincorporated Gwinnett County	Pet Waste Brochure	General Public	On going (Enacted: 10/00)
Unincorporated Gwinnett County	Pet Waste Sign Program in Parks	General Public	On going (Enacted: 2/03)
Unincorporated Gwinnett County	Adopt A Stream	General Public	On going (Enacted: 7/91)
Unincorporated Gwinnett County	Septic Tank Maintenance Folder	General Public	On going (Enacted: 12/02)
Unincorporated Gwinnett County	Educational School Activities	School age students	On going (Enacted: 9/94)
Unincorporated Gwinnett County	Menu for a Cleaner Environment	Restaurants	On going (Enacted: 11/98)
Unincorporated Gwinnett County	Septic Tank Workshop	General Public	2/03
Unincorporated Gwinnett County	Watershed Festival	General Public	10/01
Unincorporated Gwinnett County	Clean Water Campaign	General Public	On going (Enacted: 1/00)

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Unincorporated Gwinnett County	Gwinnett County Storm Water Website www.gwinnettstormwater.com	General Public, Professional and Industry	On going (Enacted: 8/02)
Unincorporated Gwinnett County, NRCS, Gwinnett County Environmental Health	Pilot Septic System Repair Subsidy Program based on 319 Grant from EPD. Outreach activities not yet determined.	To be determined.	Unknown
City of Atlanta	Stenciling program	General Public	Ongoing
City of Atlanta	Utility bill inserts	General Public	Ongoing
City of Atlanta	Great American Cleanup	General Public	Ongoing
City of Atlanta	Clean Water Campaign	General Public	Ongoing
City of Atlanta	Community watershed workshops	General Public	Ongoing
City of Atlanta	Stream clean ups	General Public	Ongoing (1998)
City of Atlanta	Adopt-A-Stream	General Public	Ongoing
City of Atlanta	Citizens participation program	General Public	Ongoing
City of Atlanta	Project WET	General Public	Ongoing
City of Atlanta	Website: www.cleanwateratlanta.org	General Public	Ongoing
City of Atlanta	Website: www.atlantapublicworks.org	General Public	Ongoing
City of Chamblee	Distribute Education Stormwater Flyers	City Residents	2002 (Enacted)
City of Chamblee	Storm Drain Stenciling	General Public	1997 (Enacted)
Fulton County	Stenciling program	General Public	Ongoing
Fulton County	Utility bill inserts	General Public	Ongoing
Fulton County	Clean Water Campaign	General Public	Ongoing
Fulton County	Community watershed workshops	General Public	Ongoing
Fulton County	Stream clean ups	General Public	Ongoing
Fulton County	Adopt-A-Stream	General Public	Ongoing
Fulton County	Citizens participation program	General Public	Ongoing
Fulton County	Develop & submit print ads/public service announcements/press releases.	General Public	Ongoing
Fulton County	Develop & distribute educational packets to new septic tank permit applicants.	General Public	Ongoing
Fulton County	Conduct workshops at community meetings, reaching homeowners.	General Public	Ongoing
Fulton County	Conduct classroom demonstrations, reaching students.	General Public	Ongoing
Fulton County	Conduct dye testing on septic tanks.	General Public	Ongoing
Fulton County	Perform Fecal Coliform analysis in conjunction with above dye tests and analyze results.	General Public	Ongoing
Fulton County	Copies of <i>The Septic System Owner's Manual</i> by Lloyd Kahn, Blair Allen, & Julie Jones will be placed in every Fulton County Library and will be available for checkout by the general public.	General Public	Ongoing
Fulton County	Grease Abatement Education	Restaurant Operators	Ongoing
Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local Governments will participate in a regional public education program such as the Clean Water Campaign, or establish its own program. The program must address water quality issues and the promotion of water conservation.	General Public	2004
City of Doraville	Storm Drain Stenciling	General Public	2003 (started)

City of Doraville	Providing Educational Stormwater Flyers (available at City Hall)	General Public / Business Community	2002 (started)
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IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

- Accomplishment of management practices or activities - outreach activities
- Installation of BMPs

to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

Table 8. MILESTONES

MANAGEMENT MEASURE	RESPONSIBLE ORGANIZATIONS	STATUS		COMMENT
		PROPOSED	INSTALLED	
Phase I MS4 Municipal Stormwater Permit	DeKalb County	1997	Ongoing	Annual Reports submitted to EPD

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DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Inspections of Industrial / commercial sites for spill prevention and control
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Outfall screenings for illicit connections
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	2000	Ongoing	Implementation of Storm Water Management Design Manual to provide BMPs for development sites
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2002	Ongoing	Passage of ordinance modifications
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Implementation of conservation zoning
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Increase level of site inspections for compliance with erosion and sediment control requirements
Point Source Pollution Control	DeKalb County Water & Sewer	2005	2010	Projects initiated and/or completed for design and construction
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1999	Ongoing	Number of inspections completed;
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1996	Ongoing	Miles of sewer line mapped and cleaned
Restoration and Retrofit Programs	DeKalb County government	2001	Ongoing	Number of projects or linear feet of prairie grass planted;
Restoration and Retrofit Programs	DeKalb County government	2005	Ongoing	Number of projects identified through feasibility studies, and then designed and constructed
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	1980	Ongoing	Continue the process of reviewing the installation of septic systems as a part of the development review process
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	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.
Gwinnett County Storm Water Management Ordinance	Gwinnett County	9/96	On-going	Industrial inspections and illicit discharge investigations
Gwinnett County Development Regulations	Gwinnett County	11/97	1/2001	Water quality requirements added in Big Haynes Basin
Gwinnett County Development Regulations	Gwinnett County	4/1999	1/2001	Increase requirements for water quality and quantity, along with channel protection requirements
Gwinnett County Development Regulations	Gwinnett County	1/2001	Ongoing	Water Quality requirements changed County wide
Septic to Sewer Transition Program	Gwinnett County Department of Public Utilities	11/01	On-going	Passed by Gwinnett County Board of Commissioners. Citizen petitions currently being processed as they are received.
Phase I – MS4 Permit	Gwinnett County Department of Public Utilities	6-15-1994	On-going	Annual reports submitted by anniversary date of permit each year: June 15.
Best Management Practices(BMP) Inspections	Gwinnett County	2000	On going	Require maintenance agreements and 18 month maintenance bond at the time of construction
Best Management Practices(BMP) Inspections	Gwinnett County	2002	On going	Annual Field Inspections
Watershed Protection Plan	Gwinnett County	5/1998	5/2000	Passed Gwinnett County Board of Commissioner and Approved by the EDP

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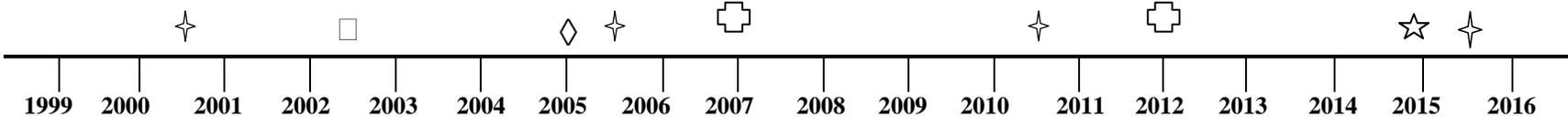
Watershed Master Planning	Gwinnett County	10/2000	On-going	Master Planning – 1 basin on average per year
Sanitary Sewer Evaluation System	Gwinnett County DPU	1987	On-going	Inspection Program
Grease Trap Inspection Program	Gwinnett County DPU	7/1999	On-going	Inspections
Pilot Septic System Repair Subsidy Program	Gwinnett County, NRCS, Gwinnett County Environmental Health	Under consideration	Not yet commenced	This program is currently under consideration and will not be implemented without the receipt of 319 grant funding.
Consent Decree (Atlanta Clear Creek CSO)	EPA/EPD/City of Atlanta			Refer to Permit GA0037133
Consent Decree (Atlanta Tanyard Creek CSO)	EPA/EPD/City of Atlanta			Refer to Permit GA0037133
Consent Decree (Atlanta North Avenue CSO)	EPA/EPD/City of Atlanta			Refer to Permit GA0037133
Consent Decree (Atlanta Greensferry CSO)	EPA/EPD/City of Atlanta			Refer to Permit GA0037133
Senate Bill 500	EPA/EPD/City of Atlanta			Refer to Permit GA0024040
NPDES Phase I Permit GAS000100	City of Atlanta	6/95	Ongoing	Refer to Annual Report to GA EPD
City of Atlanta Stormwater Management Ordinance	City of Atlanta	1993	Ongoing	Plan review and field inspections (Inspections are performed on all construction activities within the City of Atlanta through the issuance of a building permit)
Illicit Discharge Ordinance	City of Atlanta	1996	Ongoing	Illicit discharge investigations (inspection forms are included in annual NPDES report)
Erosion and Sedimentation Control Ordinance	City of Atlanta	1996	Ongoing	Erosion and sedimentation investigations (inspection forms and violations are filed and recorded electronically within the Department of Watershed Management)
Riparian Buffer Protection Ordinance	City of Atlanta	1999	Ongoing	Riparian buffer investigations and variances (Variance applications are filed and kept on record by the Department of Planning and Watershed Management)
Floodplain Protection Ordinance	City of Atlanta	1985	Ongoing	Floodplain determinates and permits
Sanitary Sewer Evaluation System	City of Atlanta	1998	2010	Inspections (Investigations are recorded by city and field reports; they are recorded by the Department of Watershed Management under guise of the consent decree)
Elimination of Greensferry CSO	City of Atlanta	1999	2007	Removal of the CSO facility
Elimination of Greensferry CSO	City of Atlanta	1995	Ongoing	Ongoing public involvement
Construction of West Area CSO Tunnel	City of Atlanta	2004	2007	Tunnel construction
New 85 mgd Dewatering Pump Station	City of Atlanta	2005	2007	Construction of a pump station
New 85 mgd dedicated CSO treatment plant	City of Atlanta	2005	2007	Construction of a dedicated CSO treatment plant
Dechlorination of CSO facilities	City of Atlanta	2005	2007	Retrofit of CSO facilities
CMOM Program	City of Atlanta	1999	Ongoing	Inspections and maintenance
Grease Trap Inspection Program	City of Atlanta	1999	Ongoing	Inspections and permits (Inspection forms and corrective action requests are filed and recorded by the Department of Watershed Management)
BMP Program	City of Atlanta	1995	Ongoing	Plan review and field inspection
Street Sweeping Program	City of Chamblee		2002 (Enacted)	In 2002 the city ran the program for 1280 man hours and for 450 hours in 2003. Year round street sweeping program that covers the town approximately once a month.

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Distribute Education Stormwater Flyers	City of Chamblee		2002 (Enacted)	Efforts were made to speak with all residents and business owners about the importance of not polluting the storm water system.
Storm Drain Stenciling	City of Chamblee		1997 (Enacted)	All city storm drains in residential neighborhoods were stenciled in 1997. The stencils will be reapplied as necessary.
CMOM Program	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Emergency Sanitary Sewer Evaluation Study (ESSES)	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Interim Collection System Master Plan	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Survey of Sanitary Sewer	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Sanitary Sewer Modeling	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Flow Monitoring	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Improvements in Wastewater Treatment	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Database and Tracking of Un-sewered Areas	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Permitting of Septic Systems	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Educational Efforts (Pet Waste)	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Providing sewer service to Developed Areas by 2030	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Improving Waste Receptacles	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Reduction in agricultural land use through conversion to developed property	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Reduction in habitat through development	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2004 & 2005	Refer to the District-wide Watershed Management Plan
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2005	Refer to the Long-Term Wastewater Management Plan

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 Georgia EPD.



- Scheduled EPD basin Group Monitoring ✦
- TMDL Completed □
- TMDL Implementation Plan Accepted ◇
- Evaluation of implementation plan/water quality improvement ⊕
- Project Attainment ☆

Prepared By:	Matt Harper		
Agency:	Atlanta Regional Commission		
Address:	40 Courtland Street, NE		
City:	Atlanta	ST:	GA ZIP: 30303
E-mail:	mharper@atlantaregional.com		
Date Submitted to EPD:	August 30, 2004	Revision:	#1

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APPENDIX A
STAKEHOLDERS

List the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
Anne Marie Hoffman	1037 Colquitt Avenue, #12	Atlanta	GA		404-588-9980	
Glen Behrend	1771 Defoor Avenue, Unit F	Atlanta	GA	30318	404-603-9960	gbehrend@att.net
Graham Anthony	9575 Marsh Cove Court	Atlanta	GA	30350	770-643-8286	gha2@mac.com
JP Bertulfo	3504 Sexton Woods Dr	ATLANTA	GA	30341	206-309-0864	JBERTULF@HSC.USF.EDU
Ken Johnson	457 Overbrook Drive, NW	Atlanta	GA	30318	404-351-4652	
Nancy Rinzler	225 Northland Ridge Trail	Atlanta	GA	30342	404 255 8081	nancyrinzler@earthlink.net
Andrea Pinabell / Stormwater Management Inc.	430 Lindbergh Drive #F3	Atlanta	GA	30305	404-846-5785	andreap@stormwaterinc.com
Ben R. Jordan / The Coca-Cola Company	P.O. Box 1734	Atlanta	GA	30301		bjordan@na.ko.com
Bruce W. Thurlby / Archaea Solutions, Inc.	100 Lloyd Avenue, Suite D	Tyrone	GA	30290	770-487-5303	bruce.thurlby@archaseasolutions.com
Bryan Barrett / USDA	355 East Hancock Ave	Athens	GA	30601	706-546-2039	bryan.barrett@ga.usda.gov
Buddy Belflower / USDA/NRCS	734 Cresent Dr	Gainesville	GA	30501	770-536-6981	buddy.belflower@ga.usda.gov
Chad Knudsen / Ecological Solutions					770-998-7848	chadknudsen@ecologicalsolutions.net
Chrissy Marlowe / GA DCA	225 West Broad St.	Athens	GA	30601	706-425-3077	cmarlowe@dca.state.ga.us
Chuck Budinger / Corporate Env. Risk Management	2116 Monroe Drive, Suite 110	Atlanta	GA	30324	678-999-0173	cbudinger@cerm.com
David Smith	740 Hunterhill Court	Roswell	GA	30075	770-641-3096	davidsmith@ecologicalsolutions.net
David Smith / Ecological Solutions	630 Colonial Park Drive, Suite 200	Roswell	GA	30075	770-998-7848	davidsmith@ecologicalsolutions.net
Duncan Cottrell / Adopt-A-Stream Coordinator / Upper Etowah River Alliance					770-735-2778	duncancottrell@yahoo.com
Geneva Nelson / Foundation for Global Community	899 Chippendale Lane	Norcross	GA	30093	770-564-2730	genevaan@yahoo.com
Jason Barringer	2446 Fallview Terrace	East Point	GA	30344		forrain2@hotmail.com

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Kevin Johnson / The Trust for Public land	1447 Peachtree Street Suite 601	Atlanta	GA	30309	404.873.7306	kevin.johnson@tpl.org
Kimberly Ajy / Jordan Jones and Goulding	6801 Governors Lake Parkway	Norcross	GA	30071	6783330232	kajy@jgg.com
Linda MacGregor / McKenzie MacGregor Incorporated	3455 Lawrenceville Suwanee Road, Suite A	Suwanee	GA	30024	678-546-9450	lmacgregor@mckmacg.com
Max Walker	941 Pine Roc Drive	Stone Mountain	GA	30083	770/469/4786	MAXWALKER@mindspring.com
Rose Mary Seymour / UGA - Griffin Campus	1109 Experiment St	Griffin	GA	30223	770 229-3214	rseymour@griffin.uga.edu
Rose Mary Seymour / UGA - Griffin Campus	1109 Experiment St	Griffin	GA	30223	770 229-3214	rseymour@griffin.uga.edu
Laura Beall / Council for Quality Growth	6500 Sugarloaf Pkwy, Ste 220	Duluth	GA	30097	770-813-4470	lb@councilforqualitygrowth.org
Mark Thelen / Landmark Landscapes	559 S. Cemetery Street	Norcross	GA	30071	770-446-0044	mark@landmarklandscapes.net
Alice Champagne / Upper Chattahoochee Riverkeeper	916 Joseph Lowery Blvd	Atlanta	GA	30318	404-352-9828	achampagne@ucriverkeeper.org
Allison Cohen / Emory University	Emory University	Atlanta	GA	30322		
Dieter Franz	3653 N. Stratford Road				404-261-8697	cdf Franz@comcast.net
Janie Dewald Bailey	60 North River Road	McDonough	GA	30252-8711		JPDBailey@juno.com
Steve Boudreaux	P.O. Box 36	Pine Lake	GA	30072		steveboudreaux@yahoo.com

APPENDIX B
UPDATES TO THIS PLAN

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.

North Fork Peachtree Creek

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
North Fork Peachtree Creek	Headwaters to Peachtree Creek (Gwinnett/DeKalb/Fulton Co.)	14 miles / 25,021 acres	Fishing	NS

III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	Urban Runoff (UR)	91%

IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
 - Field surveys
 - Review of land cover data
 - Evaluation of sources
-

A meeting was held in March 2004 with local city and county staff to review the TMDL segment and discuss potential sources of pollution. In May 2004 public meetings were held to solicit general stakeholder involvement. Large presentation size maps using 2003 aerial imagery were developed for the public meetings as a tool to help locate sources. The stakeholders were asked for their input on any potential sources of pollution in the area. In addition to reviewing aerial imagery ARC staff will review the most recent landuse data available (year 2001) for the area and will be updating the watershed description found in the TMDLs. This process involved first verifying that the correct watershed was used in the development of the TMDL. ARC staff has updated watershed delineations and will provide the updated watershed boundaries to GA EPD.

In addition to the efforts stated above DeKalb County as a part of their Compliance and Infrastructure Program routinely performs inspections of aerial and buried sewer line crossings. DeKalb County also performs routine walks of sewer outfalls, 12 inches or greater, along creeks banks for I/I related problems.

To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The *SOURCES SHOULD BE RANKED*** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed effected, the stream miles effected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Fecal Coliform	Urban Runoff	Entire Segment	Large	Nonpoint source / stormwater runoff
Fecal Coliform	SSOs	Sporadic	Small	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures
Fecal Coliform	Animal wastes	Entire Segment	Small	Nonpoint source - pets and wildlife
Fecal Coliform	Septic tank systems	Sporadic	Negligible	Leaking / runoff from failing septic tank systems, including faulty drain fields
Fecal Coliform	Illicit connections	Sporadic	Negligible	Improper connections of sanitary sewer flows to the storm drain system

V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities, which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

As a first step an initial meeting was held in March 2004 with local government agencies to determine possible sources of pollution as well as any preventative / corrective measures in place or planned for the area. The local government agencies in the advisory group for this segment are listed in Table 4.

The most important part of developing these implementation plans is locating stakeholders in this area. ARC staff searched for stakeholders listed on existing mailing lists (Home Owner Associations, Adopt-A-Stream, Watershed Alliance groups, etc.) to invite to the public meetings. The staff also gathered tax assessment information on landowners who owned more than 50 acres in the county. These stakeholders were considered large landowners and included public, private, and commercial types of property. Businesses listed on EPA's Enforcement & Compliance History Online (ECHO) website (www.epa.gov/echo) that were located in the area were also invited to the public meetings. A list of elected officials, chambers of commerce, parks & recreation departments, NRCS, GA Soil & Water Conservation Commission, and National Park Service representatives were also invited to the public meetings. ARC staff also included schools, libraries, and large apartment complexes in the public meeting mailing list.

The next outreach activity was to develop a website for this project (www.atlantaregional.com/cleanerstreams). The website provided a variety of information and access opportunities for the TMDL Implementation Plan process. The website identified the local government participants, provided a list and map of the TMDL stream segments. The TMDL documents, the 303(d) list and other background information was available on this website. An online sign-up and feed-back form was included on the website so that people could sign up to be a stakeholder. These stakeholder names and other stakeholders can be found in Appendix A. In an effort to provide further detailed information on the TMDL stream segments and their watersheds, an interactive GIS map was developed as a part of the website. This interactive mapping technology allows individuals to zoom in to the area they are interested in and print out maps. The website also included access to a 10-minute video and slide presentation that explains the implementation plan development process and provides online feedback thus creating a virtual stakeholder public meeting and involvement process. This video resource was made available from May 3, 2004 to August 3, 2004. During this three month period a total of 129 visitors accessed the virtual public meeting. It was confirmed that public libraries in the area have high speed internet access and that the virtual public meeting could be viewed on computers at any public library in the metro Atlanta area.

The next step in this process involved holding 4 initial public meetings in May 2004 to educate stakeholders about this process and solicit input. A total of 43 persons attended the public meetings.

Methods used to inform the general public about the implementation plan development process and the public meetings include: having major environmental groups send out meeting notices in their electronic newsletters, distributing press releases, purchasing newspaper advertising space, sending out numerous e-mails announcing the initial meetings and finally mailing out 3500 meeting announcements to local groups (home owner associations, watershed alliances, etc.), businesses, large landowners, elected officials, Chambers of Commerce, Parks & Recreation Departments, NRCS, and the National Park Service.

After input had been received from our local government advisory group and stakeholders a draft implementation plan was developed. This draft document was made available to all stakeholders for discussion and input at the 4 public meetings held in June 2004. A total of 37 persons attended the public meetings.

List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

Table 4. COMMITTEE MEMBERS

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
Georgia Soil and Water Conservation Commission	1500 Klondike Road Suite A109	Conyers	GA	30094	770-761-3020	kshahlaee@gaswcc.org
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works	1580 Roadhaven Drive	Stone Mountain	GA	30083		
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
DeKalb County Health Department	PO Box 987	Decatur	GA	30031		
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	steve.leo@gwinnettcountry.com
Gwinnett County Board of Health	240 Oak Street	Lawrenceville	GA	30045-5012	(770) 963-5132	jfcurlee@chr.state.ga.us
NRCS (Marietta, GA Office)	678 South Cobb Drive, Suite 150	Marietta	GA	30060	770-792-0647	
City of Atlanta Office of the Mayor	55 Trinity Avenue Suite 2400	Atlanta	GA	30303	404-330-6100	sfranklin@atlantaga.gov
City of Atlanta Department of Watershed Management	55 Trinity Avenue Suite 5400	Atlanta	GA	30303	404-330-6081	rhunter@atlantaga.gov
City of Atlanta Department of Planning, Atlanta Planning & Advisory Board	55 Trinity Avenue, Suite 1450	Atlanta	GA	30303		
City of Chamblee	5468 Peachtree Road	Chamblee	GA	30341		
Metropolitan North Georgia Water Planning District	40 Courtland Street, NE	Atlanta	GA	30303	404-463-3260	
City of Doraville	3725 Park Ave	Doraville	GA	30340		

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

Table 5. MANAGEMENT MEASURES AND ACTIVITIES

GENERAL MEASURES APPLICABLE TO ALL PARAMETERS

MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/ IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
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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.	DeKalb County Water / Wastewater Revenue	In-Progress	09/1997	Moderate
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	Storm Water Revenue	In-progress	1998	Very
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) and manhole rehabilitation.	DeKalb County Water / Wastewater Revenue	Ongoing	1996	Very
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.	DeKalb County Water / Wastewater Revenue	Ongoing	2001	To Be Determined
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.	DeKalb County Board of Health	Enforced	June 30, 1980	Moderate
Gwinnett County Storm Water Management Ordinance	Gwinnett County	Ordinance to address non-point source pollution		Enforced	9/1996	Moderate
Gwinnett County Development Regulations	Gwinnett County	Regulations modified to include water quality and quantity requirements in response to county's Watershed Protection Plan		Enforced	1/2001	Moderate
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.		In-progress	November 2001	Moderate
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.		In-progress	6-15-1994	Moderate
Best Management Practices(BMP) Inspections	Gwinnett County	Inspection of water quality and quantity BMP's to insure they are properly maintained.		In-progress	4/99	Moderate
Watershed Protection Plan	Gwinnett County	Assessment of watersheds and suggested protection measures		In-progress	5/2000	Moderate

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Watershed Master Planning	Gwinnett County	Develop Capital Improvement Plans (CIP) for watersheds		In-progress	10/2000	Moderate
Sanitary Sewer Evaluation System	Gwinnett County DPU	Inspection program evaluates condition of manholes, and pipes (smoke test and TV). Walking easements looking for problems.		In-Progress	1987	Very
Grease Trap Inspection Program	Gwinnett County DPU	Inspection of grease traps		In-progress	6/1999	Very
Pilot Septic System Repair Subsidy Program	Gwinnett County, USDA - NRCS, Gwinnett County Environmental Health	The responsible parties are currently investigating the possibility of establishing a pilot program to subsidize the repair of failing septic systems. Implementation of this pilot program would only begin following the approval by EPD of a 319 grant proposal.	319 Grant funding being pursued. If grant approved, grant would be matched by Gwinnett County, Gwinnett Environmental Health and NRCS	Pilot Program currently being investigated	No. Would only be implemented upon receipt of 319 grant funding.	Unknown
NPDES Phase I Permit GAS000100	City of Atlanta	MS4 Permit: The State of GA has issued the City of Atlanta with a permit to operate the City's Municipal Separate Storm Sewer System (MS4). Major aspects of the permit include public education, illicit discharge detection and elimination, source identification activities, water sampling and reporting.		Enforced	6/15/1994	Very
City of Atlanta Stormwater Management Ordinance	City of Atlanta	Ordinance to address stormwater management and nonpoint source pollution		Enforced	1993	Very
Illicit Discharge Ordinance	City of Atlanta	Ordinance to address illicit discharge and illegal dumping into the MS4 system.		Enforced	1996	Very
Erosion and Sedimentation Control Ordinance	City of Atlanta	Ordinance to address erosion and sedimentation occurring at constructions site that limits sediment from entering the sewer system.		Enforced	1996	Very
Riparian Buffer Protection Ordinance	City of Atlanta	Ordinance that protects 75 feet from the top of bank on a perennial and intermittent stream.		Enforced	1999	Very
Floodplain Protection Ordinance	City of Atlanta	Ordinance that protects floodplains in the City from being developed.		Enforced	1985	Very
Sanitary Sewer Evaluation System	City of Atlanta	Inspection program evaluates the condition of every manhole and pipe (smoke test, tv, and radar). Assessing easements for problems		In progress	1998	Very

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CMOM Program	City of Atlanta	The required CMOM (Capacity Management, Operations & Maintenance) program includes the following: Collection and Transmission Systems Contingency and Emergency Response Plan; Short-Term Operation Plan; Maintenance Management System Plan; Pump Station Evaluations; Grease Management Program; Sewer Mapping Program; Safety Program; Training Program; Capacity Certification Program; and Long-Term Operation Plan.		In progress	1999	Moderate
Grease Trap Inspection Program	City of Atlanta	Inspection of grease traps		In progress	1999	Very
BMP Program	City of Atlanta	Through development ordinance ensures that BMPs are properly selected and maintained for non point source pollution prevention.		Enforced	1995	Very
Street Sweeping Program	City of Chamblee	Year round street sweeping program that covers the town approximately once a month. This includes sweeping all streets, and storm drains.	City General Fund	Ongoing	2002 (Enacted)	Moderate
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	As a part of this watershed management plan MS4 Phase I and Phase II communities will be required to adopt the following ordinances: Post Development Storm Water Management for New Development and Redevelopment, Illicit Discharge and Illegal Connection, and Stream Buffer Protection. As well as establishing municipal Good Housekeeping Practices.	Local Funds	Ongoing	2004 & 2005	Very
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local wastewater systems will implement a policy on private wastewater systems, develop interim decentralized system plans with concept of merging into larger systems, a grease management program, and numerous sewer system programs (mapping, maintenance programs, Rehab identification and construction program and capacity certification program).	Local Funds	Ongoing	2005	Very

VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

Table 6. MONITORING PLAN

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	

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FC	Georgia EPD, Water Protection Branch or local government	Recommended	2004	2005	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia
FC	DeKalb County Water & Sewer Division	Current	2001	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1992	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1970	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Proposed	2003	Ongoing	Stream Surveys - Quarterly stream walks to identify potential illicit discharges, areas of degradation, and other potential water quality problems.
FC	Gwinnett County	Current	9/1996	Ongoing	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.
FC	Gwinnett County	Proposed	6/2003		Fecal Coliform Monitoring Program. Monitoring under this program is completed in accordance with an EPD approved Sampling and Quality Assurance Plan.
FC	City of Atlanta Long-term Water Quality Monitoring Program with USGS	Current	2002	Ongoing	The purpose is to collect data needed to assess stream improvements and any pollution reduction that can be attributed to the Clean Water Atlanta (CWA) program.
FC	City of Atlanta	Current	1995	Ongoing	NPDES MS4 Program Dry weather screening
FC	City of Atlanta	Current	1995	Ongoing	NPDES MS4 Program Fecal Coliform Monitoring
FC	City of Atlanta	Current	1995	Ongoing	Industrial Pretreatment Program

VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities, which will be conducted to support this plan and the implementation of it.

Table 7. PLANNED OUTREACH

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
DeKalb County Roads & Drainage Division	Storm drain stenciling program	General public (residential /commercial/industrial)	Ongoing (1999)
DeKalb County Roads & Drainage Division	Educational brochures	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: http://dklbweb.dekalbga.org/watersewer	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	Middle school students	Ongoing (2003)
Unincorporated Gwinnett County	Stenciling Program	General Public	On going (Enacted: 9/98)
Unincorporated Gwinnett County	Utility bill inserts	General Public	On going (Enacted: 9/98)
Unincorporated Gwinnett County	Pet Waste Brochure	General Public	On going (Enacted: 10/00)
Unincorporated Gwinnett County	Pet Waste Sign Program in Parks	General Public	On going (Enacted: 2/03)
Unincorporated Gwinnett County	Adopt A Stream	General Public	On going (Enacted: 7/91)
Unincorporated Gwinnett County	Septic Tank Maintenance Folder	General Public	On going (Enacted: 12/02)
Unincorporated Gwinnett County	Educational School Activities	School age students	On going (Enacted: 9/94)
Unincorporated Gwinnett County	Menu for a Cleaner Environment	Restaurants	On going (Enacted: 11/98)
Unincorporated Gwinnett County	Septic Tank Workshop	General Public	2/03
Unincorporated Gwinnett County	Watershed Festival	General Public	10/01
Unincorporated Gwinnett County	Clean Water Campaign	General Public	On going (Enacted: 1/00)

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Unincorporated Gwinnett County	Gwinnett County Storm Water Website www.gwinnettstormwater.com	General Public, Professional and Industry	On going (Enacted: 8/02)
Unincorporated Gwinnett County, NRCS, Gwinnett County Environmental Health	Pilot Septic System Repair Subsidy Program based on 319 Grant from EPD. Outreach activities not yet determined.	To be determined.	Unknown
City of Atlanta	Stenciling program	General Public	Ongoing
City of Atlanta	Utility bill inserts	General Public	Ongoing
City of Atlanta	Great American Cleanup	General Public	Ongoing
City of Atlanta	Clean Water Campaign	General Public	Ongoing
City of Atlanta	Community watershed workshops	General Public	Ongoing
City of Atlanta	Stream clean ups	General Public	Ongoing (1998)
City of Atlanta	Adopt-A-Stream	General Public	Ongoing
City of Atlanta	Citizens participation program	General Public	Ongoing
City of Atlanta	Project WET	General Public	Ongoing
City of Atlanta	Website: www.cleanwateratlanta.org	General Public	Ongoing
City of Atlanta	Website: www.atlantapublicworks.org	General Public	Ongoing
City of Atlanta	Programming on City Channel 26	General Public	Ongoing
City of Atlanta	Neighborhood Planning Unit presentations	General Public	Ongoing
City of Chamblee	Distribute Education Stormwater Flyers	City Residents	2002 (Enacted)
City of Chamblee	Storm Drain Stenciling	General Public	1997 (Enacted)
Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local Governments will participate in a regional public education program such as the Clean Water Campaign, or establish its own program. The program must address water quality issues and the promotion of water conservation.	General Public	2004
City of Doraville	Storm Drain Stenciling	General Public	2003 (started)
City of Doraville	Providing Educational Stormwater Flyers (available at City Hall)	General Public / Business Community	2002 (started)

IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

- Accomplishment of management practices or activities - outreach activities
- Installation of BMPs

to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

Table 8. MILESTONES

MANAGEMENT MEASURE	RESPONSIBLE ORGANIZATIONS	STATUS		COMMENT
		PROPOSED	INSTALLED	
Phase I MS4 Municipal Stormwater Permit	DeKalb County	1997	Ongoing	Annual Reports submitted to EPD

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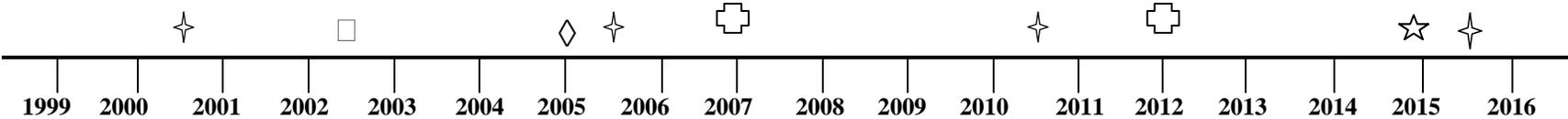
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Inspections of Industrial / commercial sites for spill prevention and control
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Outfall screenings for illicit connections
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	2000	Ongoing	Implementation of Storm Water Management Design Manual to provide BMPs for development sites
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2002	Ongoing	Passage of ordinance modifications
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Implementation of conservation zoning
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Increase level of site inspections for compliance with erosion and sediment control requirements
Point Source Pollution Control	DeKalb County Water & Sewer	2005	2010	Projects initiated and/or completed for design and construction
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1999	Ongoing	Number of inspections completed;
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1996	Ongoing	Miles of sewer line mapped and cleaned
Restoration and Retrofit Programs	DeKalb County government	2001	Ongoing	Number of projects or linear feet of prairie grass planted;
Restoration and Retrofit Programs	DeKalb County government	2005	Ongoing	Number of projects identified through feasibility studies, and then designed and constructed
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	1980	Ongoing	Continue the process of reviewing the installation of septic systems as a part of the development review process
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	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.
Gwinnett County Storm Water Management Ordinance	Gwinnett County	9/96	On-going	Industrial inspections and illicit discharge investigations
Gwinnett County Development Regulations	Gwinnett County	11/97	1/2001	Water quality requirements added in Big Haynes Basin
Gwinnett County Development Regulations	Gwinnett County	4/1999	1/2001	Increase requirements for water quality and quantity, along with channel protection requirements
Gwinnett County Development Regulations	Gwinnett County	1/2001	Ongoing	Water Quality requirements changed County wide
Septic to Sewer Transition Program	Gwinnett County Department of Public Utilities	11/01	On-going	Passed by Gwinnett County Board of Commissioners. Citizen petitions currently being processed as they are received.
Phase I – MS4 Permit	Gwinnett County Department of Public Utilities	6-15-1994	On-going	Annual reports submitted by anniversary date of permit each year: June 15.
Best Management Practices(BMP) Inspections	Gwinnett County	2000	On going	Require maintenance agreements and 18 month maintenance bond at the time of construction
Best Management Practices(BMP) Inspections	Gwinnett County	2002	On going	Annual Field Inspections
Watershed Protection Plan	Gwinnett County	5/1998	5/2000	Passed Gwinnett County Board of Commissioner and Approved by the EDP

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Watershed Master Planning	Gwinnett County	10/2000	On-going	Master Planning – 1 basin on average per year
Sanitary Sewer Evaluation System	Gwinnett County DPU	1987	On-going	Inspection Program
Grease Trap Inspection Program	Gwinnett County DPU	7/1999	On-going	Inspections
Pilot Septic System Repair Subsidy Program	Gwinnett County, NRCS, Gwinnett County Environmental Health	Under consideration	Not yet commenced	This program is currently under consideration and will not be implemented without the receipt of 319 grant funding.
NPDES Phase I Permit GAS000100	City of Atlanta	6/95	Ongoing	Refer to Annual Report to GA EPD
City of Atlanta Stormwater Management Ordinance	City of Atlanta	1993	Ongoing	Plan review and field inspections (Inspections are performed on all construction activities within the City of Atlanta through the issuance of a building permit)
Illicit Discharge Ordinance	City of Atlanta	1996	Ongoing	Illicit discharge investigations (inspection forms are included in annual NPDES report)
Erosion and Sedimentation Control Ordinance	City of Atlanta	1996	Ongoing	Erosion and sedimentation investigations (inspection forms and violations are filed and recorded electronically within the Department of Watershed Management)
Riparian Buffer Protection Ordinance	City of Atlanta	1999	Ongoing	Riparian buffer investigations and variances (Variance applications are filed and keep on record by the Department of Planning and Watershed Management)
Floodplain Protection Ordinance	City of Atlanta	1985	Ongoing	Floodplain determinates and permits
Sanitary Sewer Evaluation System	City of Atlanta	1998	2010	Inspections (Investigations are recorded by city and field reports; they are recorded by the Department of Watershed Management under guise of the consent decree)
CMOM Program	City of Atlanta	1999	Ongoing	Inspections and maintenance
Grease Trap Inspection Program	City of Atlanta	1999	Ongoing	Inspections and permits (Inspection forms and corrective action requests are filed and recorded by the Department of Watershed Management)
BMP Program	City of Atlanta	1995	Ongoing	Plan review and field inspection
Street Sweeping Program	City of Chamblee		2002 (Enacted)	In 2002 the city ran the program for 1280 man hours and for 450 hours in 2003. Year round street sweeping program that covers the town approximately once a month.
Distribute Education Stormwater Flyers	City of Chamblee		2002 (Enacted)	Efforts were made to speak with all residents and business owners about the importance of not polluting the storm water system.
Storm Drain Stenciling	City of Chamblee		1997 (Enacted)	All city storm drains in residential neighborhoods were stenciled in 1997. The stencils will be reapplied as necessary.
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2004 & 2005	Refer to the District-wide Watershed Management Plan
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2005	Refer to the Long-Term Wastewater Management Plan

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 Georgia EPD.



- Scheduled EPD basin Group Monitoring ✦
- TMDL Completed □
- TMDL Implementation Plan Accepted ◇
- Evaluation of implementation plan/water quality improvement ⊕
- Project Attainment ☆

Prepared By:	Matt Harper		
Agency:	Atlanta Regional Commission		
Address:	40 Courtland Street, NE		
City:	Atlanta	ST:	GA ZIP: 30303
E-mail:	mharper@atlantaregional.com		
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APPENDIX A
STAKEHOLDERS

List the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
Anne Marie Hoffman	1037 Colquitt Avenue, #12	Atlanta	GA		404-588-9980	
Glen Behrend	1771 Defoor Avenue, Unit F	Atlanta	GA	30318	404-603-9960	gbehrend@att.net
Graham Anthony	9575 Marsh Cove Court	Atlanta	GA	30350	770-643-8286	gha2@mac.com
JP Bertulfo	3504 Sexton Woods Dr	ATLANTA	GA	30341	206-309-0864	JBERTULF@HSC.USF.EDU
Ken Johnson	457 Overbrook Drive, NW	Atlanta	GA	30318	404-351-4652	
Nancy Rinzler	225 Northland Ridge Trail	Atlanta	GA	30342	404 255 8081	nancyrinzler@earthlink.net
Andrea Pinabell / Stormwater Management Inc.	430 Lindbergh Drive #F3	Atlanta	GA	30305	404-846-5785	andreap@stormwaterinc.com
Ben R. Jordan / The Coca-Cola Company	P.O. Box 1734	Atlanta	GA	30301		bjordan@na.ko.com
Bruce W. Thurlby / Archaea Solutions, Inc.	100 Lloyd Avenue, Suite D	Tyrone	GA	30290	770-487-5303	bruce.thurlby@archaseasolutions.com
Bryan Barrett / USDA	355 East Hancock Ave	Athens	GA	30601	706-546-2039	bryan.barrett@ga.usda.gov
Buddy Belflower / USDA/NRCS	734 Crescent Dr	Gainesville	GA	30501	770-536-6981	buddy.belflower@ga.usda.gov
Chad Knudsen / Ecological Solutions					770-998-7848	chadknudsen@ecologicalsolutions.net
Chrissy Marlowe / GA DCA	225 West Broad St.	Athens	GA	30601	706-425-3077	cmarlowe@dca.state.ga.us
Chuck Budinger / Corporate Env. Risk Management	2116 Monroe Drive, Suite 110	Atlanta	GA	30324	678-999-0173	cbudinger@cerm.com
David Smith	740 Hunterhill Court	Roswell	GA	30075	770-641-3096	davidsmith@ecologicalsolutions.net
David Smith / Ecological Solutions	630 Colonial Park Drive, Suite 200	Roswell	GA	30075	770-998-7848	davidsmith@ecologicalsolutions.net
Duncan Cottrell / Adopt-A-Stream Coordinator / Upper Etowah River Alliance					770-735-2778	duncancottrell@yahoo.com
Geneva Nelson / Foundation for Global Community	899 Chippendale Lane	Norcross	GA	30093	770-564-2730	genevaan@yahoo.com
Jason Barringer	2446 Fallview Terrace	East Point	GA	30344		forrain2@hotmail.com
Kevin Johnson / The Trust for Public Land	1447 Peachtree Street Suite 601	Atlanta	GA	30309	404.873.7306	kevin.johnson@tpl.org
Kimberly Ajj / Jordan Jones and Goulding	6801 Governors Lake Parkway	Norcross	GA	30071	6783330232	kajy@jjg.com

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Linda MacGregor / McKenzie MacGregor Incorporated	3455 Lawrenceville Suwanee Road, Suite A	Suwanee	GA	30024	678-546-9450	lmacgregor@mckmacg.com
Max Walker	941 Pine Roc Drive	Stone Mountain	GA	30083	770/469/4786	MAXWALKER@mindspring.com
Rose Mary Seymour / UGA - Griffin Campus	1109 Experiment St	Griffin	GA	30223	770 229-3214	rseymour@griffin.uga.edu
Allison Cohen / Emory University	Emory University	Atlanta	GA	30322		
Dieter Franz	3653 N. Stratford Road				404-261-8697	cdf Franz@comcast.net
Janie Dewald Bailey	60 North River Road	McDonough	GA	30252-8711		JPDBailey@juno.com
Steve Boudreaux	P.O. Box 36	Pine Lake	GA	30072		steveboudreaux@yahoo.com
Laura Beall / Council for Quality Growth	6500 Sugarloaf Pkwy, Ste 220	Duluth	GA	30097	770-813-4470	lb@councilforqualitygrowth.org
Mark Thelen / Landmark Landscapes	559 S. Cemetery Street	Norcross	GA	30071	770-446-0044	mark@landmarklandscapes.net

APPENDIX B

UPDATES TO THIS PLAN

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.

Peachtree Creek

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
Peachtree Creek	I-85 to Chattahoochee River, Atlanta (Fulton Co.)	7 miles	Fishing	NS

III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	Urban Runoff (UR) Combined Sewer Overflow (CSO)	99%

IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
- Field surveys
- Review of land cover data
- Evaluation of sources

A meeting was held in March 2004 with local city and county staff to review the TMDL segment and discuss potential sources of pollution. In May 2004 public meetings were held to solicit general stakeholder involvement. Large presentation size maps using 2003 aerial imagery were developed for the public meetings as a tool to help locate sources. The stakeholders were asked for their input on any potential sources of pollution in the area. In addition to reviewing aerial imagery ARC staff will review the most recent landuse data available (year 2001) for the area and will be updating the watershed description found in the TMDLs. This process involved first verifying that the correct watershed was used in the development of the TMDL. ARC staff has updated watershed delineations and will provide the updated watershed boundaries to GA EPD.

In addition to the efforts stated above DeKalb County as a part of their Compliance and Infrastructure Program routinely performs inspections of aerial and buried sewer line crossings. DeKalb County also performs routine walks of sewer outfalls, 12 inches or greater, along creeks banks for I/I related problems.

In addition to the efforts stated above the City of Atlanta has chosen to include the sections listed below as a part of the City’s greenway acquisition program (inside the City of Atlanta limits). All stream segments that the City acquires will be walked annually and some maintenance will be performed as needed.

Priority 1 Stream segments

Stream	Begin	End
Peachtree Creek	0.14 mi. downstream of MARTA rail crossing	Clear Creek confluence
Peachtree Creek	N. Peachtree Rd.	Atlanta Memorial Park
Peachtree Creek	Northside Drive	Howell Mill Rd.
Peachtree Creek	Power line ROW near Hyde Manor Dr.	Chattahoochee River

Priority 3 Stream segments

Peachtree Creek	DeKalb Co. line	
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To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The *SOURCES SHOULD BE RANKED*** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed effected, the stream miles effected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Fecal Coliform	Urban Runoff	Entire Segment	Large	Nonpoint source / stormwater runoff
Fecal Coliform	SSOs	Sporadic	Small	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures
Fecal Coliform	Animal wastes	Entire Segment	Small	Nonpoint source - pets and wildlife
Fecal Coliform	Septic tank systems	Sporadic	Negligible	Leaking / runoff from failing septic tank systems, including faulty drain fields
Fecal Coliform	Illicit connections	Sporadic	Negligible	Improper connections of sanitary sewer flows to the storm drain system

V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

As a first step an initial meeting was held in March 2004 with local government agencies to determine possible sources of pollution as well as any preventative / corrective measures in place or planned for the area. The local government agencies in the advisory group for this segment are listed in Table 4.

The most important part of developing these implementation plans is locating stakeholders in this area. ARC staff searched for stakeholders listed on existing mailing lists (Home Owner Associations, Adopt-A-Stream, Watershed Alliance groups, etc.) to invite to the public meetings. The staff also gathered tax assessment information on landowners who owned more than 50 acres in the county. These stakeholders were considered large landowners and included public, private, and commercial types of property. Businesses listed on EPA's Enforcement & Compliance History Online (ECHO) website (www.epa.gov/echo) that were located in the area were also invited to the public meetings. A list of elected officials, chambers of commerce, parks & recreation departments, NRCS, GA Soil & Water Conservation Commission, and National Park Service representatives were also invited to the public meetings. ARC staff also included schools, libraries, and large apartment complexes in the public meeting mailing list.

The next outreach activity was to develop a website for this project (www.atlantaregional.com/cleanerstreams). The website provided a variety of information and access opportunities for the TMDL Implementation Plan process. The website identified the local government participants, provided a list and map of the TMDL stream segments. The TMDL documents, the 303(d) list and other background information was available on this website. An online sign-up and feed-back form was included on the website so that people could sign up to be a stakeholder. These stakeholder names and other stakeholders can be found in Appendix A. In an effort to provide further detailed information on the TMDL stream segments and their watersheds, an interactive GIS map was developed as a part of the website. This interactive mapping technology allows individuals to zoom in to the area they are interested in and print out maps. The website also included access to a 10-minute video and slide presentation that explains the implementation plan development process and provides online feedback thus creating a virtual stakeholder public meeting and involvement process. This video resource was made available from May 3, 2004 to August 3, 2004. During this three month period a total of 129 visitors accessed the virtual public meeting. It was confirmed that public libraries in the area have high speed internet access and that the virtual public meeting could be viewed on computers at any public library in the metro Atlanta area.

The next step in this process involved holding 4 initial public meetings in May 2004 to educate stakeholders about this process and solicit input. A total of 43 persons attended the public meetings.

Methods used to inform the general public about the implementation plan development process and the public meetings include: having major environmental groups send out meeting notices in their electronic newsletters, distributing press releases, purchasing newspaper advertising space, sending out numerous e-mails announcing the initial meetings and finally mailing out 3500 meeting announcements to local groups (home owner associations, watershed alliances, etc.), businesses, large landowners, elected officials, Chambers of Commerce, Parks & Recreation Departments, NRCS, and the National Park Service.

After input had been received from our local government advisory group and stakeholders a draft implementation plan was developed. This draft document was made available to all stakeholders for discussion and input at the 4 public meetings held in June 2004. A total of 37 persons attended the public meetings.

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List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

Table 4. COMMITTEE MEMBERS

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
Georgia Soil and Water Conservation Commission	1500 Klondike Road Suite A109	Conyers	GA	30094	770-761-3020	kshahlaee@gaswcc.org
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works	1580 Roadhaven Drive	Stone Mountain	GA	30083		
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
DeKalb County Health Department	PO Box 987	Decatur	GA	30031		
City of Chamblee	5468 Peachtree Road	Chamblee	GA	30341		
Fulton County Public Works (Nick Ammons)	141 Pryor St., S.W., Suite 6001	Atlanta	GA	30303	404-730-7589	
Fulton County Environmental Health Department (Pearl Gordon)	99 Jessie Hill Jr., Dr., Room 101	Atlanta	GA	30303	404-730-1308	
NRCS	678 South Cobb Drive, Suite 150	Marietta	GA	30060	770-792-0594	
Fulton County Cooperative Extension Service	141 Pryor St., Suite 1031	Atlanta	GA	30303	404-730-7000	
City of Atlanta Office of the Mayor	55 Trinity Avenue Suite 2400	Atlanta	GA	30303	404-330-6100	sfranklin@atlantaga.gov
City of Atlanta Department of Watershed Management	55 Trinity Avenue Suite 5400	Atlanta	GA	30303	404-330-6081	rhunter@atlantaga.gov
City of Atlanta Department of Planning, Atlanta Planning & Advisory Board	55 Trinity Avenue, Suite 1450	Atlanta	GA	30303		
Metropolitan North Georgia Water Planning District	40 Courtland Street, NE	Atlanta	GA	30303	404-463-3260	
City of Doraville	3725 Park Ave	Doraville	GA	30340		

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

Table 5. MANAGEMENT MEASURES AND ACTIVITIES

MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/ IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
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TMDL Implementation Plan for Peachtree Creek (I-85 to Chattahoochee River, Atlanta)
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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.	DeKalb County Water / Wastewater Revenue	In-Progress	09/1997	Moderate
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	Storm Water Revenue	In-progress	1998	Very
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) and manhole rehabilitation.	DeKalb County Water / Wastewater Revenue	Ongoing	1996	Very
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.	DeKalb County Water / Wastewater Revenue	Ongoing	2001	To Be Determined
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.	DeKalb County Board of Health	Enforced	June 30, 1980	Moderate
NPDES Phase I Permit GAS000100	City of Atlanta	MS4 Permit: The State of GA has issued the City of Atlanta with a permit to operate the City's Municipal Separate Storm Sewer System (MS4). Major aspects of the permit include public education, illicit discharge detection and elimination, source identification activities, water sampling and reporting.		Enforced	6/15/1994	Very
City of Atlanta Stormwater Management Ordinance	City of Atlanta	Ordinance to address stormwater management and nonpoint source pollution		Enforced	1993	Very
Illicit Discharge Ordinance	City of Atlanta	Ordinance to address illicit discharge and illegal dumping into the MS4 system.		Enforced	1996	Very
Erosion and Sedimentation Control Ordinance	City of Atlanta	Ordinance to address erosion and sedimentation occurring at constructions site that limits sediment from entering the sewer system.		Enforced	1996	Very

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Riparian Buffer Protection Ordinance	City of Atlanta	Ordinance that protects 75 feet from the top of bank on a perennial and intermittent stream.		Enforced	1999	Very
Floodplain Protection Ordinance	City of Atlanta	Ordinance that protects floodplains in the City from being developed.		Enforced	1985	Very
Sanitary Sewer Evaluation System	City of Atlanta	Inspection program evaluates the condition of every manhole and pipe (smoke test, tv, and radar). Assessing easements for problems		In progress	1998	Very
CMOM Program	City of Atlanta	The required CMOM (Capacity Management, Operations & Maintenance) program includes the following: Collection and Transmission Systems Contingency and Emergency Response Plan; Short-Term Operation Plan; Maintenance Management System Plan; Pump Station Evaluations; Grease Management Program; Sewer Mapping Program; Safety Program; Training Program; Capacity Certification Program; and Long-Term Operation Plan.		In progress	1999	Moderate
Grease Trap Inspection Program	City of Atlanta	Inspection of grease traps		In progress	1999	Very
BMP Program	City of Atlanta	Through development ordinance ensures that BMPs are properly selected and maintained for non point source pollution prevention.		Enforced	1995	Very
Street Sweeping Program	City of Chamblee	Year round street sweeping program that covers the town approximately once a month. This includes sweeping all streets, and storm drains.	City General Fund	Ongoing	2002 (Enacted)	Moderate
CMOM Program	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Ongoing		
Emergency Sanitary Sewer Evaluation Study (ESSES)	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Completed in 2001		
Interim Collection System Master Plan	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Completed in 2002		
Survey of Sanitary Sewer	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Begin in 2002		

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Sanitary Sewer Modeling	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Planned for 2003-2004		
Flow Monitoring	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Ongoing		
Improvements in Wastewater Treatment	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Ongoing		
Database and Tracking of Un-sewered Areas	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Ongoing		
Permitting of Septic Systems	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Ongoing		
Educational Efforts	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Ongoing		
Providing sewer service to Developed Areas by 2030	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Ongoing		
Improving Waste Receptacles	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Ongoing		
Reduction in agricultural land use through conversion to developed property	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Ongoing		
Reduction in habitat through development	Fulton County	Refer to Fulton County Watershed Protection Plan (June 2002)		Ongoing		

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IAW O.C.G.A. 290-5-26	Fulton County Environmental Health Department	Rules and regulations for installation and repair of on-site sewage management systems.		Enforced	June 30, 1980	
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	As a part of this watershed management plan MS4 Phase I and Phase II communities will be required to adopt the following ordinances: Post Development Storm Water Management for New Development and Redevelopment, Illicit Discharge and Illegal Connection, and Stream Buffer Protection. As well as establishing municipal Good Housekeeping Practices.	Local Funds	Ongoing	2004 & 2005	Very
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local wastewater systems will implement a policy on private wastewater systems, develop interim decentralized system plans with concept of merging into larger systems, a grease management program, and numerous sewer system programs (mapping, maintenance programs, Rehab identification and construction program and capacity certification program).	Local Funds	Ongoing	2005	Very

VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

Table 6. MONITORING PLAN

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	
FC	Georgia EPD, Water Protection Branch or local government	Recommended	2004	2005	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia
FC	City of Atlanta Long-term Water Quality Monitoring Program with USGS	Current	2002	Ongoing	The purpose is to collect data needed to assess stream improvements and any pollution reduction that can be attributed to the Clean Water Atlanta (CWA) program.
FC	City of Atlanta	Current	1995	Ongoing	NPDES MS4 Program Dry weather screening
FC	City of Atlanta	Current	1995	Ongoing	NPDES MS4 Program Fecal Coliform Monitoring
FC	City of Atlanta	Current	1995	Ongoing	Industrial Pretreatment Program
Fecal Coliform	Fulton County	Current	2001		Refer to Fulton County Watershed Protection Plan (June 2002)

VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities, which will be conducted to support this plan and the implementation of it.

Table 7. PLANNED OUTREACH

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
DeKalb County Roads & Drainage Division	Storm drain stenciling program	General public (residential /commercial/industrial)	Ongoing (1999)
DeKalb County Roads & Drainage Division	Educational brochures	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: http://dklbweb.dekalbga.org/watersewer	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	Middle school students	Ongoing (2003)
City of Atlanta	Stenciling program	General Public	Ongoing
City of Atlanta	Utility bill inserts	General Public	Ongoing
City of Atlanta	Great American Cleanup	General Public	Ongoing
City of Atlanta	Clean Water Campaign	General Public	Ongoing
City of Atlanta	Community watershed workshops	General Public	Ongoing
City of Atlanta	Stream clean ups	General Public	Ongoing (1998)
City of Atlanta	Adopt-A-Stream	General Public	Ongoing
City of Atlanta	Citizens participation program	General Public	Ongoing
City of Atlanta	Project WET	General Public	Ongoing
City of Atlanta	Website: www.cleanwateratlanta.org	General Public	Ongoing
City of Atlanta	Website: www.atlantapublicworks.org	General Public	Ongoing
City of Atlanta	Programming on City Channel 26	General Public	Ongoing
City of Atlanta	Neighborhood Planning Unit presentations	General Public	Ongoing
City of Chamblee	Distribute Education Stormwater Flyers	City Residents	2002 (Enacted)
City of Chamblee	Storm Drain Stenciling	General Public	1997 (Enacted)
Fulton County	Develop & submit print ads/public service announcements/press releases.		10/03
Fulton County	Develop & distribute educational packets to new septic tank permit applicants.		11/03

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Fulton County	Conduct five workshops at community meetings, reaching 150 homeowners.		4/03 & 9/03
Fulton County	Conduct four classroom demonstrations, reaching 100 students.		4/03 & 9/03
Fulton County	Conduct dye testing on 50 septic tanks.		4/03 & 9/03
Fulton County	Perform Fecal Coliform analysis in conjunction with above dye tests and analyze results.		4/03 & 9/03
Fulton County	Copies of <i>The Septic System Owner's Manual</i> by Lloyd Kahn, Blair Allen, & Julie Jones will be placed in every Fulton County Library and will be available for checkout by the general public.		2/03
Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local Governments will participate in a regional public education program such as the Clean Water Campaign, or establish its own program. The program must address water quality issues and the promotion of water conservation.	General Public	2004
City of Doraville	Storm Drain Stenciling	General Public	2003 (started)
City of Doraville	Providing Educational Stormwater Flyers (available at City Hall)	General Public / Business Community	2002 (started)

IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

- Accomplishment of management practices or activities - outreach activities
- Installation of BMPs

to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

Table 8. MILESTONES

MANAGEMENT MEASURE	RESPONSIBLE ORGANIZATIONS	STATUS		COMMENT
		PROPOSED	INSTALLED	
Phase I MS4 Municipal Stormwater Permit	DeKalb County	1997	Ongoing	Annual Reports submitted to EPD

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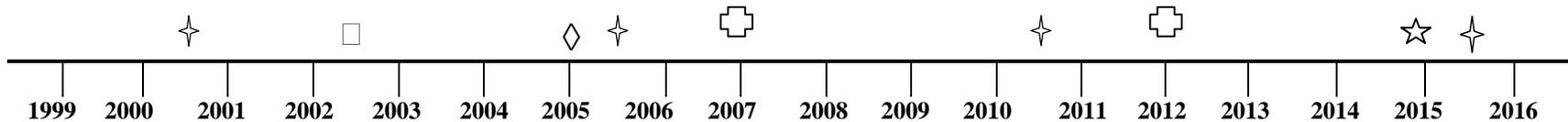
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Inspections of Industrial / commercial sites for spill prevention and control
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Outfall screenings for illicit connections
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	2000	Ongoing	Implementation of Storm Water Management Design Manual to provide BMPs for development sites
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2002	Ongoing	Passage of ordinance modifications
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Implementation of conservation zoning
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Increase level of site inspections for compliance with erosion and sediment control requirements
Point Source Pollution Control	DeKalb County Water & Sewer	2005	2010	Projects initiated and/or completed for design and construction
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1999	Ongoing	Number of inspections completed;
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1996	Ongoing	Miles of sewer line mapped and cleaned
Restoration and Retrofit Programs	DeKalb County government	2001	Ongoing	Number of projects or linear feet of prairie grass planted;
Restoration and Retrofit Programs	DeKalb County government	2005	Ongoing	Number of projects identified through feasibility studies, and then designed and constructed
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	1980	Ongoing	Continue the process of reviewing the installation of septic systems as a part of the development review process
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	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.
NPDES Phase I Permit GAS000100	City of Atlanta	6/95	Ongoing	Refer to Annual Report to GA EPD
City of Atlanta Stormwater Management Ordinance	City of Atlanta	1993	Ongoing	Plan review and field inspections (Inspections are performed on all construction activities within the City of Atlanta through the issuance of a building permit)
Illicit Discharge Ordinance	City of Atlanta	1996	Ongoing	Illicit discharge investigations (inspection forms are included in annual NPDES report)
Erosion and Sedimentation Control Ordinance	City of Atlanta	1996	Ongoing	Erosion and sedimentation investigations (inspection forms and violations are filed and recorded electronically within the Department of Watershed Management)
Riparian Buffer Protection Ordinance	City of Atlanta	1999	Ongoing	Riparian buffer investigations and variances (Variance applications are filed and kept on record by the Department of Planning and Watershed Management)
Floodplain Protection Ordinance	City of Atlanta	1985	Ongoing	Floodplain determinates and permits
Sanitary Sewer Evaluation System	City of Atlanta	1998	2010	Inspections (Investigations are recorded by city and field reports; they are recorded by the Department of Watershed Management under guise of the consent decree)
CMOM Program	City of Atlanta	1999	Ongoing	Inspections and maintenance
Grease Trap Inspection Program	City of Atlanta	1999	Ongoing	Inspections and permits (Inspection forms and corrective action requests are filed and recorded by the Department of Watershed Management)
BMP Program	City of Atlanta	1995	Ongoing	Plan review and field inspection

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Street Sweeping Program	City of Chamblee		2002 (Enacted)	In 2002 the city ran the program for 1280 man hours and for 450 hours in 2003. Year round street sweeping program that covers the town approximately once a month.
Distribute Education Stormwater Flyers	City of Chamblee		2002 (Enacted)	Efforts were made to speak with all residents and business owners about the importance of not polluting the storm water system.
Storm Drain Stenciling	City of Chamblee		1997 (Enacted)	All city storm drains in residential neighborhoods were stenciled in 1997. The stencils will be reapplied as necessary.
CMOM Program	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Emergency Sanitary Sewer Evaluation Study (ESSES)	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Interim Collection System Master Plan	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Survey of Sanitary Sewer	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Sanitary Sewer Modeling	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Flow Monitoring	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Improvements in Wastewater Treatment	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Database and Tracking of Un-sewered Areas	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Permitting of Septic Systems	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Educational Efforts	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Providing sewer service to Developed Areas by 2030	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Improving Waste Receptacles	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Reduction in agricultural land use through conversion to developed property	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
Reduction in habitat through development	Fulton County			Refer to Fulton County Watershed Protection Plan (June 2002)
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2004 & 2005	Refer to the District-wide Watershed Management Plan
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2005	Refer to the Long-Term Wastewater Management Plan

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 Georgia EPD.



- Scheduled EPD basin Group Monitoring ✦
- TMDL Completed □
- TMDL Implementation Plan Accepted ◇
- Evaluation of implementation plan/water quality improvement ⊕
- Project Attainment ☆

Prepared By:	Matt Harper		
Agency:	Atlanta Regional Commission		
Address:	40 Courtland Street, NE		
City:	Atlanta	ST:	GA ZIP: 30303
E-mail:	mharper@atlantaregional.com		
Date Submitted to EPD:	August 30, 2004	Revision:	#1

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APPENDIX A

STAKEHOLDERS

List the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
City of Clarkston	3921 Church Street	Clarkston	GA	30021		
City of Avondale Estates	21 North Avondale Place	Avondale	GA	30002	404-294-5400	
Anne Marie Hoffman	1037 Colquitt Avenue, #12	Atlanta	GA		404-588-9980	
Glen Behrend	1771 Defoor Avenue, Unit F	Atlanta	GA	30318	404-603-9960	gbehrend@att.net
Graham Anthony	9575 Marsh Cove Court	Atlanta	GA	30350	770-643-8286	gha2@mac.com
JP Bertulfo	3504 Sexton Woods Dr	ATLANTA	GA	30341	206-309-0864	JBERTULF@HSC.USF.EDU
Ken Johnson	457 Overbrook Drive, NW	Atlanta	GA	30318	404-351-4652	
Nancy Rinzler	225 Northland Ridge Trail	Atlanta	GA	30342	404 255 8081	nancyrinzler@earthlink.net
Andrea Pinabell / Stormwater Management Inc.	430 Lindbergh Drive #F3	Atlanta	GA	30305	404-846-5785	andreap@stormwaterinc.com
Ben R. Jordan / The Coca-Cola Company	P.O. Box 1734	Atlanta	GA	30301		bjordan@na.ko.com
Bruce W. Thurlby / Archaea Solutions, Inc.	100 Lloyd Avenue, Suite D	Tyrone	GA	30290	770-487-5303	bruce.thurlby@archaeasolutions.com
Bryan Barrett / USDA	355 East Hancock Ave	Athens	GA	30601	706-546-2039	bryan.barrett@ga.usda.gov
Buddy Belflower / USDA/NRCS	734 Crescent Dr	Gainesville	GA	30501	770-536-6981	buddy.belflower@ga.usda.gov
Chad Knudsen / Ecological Solutions					770-998-7848	chadknudsen@ecologicalsolutions.net
Chrissy Marlowe / GA DCA	225 West Broad St.	Athens	GA	30601	706-425-3077	cmarlowe@dca.state.ga.us
Chuck Budinger / Corporate Env. Risk Management	2116 Monroe Drive, Suite 110	Atlanta	GA	30324	678-999-0173	cbudinger@cerm.com
David Smith	740 Hunterhill Court	Roswell	GA	30075	770-641-3096	davidsmith@ecologicalsolutions.net
David Smith / Ecological Solutions	630 Colonial Park Drive, Suite 200	Roswell	GA	30075	770-998-7848	davidsmith@ecologicalsolutions.net
Duncan Cottrell / Adopt-A-Stream Coordinator / Upper Etowah River Alliance					770-735-2778	duncancottrell@yahoo.com
Geneva Nelson / Foundation for Global Community	899 Chippendale Lane	Norcross	GA	30093	770-564-2730	genevaan@yahoo.com
Jason Barringer	2446 Fallview Terrace	East Point	GA	30344		forrain2@hotmail.com
Kevin Johnson / The Trust for Public Land	1447 Peachtree Street Suite 601	Atlanta	GA	30309	404.873.7306	kevin.johnson@tpl.org

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Kimberly Ajy / Jordan Jones and Goulding	6801 Governors Lake Parkway	Norcross	GA	30071	6783330232	kajy@jig.com
Linda MacGregor / McKenzie MacGregor Incorporated	3455 Lawrenceville Suwanee Road, Suite A	Suwanee	GA	30024	678-546-9450	lmacgregor@mckmacg.com
Max Walker	941 Pine Roc Drive	Stone Mountain	GA	30083	770/469/4786	MAXWALKER@mindspring.com
Rose Mary Seymour / UGA - Griffin Campus	1109 Experiment St	Griffin	GA	30223	770 229-3214	rseymour@griffin.uga.edu
Alice Champagne / Upper Chattahoochee Riverkeeper	916 Joseph Lowery Blvd	Atlanta	GA	30318	404-352-9828	achampagne@ucriverkeeper.org
Ben R. Jordan	124 Mockingbird Lane	Decatur	GA	30030		brjordan@alum.mit.edu
Carol Hayes / Burnt Fork Watershed Alliance	2665 Spicer Lane	Decatur	GA	30033	404-320-9187	cehayes@mindspring.com
Robert Schreiber	515 Claire Drive	Atlanta	GA	30307	404-373-1947	robertsschreiber@msn.com
Laura Beall / Council for Quality Growth	6500 Sugarloaf Pkwy, Ste 220	Duluth	GA	30097	770-813-4470	lb@councilforqualitygrowth.org
Mark Thelen / Landmark Landscapes	559 S. Cemetery Street	Norcross	GA	30071	770-446-0044	mark@landmarklandscapes.net
Allison Cohen / Emory University	Emory University	Atlanta	GA	30322		
Dieter Franz	3653 N. Stratford Road				404-261-8697	cdf Franz@comcast.net
Janie Dewald Bailey	60 North River Road	McDonough	GA	30252-8711		JPDBailey@juno.com
Steve Boudreaux	P.O. Box 36	Pine Lake	GA	30072		steveboudreaux@yahoo.com
City of Decatur	2635 Talley Street	Decatur	GA	30030	404-377-6198	

APPENDIX B
UPDATES TO THIS PLAN

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.

Peavine Creek

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
Peavine Creek	DeKalb County	3 miles / 3,810 acres	Fishing	NS

III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	Urban Runoff (UR)	79%

IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
 - Field surveys
 - Review of land cover data
 - Evaluation of sources
-

A meeting was held in March 2004 with local city and county staff to review the TMDL segment and discuss potential sources of pollution. In May 2004 public meetings were held to solicit general stakeholder involvement. Large presentation size maps using 2003 aerial imagery were developed for the public meetings as a tool to help locate sources. The stakeholders were asked for their input on any potential sources of pollution in the area. In addition to reviewing aerial imagery ARC staff will review the most recent landuse data available (year 2001) for the area and will be updating the watershed description found in the TMDLs. This process involved first verifying that the correct watershed was used in the development of the TMDL. ARC staff has updated watershed delineations and will provide the updated watershed boundaries to GA EPD.

In addition to the efforts stated above DeKalb County as a part of their Compliance and Infrastructure Program routinely performs inspections of aerial and buried sewer line crossings. DeKalb County also performs routine walks of sewer outfalls, 12 inches or greater, along creeks banks for I/I related problems.

To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The *SOURCES SHOULD BE RANKED*** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed effected, the stream miles effected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Fecal Coliform	Urban Runoff	Entire Segment	Large	Nonpoint source / stormwater runoff
Fecal Coliform	SSOs	Sporadic	Small	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures
Fecal Coliform	Animal wastes	Entire Segment	Small	Nonpoint source - pets and wildlife
Fecal Coliform	Septic tank systems	Sporadic	Negligible	Leaking / runoff from failing septic tank systems, including faulty drain fields
Fecal Coliform	Illicit connections	Sporadic	Negligible	Improper connections of sanitary sewer flows to the storm drain system

V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities, which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

As a first step an initial meeting was held in March 2004 with local government agencies to determine possible sources of pollution as well as any preventative / corrective measures in place or planned for the area. The local government agencies in the advisory group for this segment are listed in Table 4.

The most important part of developing these implementation plans is locating stakeholders in this area. ARC staff searched for stakeholders listed on existing mailing lists (Home Owner Associations, Adopt-A-Stream, Watershed Alliance groups, etc.) to invite to the public meetings. The staff also gathered tax assessment information on landowners who owned more than 50 acres in the county. These stakeholders were considered large landowners and included public, private, and commercial types of property. Businesses listed on EPA's Enforcement & Compliance History Online (ECHO) website (www.epa.gov/echo) that were located in the area were also invited to the public meetings. A list of elected officials, chambers of commerce, parks & recreation departments, NRCS, GA Soil & Water Conservation Commission, and National Park Service representatives were also invited to the public meetings. ARC staff also included schools, libraries, and large apartment complexes in the public meeting mailing list.

The next outreach activity was to develop a website for this project (www.atlantaregional.com/cleanerstreams). The website provided a variety of information and access opportunities for the TMDL Implementation Plan process. The website identified the local government participants, provided a list and map of the TMDL stream segments. The TMDL documents, the 303(d) list and other background information was available on this website. An online sign-up and feed-back form was included on the website so that people could sign up to be a stakeholder. These stakeholder names and other stakeholders can be found in Appendix A. In an effort to provide further detailed information on the TMDL stream segments and their watersheds, an interactive GIS map was developed as a part of the website. This interactive mapping technology allows individuals to zoom in to the area they are interested in and print out maps. The website also included access to a 10-minute video and slide presentation that explains the implementation plan development process and provides online feedback thus creating a virtual stakeholder public meeting and involvement process. This video resource was made available from May 3, 2004 to August 3, 2004. During this three month period a total of 129 visitors accessed the virtual public meeting. It was confirmed that public libraries in the area have high speed internet access and that the virtual public meeting could be viewed on computers at any public library in the metro Atlanta area.

The next step in this process involved holding 4 initial public meetings in May 2004 to educate stakeholders about this process and solicit input. A total of 43 persons attended the public meetings.

Methods used to inform the general public about the implementation plan development process and the public meetings include: having major environmental groups send out meeting notices in their electronic newsletters, distributing press releases, purchasing newspaper advertising space, sending out numerous e-mails announcing the initial meetings and finally mailing out 3500 meeting announcements to local groups (home owner associations, watershed alliances, etc.), businesses, large landowners, elected officials, Chambers of Commerce, Parks & Recreation Departments, NRCS, and the National Park Service.

After input had been received from our local government advisory group and stakeholders a draft implementation plan was developed. This draft document was made available to all stakeholders for discussion and input at the 4 public meetings held in June 2004. A total of 37 persons attended the public meetings.

List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

Table 4. COMMITTEE MEMBERS

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
Georgia Soil and Water Conservation Commission	1500 Klondike Road Suite A109	Conyers	GA	30094	770-761-3020	kshahlaee@gaswcc.org
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works	1580 Roadhaven Drive	Stone Mountain	GA	30083		
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
DeKalb County Health Department	PO Box 987	Decatur	GA	30031		
NRCS (Marietta, GA Office)	678 South Cobb Drive, Suite 150	Marietta	GA	30060	770-792-0647	
City of Atlanta Office of the Mayor	55 Trinity Avenue Suite 2400	Atlanta	GA	30303	404-330-6100	sfranklin@atlantaga.gov
City of Atlanta Department of Watershed Management	55 Trinity Avenue Suite 5400	Atlanta	GA	30303	404-330-6081	rhunter@atlantaga.gov
City of Atlanta Department of Planning, Atlanta Planning & Advisory Board	55 Trinity Avenue, Suite 1450	Atlanta	GA	30303		
Metropolitan North Georgia Water Planning District	40 Courtland Street, NE	Atlanta	GA	30303	404-463-3260	

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

Table 5. MANAGEMENT MEASURES AND ACTIVITIES

MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/ IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
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TMDL Implementation Plan for Peavine Creek
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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.	DeKalb County Water / Wastewater Revenue	In-Progress	09/1997	Moderate
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	Storm Water Revenue	In-progress	1998	Very
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) and manhole rehabilitation.	DeKalb County Water / Wastewater Revenue	Ongoing	1996	Very
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.	DeKalb County Water / Wastewater Revenue	Ongoing	2001	To Be Determined
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.	DeKalb County Board of Health	Enforced	June 30, 1980	Moderate
NPDES Phase I Permit GAS000100	City of Atlanta	MS4 Permit: The State of GA has issued the City of Atlanta with a permit to operate the City's Municipal Separate Storm Sewer System (MS4). Major aspects of the permit include public education, illicit discharge detection and elimination, source identification activities, water sampling and reporting.		Enforced	6/15/1994	Very
City of Atlanta Stormwater Management Ordinance	City of Atlanta	Ordinance to address stormwater management and nonpoint source pollution		Enforced	1993	Very
Illicit Discharge Ordinance	City of Atlanta	Ordinance to address illicit discharge and illegal dumping into the MS4 system.		Enforced	1996	Very
Erosion and Sedimentation Control Ordinance	City of Atlanta	Ordinance to address erosion and sedimentation occurring at constructions site that limits sediment from entering the sewer system.		Enforced	1996	Very
Riparian Buffer Protection Ordinance	City of Atlanta	Ordinance that protects 75 feet from the top of bank on a perennial and intermittent stream.		Enforced	1999	Very
Floodplain Protection Ordinance	City of Atlanta	Ordinance that protects floodplains in the City from being developed.		Enforced	1985	Very
Sanitary Sewer Evaluation System	City of Atlanta	Inspection program evaluates the condition of every manhole and pipe (smoke test, tv, and radar). Assessing easements for problems		In progress	1998	Very

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CMOM Program	City of Atlanta	The required CMOM (Capacity Management, Operations & Maintenance) program includes the following: Collection and Transmission Systems Contingency and Emergency Response Plan; Short-Term Operation Plan; Maintenance Management System Plan; Pump Station Evaluations; Grease Management Program; Sewer Mapping Program; Safety Program; Training Program; Capacity Certification Program; and Long-Term Operation Plan.		In progress	1999	Moderate
Grease Trap Inspection Program	City of Atlanta	Inspection of grease traps		In progress	1999	Very
BMP Program	City of Atlanta	Through development ordinance ensures that BMPs are properly selected and maintained for non point source pollution prevention.		Enforced	1995	Very
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	As a part of this watershed management plan MS4 Phase I and Phase II communities will be required to adopt the following ordinances: Post Development Storm Water Management for New Development and Redevelopment, Illicit Discharge and Illegal Connection, and Stream Buffer Protection. As well as establishing municipal Good Housekeeping Practices.	Local Funds	Ongoing	2004 & 2005	Very
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local wastewater systems will implement a policy on private wastewater systems, develop interim decentralized system plans with concept of merging into larger systems, a grease management program, and numerous sewer system programs (mapping, maintenance programs, Rehab identification and construction program and capacity certification program).	Local Funds	Ongoing	2005	Very

VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

Table 6. MONITORING PLAN

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	
FC	Georgia EPD, Water Protection Branch or local government	Recommended	2004	2005	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia
FC	DeKalb County Water & Sewer Division	Current	2001	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1992	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1970	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Proposed	2003	Ongoing	Stream Surveys - Quarterly stream walks to identify potential illicit discharges, areas of degradation, and other potential water quality problems.
FC	City of Atlanta Long-term Water Quality Monitoring Program with USGS	Current	2002	Ongoing	The purpose is to collect data needed to assess stream improvements and any pollution reduction that can be attributed to the Clean Water Atlanta (CWA) program.
FC	City of Atlanta	Current	1995	Ongoing	NPDES MS4 Program Dry weather screening
FC	City of Atlanta	Current	1995	Ongoing	NPDES MS4 Program Fecal Coliform Monitoring
FC	City of Atlanta	Current	1995	Ongoing	Industrial Pretreatment Program

VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities, which will be conducted to support this plan and the implementation of it.

Table 7. PLANNED OUTREACH

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
DeKalb County Roads & Drainage Division	Storm drain stenciling program	General public (residential /commercial/industrial)	Ongoing (1999)
DeKalb County Roads & Drainage Division	Educational brochures	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: http://dklbweb.dekalbga.org/watersewer	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	Middle school students	Ongoing (2003)
City of Atlanta	Stenciling program	General Public	Ongoing
City of Atlanta	Utility bill inserts	General Public	Ongoing
City of Atlanta	Great American Cleanup	General Public	Ongoing
City of Atlanta	Clean Water Campaign	General Public	Ongoing
City of Atlanta	Community watershed workshops	General Public	Ongoing
City of Atlanta	Stream clean ups	General Public	Ongoing (1998)
City of Atlanta	Adopt-A-Stream	General Public	Ongoing
City of Atlanta	Citizens participation program	General Public	Ongoing
City of Atlanta	Project WET	General Public	Ongoing
City of Atlanta	Website: www.cleanwateratlanta.org	General Public	Ongoing
City of Atlanta	Website: www.atlantapublicworks.org	General Public	Ongoing
City of Atlanta	Programming on City Channel 26	General Public	Ongoing
City of Atlanta	Neighborhood Planning Unit presentations	General Public	Ongoing
Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local Governments will participate in a regional public education program such as the Clean Water Campaign, or establish its own program. The program must address water quality issues and the promotion of water conservation.	General Public	2004

IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

- Accomplishment of management practices or activities - outreach activities
- Installation of BMPs

to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

Table 8. MILESTONES

MANAGEMENT MEASURE	RESPONSIBLE ORGANIZATIONS	STATUS		COMMENT
		PROPOSED	INSTALLED	
Phase I MS4 Municipal Stormwater Permit	DeKalb County	1997	Ongoing	Annual Reports submitted to EPD

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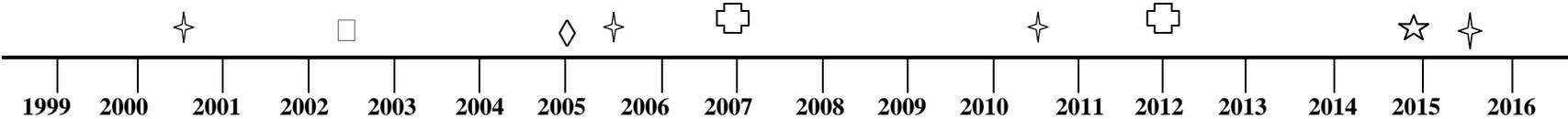
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Inspections of Industrial / commercial sites for spill prevention and control
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Outfall screenings for illicit connections
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	2000	Ongoing	Implementation of Storm Water Management Design Manual to provide BMPs for development sites
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2002	Ongoing	Passage of ordinance modifications
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Implementation of conservation zoning
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Increase level of site inspections for compliance with erosion and sediment control requirements
Point Source Pollution Control	DeKalb County Water & Sewer	2005	2010	Projects initiated and/or completed for design and construction
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1999	Ongoing	Number of inspections completed;
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1996	Ongoing	Miles of sewer line mapped and cleaned
Restoration and Retrofit Programs	DeKalb County government	2001	Ongoing	Number of projects or linear feet of prairie grass planted;
Restoration and Retrofit Programs	DeKalb County government	2005	Ongoing	Number of projects identified through feasibility studies, and then designed and constructed
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	1980	Ongoing	Continue the process of reviewing the installation of septic systems as a part of the development review process
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	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.
NPDES Phase I Permit GAS000100	City of Atlanta	6/95	Ongoing	Refer to Annual Report to GA EPD
City of Atlanta Stormwater Management Ordinance	City of Atlanta	1993	Ongoing	Plan review and field inspections (Inspections are performed on all construction activities within the City of Atlanta through the issuance of a building permit)
Illicit Discharge Ordinance	City of Atlanta	1996	Ongoing	Illicit discharge investigations (inspection forms are included in annual NPDES report)
Erosion and Sedimentation Control Ordinance	City of Atlanta	1996	Ongoing	Erosion and sedimentation investigations (inspection forms and violations are filed and recorded electronically within the Department of Watershed Management)
Riparian Buffer Protection Ordinance	City of Atlanta	1999	Ongoing	Riparian buffer investigations and variances (Variance applications are filed and keep on record by the Department of Planning and Watershed Management)
Floodplain Protection Ordinance	City of Atlanta	1985	Ongoing	Floodplain determinates and permits
Sanitary Sewer Evaluation System	City of Atlanta	1998	2010	Inspections (Investigations are recorded by city and field reports; they are recorded by the Department of Watershed Management under guise of the consent decree)
CMOM Program	City of Atlanta	1999	Ongoing	Inspections and maintenance
Grease Trap Inspection Program	City of Atlanta	1999	Ongoing	Inspections and permits (Inspection forms and corrective action requests are filed and recorded by the Department of Watershed Management)
BMP Program	City of Atlanta	1995	Ongoing	Plan review and field inspection

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District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2004 & 2005	Refer to the District-wide Watershed Management Plan
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2005	Refer to the Long-Term Wastewater Management Plan

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 Georgia EPD.



- Scheduled EPD basin Group Monitoring ✦
- TMDL Completed □
- TMDL Implementation Plan Accepted ◇
- Evaluation of implementation plan/water quality improvement ⊕
- Project Attainment ☆

Prepared By:	Matt Harper		
Agency:	Atlanta Regional Commission		
Address:	40 Courtland Street, NE		
City:	Atlanta	ST:	GA ZIP: 30303
E-mail:	mharper@atlantaregional.com		
Date Submitted to EPD:	August 30, 2004	Revision:	#1

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APPENDIX A
STAKEHOLDERS

List the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
Andrea Pinabell / Stormwater Management Inc.	430 Lindbergh Drive #F3	Atlanta	GA	30305	404-846-5785	andreap@stormwaterinc.com
Ben R. Jordan / The Coca-Cola Company	P.O. Box 1734	Atlanta	GA	30301		bjordan@na.ko.com
Bruce W. Thurlby / Archaea Solutions, Inc.	100 Lloyd Avenue, Suite D	Tyrone	GA	30290	770-487-5303	bruce.thurlby@archaseasolutions.com
Bryan Barrett / USDA	355 East Hancock Ave	Athens	GA	30601	706-546-2039	bryan.barrett@ga.usda.gov
Buddy Belflower / USDA/NRCS	734 Crescent Dr	Gainesville	GA	30501	770-536-6981	buddy.belflower@ga.usda.gov
Chad Knudsen / Ecological Solutions					770-998-7848	chadknudsen@ecologicalsolutions.net
Chrissy Marlowe / GA DCA	225 West Broad St.	Athens	GA	30601	706-425-3077	cmarlowe@dca.state.ga.us
Chuck Budinger / Corporate Env. Risk Management	2116 Monroe Drive, Suite 110	Atlanta	GA	30324	678-999-0173	cbudinger@cerm.com
David Smith	740 Hunterhill Court	Roswell	GA	30075	770-641-3096	davidsmith@ecologicalsolutions.net
David Smith / Ecological Solutions	630 Colonial Park Drive, Suite 200	Roswell	GA	30075	770-998-7848	davidsmith@ecologicalsolutions.net
Duncan Cottrell / Adopt-A-Stream Coordinator / Upper Etowah River Alliance					770-735-2778	duncancottrell@yahoo.com
Geneva Nelson / Foundation for Global Community	899 Chippendale Lane	Norcross	GA	30093	770-564-2730	genevaan@yahoo.com
Jason Barringer	2446 Fallview Terrace	East Point	GA	30344		forrain2@hotmail.com
Kevin Johnson / The Trust for Public Land	1447 Peachtree Street Suite 601	Atlanta	GA	30309	404.873.7306	kevin.johnson@tpl.org
Kimberly Ajy / Jordan Jones and Goulding	6801 Governors Lake Parkway	Norcross	GA	30071	6783330232	kajy@jyg.com
Linda MacGregor / McKenzie MacGregor Incorporated	3455 Lawrenceville Suwanee Road, Suite A	Suwanee	GA	30024	678-546-9450	lmacgregor@mckmacg.com
Max Walker	941 Pine Roc Drive	Stone Mountain	GA	30083	770/469/4786	MAXWALKER@mindspring.com
Rose Mary Seymour / UGA - Griffin Campus	1109 Experiment St	Griffin	GA	30223	770 229-3214	rseymour@griffin.uga.edu
Anne Marie Hoffman	1037 Colquitt Avenue, #12	Atlanta	GA		404-588-9980	
Glen Behrend	1771 Defoor Avenue, Unit F	Atlanta	GA	30318	404-603-9960	gbehrend@att.net

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Graham Anthony	9575 Marsh Cove Court	Atlanta	GA	30350	770-643-8286	gha2@mac.com
JP Bertulfo	3504 Sexton Woods Dr	ATLANTA	GA	30341	206-309-0864	JBERTULF@HSC.USF.EDU
Ken Johnson	457 Overbrook Drive, NW	Atlanta	GA	30318	404-351-4652	
Nancy Rinzler	225 Northland Ridge Trail	Atlanta	GA	30342	404 255 8081	nancyrinzler@earthlink.net
Alice Champagne / Upper Chattahoochee Riverkeeper	916 Joseph Lowery Blvd	Atlanta	GA	30318	404-352-9828	achampagne@ucriverkeeper.org
Allison Cohen / Emory University	Emory University	Atlanta	GA	30322		
Dieter Franz	3653 N. Stratford Road				404-261-8697	cdfranz@comcast.net
Janie Dewald Bailey	60 North River Road	McDonough	GA	30252-8711		JPDBailey@juno.com
Steve Boudreaux	P.O. Box 36	Pine Lake	GA	30072		steveboudreaux@yahoo.com
City of Decatur	2635 Talley Street	Decatur	GA	30030	404-377-6198	

APPENDIX B
UPDATES TO THIS PLAN

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.

South Fork Peachtree Creek

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
South Fork Peachtree Creek	Atlanta (Fulton Co.)	15 miles / 19,145 acres	Fishing	NS

III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) and 200 per 100 ml (geometric mean May-Oct)	Urban Runoff (UR)	99%

IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
- Field surveys
- Review of land cover data
- Evaluation of sources

A meeting was held in March 2004 with local city and county staff to review the TMDL segment and discuss potential sources of pollution. In May 2004 public meetings were held to solicit general stakeholder involvement. Large presentation size maps using 2003 aerial imagery were developed for the public meetings as a tool to help locate sources. The stakeholders were asked for their input on any potential sources of pollution in the area. In addition to reviewing aerial imagery ARC staff will review the most recent landuse data available (year 2001) for the area and will be updating the watershed description found in the TMDLs. This process involved first verifying that the correct watershed was used in the development of the TMDL. ARC staff has updated watershed delineations and will provide the updated watershed boundaries to GA EPD.

In addition to the efforts stated above DeKalb County as a part of their Compliance and Infrastructure Program routinely performs inspections of aerial and buried sewer line crossings. DeKalb County also performs routine walks of sewer outfalls, 12 inches or greater, along creeks banks for I/I related problems.

In addition to the efforts stated above the City of Atlanta has chosen to include the sections listed below as a part of the City’s greenway acquisition program (inside the City of Atlanta limits). All stream segments that the City acquires will be walked annually and some maintenance will be performed as needed.

Priority 1 Stream segments

Stream	Begin	End
South Fork Peachtree	0.4 mi. downstream of Stone Mtn. Freeway	Stone Mtn. Freeway (2nd crossing)
South Fork Peachtree	Valley Brook Rd.	S. Fork Peachtree Nature Preserve
South Fork Peachtree	Lenox Rd.	Cheshire Bridge Rd.

To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The *SOURCES SHOULD BE RANKED*** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed affected, the stream miles affected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Fecal Coliform	Urban Runoff	Entire Segment	Large	Nonpoint source / stormwater runoff
Fecal Coliform	SSOs	Sporadic	Small	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures
Fecal Coliform	Animal wastes	Entire Segment	Small	Nonpoint source - pets and wildlife
Fecal Coliform	Septic tank systems	Sporadic	Negligible	Leaking / runoff from failing septic tank systems, including faulty drain fields
Fecal Coliform	Illicit connections	Sporadic	Negligible	Improper connections of sanitary sewer flows to the storm drain system

V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities, which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

As a first step an initial meeting was held in March 2004 with local government agencies to determine possible sources of pollution as well as any preventative / corrective measures in place or planned for the area. The local government agencies in the advisory group for this segment are listed in Table 4.

The most important part of developing these implementation plans is locating stakeholders in this area. ARC staff searched for stakeholders listed on existing mailing lists (Home Owner Associations, Adopt-A-Stream, Watershed Alliance groups, etc.) to invite to the public meetings. The staff also gathered tax assessment information on landowners who owned more than 50 acres in the county. These stakeholders were considered large landowners and included public, private, and commercial types of property. Businesses listed on EPA's Enforcement & Compliance History Online (ECHO) website (www.epa.gov/echo) that were located in the area were also invited to the public meetings. A list of elected officials, chambers of commerce, parks & recreation departments, NRCS, GA Soil & Water Conservation Commission, and National Park Service representatives were also invited to the public meetings. ARC staff also included schools, libraries, and large apartment complexes in the public meeting mailing list.

The next outreach activity was to develop a website for this project (www.atlantaregional.com/cleanerstreams). The website provided a variety of information and access opportunities for the TMDL Implementation Plan process. The website identified the local government participants, provided a list and map of the TMDL stream segments. The TMDL documents, the 303(d) list and other background information was available on this website. An online sign-up and feed-back form was included on the website so that people could sign up to be a stakeholder. These stakeholder names and other stakeholders can be found in Appendix A. In an effort to provide further detailed information on the TMDL stream segments and their watersheds, an interactive GIS map was developed as a part of the website. This interactive mapping technology allows individuals to zoom in to the area they are interested in and print out maps. The website also included access to a 10-minute video and slide presentation that explains the implementation plan development process and provides online feedback thus creating a virtual stakeholder public meeting and involvement process. This video resource was made available from May 3, 2004 to August 3, 2004. During this three month period a total of 129 visitors accessed the virtual public meeting. It was confirmed that public libraries in the area have high speed internet access and that the virtual public meeting could be viewed on computers at any public library in the metro Atlanta area.

The next step in this process involved holding 4 initial public meetings in May 2004 to educate stakeholders about this process and solicit input. A total of 43 persons attended the public meetings.

Methods used to inform the general public about the implementation plan development process and the public meetings include: having major environmental groups send out meeting notices in their electronic newsletters, distributing press releases, purchasing newspaper advertising space, sending out numerous e-mails announcing the initial meetings and finally mailing out 3500 meeting announcements to local groups (home owner associations, watershed alliances, etc.), businesses, large landowners, elected officials, Chambers of Commerce, Parks & Recreation Departments, NRCS, and the National Park Service.

After input had been received from our local government advisory group and stakeholders a draft implementation plan was developed. This draft document was made available to all stakeholders for discussion and input at the 4 public meetings held in June 2004. A total of 37 persons attended the public meetings.

List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

Table 4. COMMITTEE MEMBERS

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
GA Adopt-A-Stream	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1636	
Georgia Soil and Water Conservation Commission	1500 Klondike Road Suite A109	Conyers	GA	30094	770-761-3020	kshahlaee@gaswcc.org
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works	1580 Roadhaven Drive	Stone Mountain	GA	30083		
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
DeKalb County Health Department	PO Box 987	Decatur	GA	30031		
NRCS (Marietta, GA Office)	678 South Cobb Drive, Suite 150	Marietta	GA	30060	770-792-0647	
City of Atlanta Office of the Mayor	55 Trinity Avenue Suite 2400	Atlanta	GA	30303	404-330-6100	sfranklin@atlantaga.gov
City of Atlanta Department of Watershed Management	55 Trinity Avenue Suite 5400	Atlanta	GA	30303	404-330-6081	rhunter@atlantaga.gov
City of Atlanta Department of Planning, Atlanta Planning & Advisory Board	55 Trinity Avenue, Suite 1450	Atlanta	GA	30303		
Metropolitan North Georgia Water Planning District	40 Courtland Street, NE	Atlanta	GA	30303	404-463-3260	

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

Table 5. MANAGEMENT MEASURES AND ACTIVITIES

MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/ IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
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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.	DeKalb County Water / Wastewater Revenue	In-Progress	09/1997	Moderate
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	Ordinance to address storm water runoff, nonpoint source pollution controls.	Storm Water Revenue	In-progress	1998	Very
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) and manhole rehabilitation.	DeKalb County Water / Wastewater Revenue	Ongoing	1996	Very
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.	DeKalb County Water / Wastewater Revenue	Ongoing	2001	To Be Determined
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.	DeKalb County Board of Health	Enforced	June 30, 1980	Moderate
NPDES Phase I Permit GAS000100	City of Atlanta	MS4 Permit: The State of GA has issued the City of Atlanta with a permit to operate the City's Municipal Separate Storm Sewer System (MS4). Major aspects of the permit include public education, illicit discharge detection and elimination, source identification activities, water sampling and reporting.		Enforced	6/15/1994	Very
City of Atlanta Stormwater Management Ordinance	City of Atlanta	Ordinance to address stormwater management and nonpoint source pollution		Enforced	1993	Very
Illicit Discharge Ordinance	City of Atlanta	Ordinance to address illicit discharge and illegal dumping into the MS4 system.		Enforced	1996	Very
Erosion and Sedimentation Control Ordinance	City of Atlanta	Ordinance to address erosion and sedimentation occurring at constructions site that limits sediment from entering the sewer system.		Enforced	1996	Very
Riparian Buffer Protection Ordinance	City of Atlanta	Ordinance that protects 75 feet from the top of bank on a perennial and intermittent stream.		Enforced	1999	Very
Floodplain Protection Ordinance	City of Atlanta	Ordinance that protects floodplains in the City from being developed.		Enforced	1985	Very
Sanitary Sewer Evaluation System	City of Atlanta	Inspection program evaluates the condition of every manhole and pipe (smoke test, tv, and radar). Assessing easements for problems		In progress	1998	Very

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CMOM Program	City of Atlanta	The required CMOM (Capacity Management, Operations & Maintenance) program includes the following: Collection and Transmission Systems Contingency and Emergency Response Plan; Short-Term Operation Plan; Maintenance Management System Plan; Pump Station Evaluations; Grease Management Program; Sewer Mapping Program; Safety Program; Training Program; Capacity Certification Program; and Long-Term Operation Plan.		In progress	1999	Moderate
Grease Trap Inspection Program	City of Atlanta	Inspection of grease traps		In progress	1999	Very
BMP Program	City of Atlanta	Through development ordinance ensures that BMPs are properly selected and maintained for non point source pollution prevention.		Enforced	1995	Very
District-Wide Watershed Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	As a part of this watershed management plan MS4 Phase I and Phase II communities will be required to adopt the following ordinances: Post Development Storm Water Management for New Development and Redevelopment, Illicit Discharge and Illegal Connection, and Stream Buffer Protection. As well as establishing municipal Good Housekeeping Practices.	Local Funds	Ongoing	2004 & 2005	Very
Long-Term Wastewater Management Plan	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local wastewater systems will implement a policy on private wastewater systems, develop interim decentralized system plans with concept of merging into larger systems, a grease management program, and numerous sewer system programs (mapping, maintenance programs, Rehab identification and construction program and capacity certification program).	Local Funds	Ongoing	2005	Very

VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

Table 6. MONITORING PLAN

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	
FC	Georgia EPD, Water Protection Branch or local government	Recommended	2004	2005	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia
FC	DeKalb County Water & Sewer Division	Current	2001	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1992	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Current	1970	Ongoing	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.
FC	DeKalb County Water & Sewer Division	Proposed	2003	Ongoing	Stream Surveys - Quarterly stream walks to identify potential illicit discharges, areas of degradation, and other potential water quality problems.
FC	City of Atlanta Long-term Water Quality Monitoring Program with USGS	Current	2002	Ongoing	The purpose is to collect data needed to assess stream improvements and any pollution reduction that can be attributed to the Clean Water Atlanta (CWA) program.
FC	City of Atlanta	Current	1995	Ongoing	NPDES MS4 Program Dry weather screening
FC	City of Atlanta	Current	1995	Ongoing	NPDES MS4 Program Fecal Coliform Monitoring
FC	City of Atlanta	Current	1995	Ongoing	Industrial Pretreatment Program

VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities, which will be conducted to support this plan and the implementation of it.

Table 7. PLANNED OUTREACH

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
DeKalb County Roads & Drainage Division	Storm drain stenciling program	General public (residential /commercial/industrial)	Ongoing (1999)
DeKalb County Roads & Drainage Division	Educational brochures	General public (residential/commercial/industrial)	Ongoing (1999)
DeKalb County / Atlanta Regional Commission	Clean Water Campaign	General public	Ongoing (2000)
DeKalb County Keep DeKalb Clean Office	Clean Up campaigns; Adopt-A-Stream	General public	Ongoing (2002)
DeKalb County Water & Sewer Division	Utility bill inserts: septic tank maintenance, nonpoint source pollution control; pet wastes	General public	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters newsletters	General public	Ongoing (2001)
DeKalb County Water & Sewer Division	Web site: http://dklbweb.dekalbga.org/watersewer	General public (residential/commercial/industrial); teachers; students	Ongoing (2000)
DeKalb County Water & Sewer Division	WaterMatters poster contest	Grade school students	Ongoing (2003)
DeKalb County Water & Sewer Division	Web search and poster/collage	Middle school students	Ongoing (2003)
City of Atlanta	Stenciling program	General Public	Ongoing
City of Atlanta	Utility bill inserts	General Public	Ongoing
City of Atlanta	Great American Cleanup	General Public	Ongoing
City of Atlanta	Clean Water Campaign	General Public	Ongoing
City of Atlanta	Community watershed workshops	General Public	Ongoing
City of Atlanta	Stream clean ups	General Public	Ongoing (1998)
City of Atlanta	Adopt-A-Stream	General Public	Ongoing
City of Atlanta	Citizens participation program	General Public	Ongoing
City of Atlanta	Project WET	General Public	Ongoing
City of Atlanta	Website: www.cleanwateratlanta.org	General Public	Ongoing
City of Atlanta	Website: www.atlantapublicworks.org	General Public	Ongoing
City of Atlanta	Programming on City Channel 26	General Public	Ongoing
City of Atlanta	Neighborhood Planning Unit presentations	General Public	Ongoing
Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area	Local Governments will participate in a regional public education program such as the Clean Water Campaign, or establish its own program. The program must address water quality issues and the promotion of water conservation.	General Public	2004

IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

- Accomplishment of management practices or activities - outreach activities
- Installation of BMPs

to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

Table 8. MILESTONES

MANAGEMENT MEASURE	RESPONSIBLE ORGANIZATIONS	STATUS		COMMENT
		PROPOSED	INSTALLED	
Phase I MS4 Municipal Stormwater Permit	DeKalb County	1997	Ongoing	Annual Reports submitted to EPD

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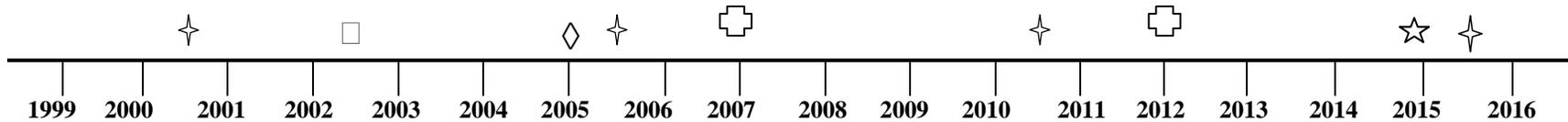
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Inspections of Industrial / commercial sites for spill prevention and control
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	1994	Ongoing	Outfall screenings for illicit connections
DeKalb County Storm Water Ordinance	DeKalb County Roads & Drainage	2000	Ongoing	Implementation of Storm Water Management Design Manual to provide BMPs for development sites
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2002	Ongoing	Passage of ordinance modifications
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Implementation of conservation zoning
Land Development Ordinance (Chapter 14, DeKalb County Code)	DeKalb County government	2003	Ongoing	Increase level of site inspections for compliance with erosion and sediment control requirements
Point Source Pollution Control	DeKalb County Water & Sewer	2005	2010	Projects initiated and/or completed for design and construction
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1999	Ongoing	Number of inspections completed;
Sanitary Sewer Maintenance Program	DeKalb County Water & Sewer	1996	Ongoing	Miles of sewer line mapped and cleaned
Restoration and Retrofit Programs	DeKalb County government	2001	Ongoing	Number of projects or linear feet of prairie grass planted;
Restoration and Retrofit Programs	DeKalb County government	2005	Ongoing	Number of projects identified through feasibility studies, and then designed and constructed
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	1980	Ongoing	Continue the process of reviewing the installation of septic systems as a part of the development review process
IAW O.C.G.A. 290-5-26	DeKalb County Board of Health.	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.
NPDES Phase I Permit GAS000100	City of Atlanta	6/95	Ongoing	Refer to Annual Report to GA EPD
City of Atlanta Stormwater Management Ordinance	City of Atlanta	1993	Ongoing	Plan review and field inspections (Inspections are performed on all construction activities within the City of Atlanta through the issuance of a building permit)
Illicit Discharge Ordinance	City of Atlanta	1996	Ongoing	Illicit discharge investigations (inspection forms are included in annual NPDES report)
Erosion and Sedimentation Control Ordinance	City of Atlanta	1996	Ongoing	Erosion and sedimentation investigations (inspection forms and violations are filed and recorded electronically within the Department of Watershed Management)
Riparian Buffer Protection Ordinance	City of Atlanta	1999	Ongoing	Riparian buffer investigations and variances (Variance applications are filed and keep on record by the Department of Planning and Watershed Management)
Floodplain Protection Ordinance	City of Atlanta	1985	Ongoing	Floodplain determinates and permits
Sanitary Sewer Evaluation System	City of Atlanta	1998	2010	Inspections (Investigations are recorded by city and field reports; they are recorded by the Department of Watershed Management under guise of the consent decree)
CMOM Program	City of Atlanta	1999	Ongoing	Inspections and maintenance
Grease Trap Inspection Program	City of Atlanta	1999	Ongoing	Inspections and permits (Inspection forms and corrective action requests are filed and recorded by the Department of Watershed Management)

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BMP Program		City of Atlanta	1995	Ongoing	Plan review and field inspection
District-Wide Management Plan	Watershed	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2004 & 2005	Refer to the District-wide Watershed Management Plan
Long-Term Management Plan	Wastewater	Metropolitan North Georgia Water Planning District and Local Governments in 16 county District Area		2005	Refer to the Long-Term Wastewater Management Plan

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 Georgia EPD.



- Scheduled EPD basin Group Monitoring 
- TMDL Completed 
- TMDL Implementation Plan Accepted 
- Evaluation of implementation plan/water quality improvement 
- Project Attainment 

Prepared By:	Matt Harper		
Agency:	Atlanta Regional Commission		
Address:	40 Courtland Street, NE		
City:	Atlanta	ST: GA	ZIP: 30303
E-mail:	mharper@atlantaregional.com		
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APPENDIX A
STAKEHOLDERS

List the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
City of Avondale Estates	21 North Avondale Place	Avondale	GA	30002	404-294-5400	
Anne Marie Hoffman	1037 Colquitt Avenue, #12	Atlanta	GA		404-588-9980	
Ilen Behrend	1771 Defoor Avenue, Unit F	Atlanta	GA	30318	404-603-9960	gbehrend@att.net
Graham Anthony	9575 Marsh Cove Court	Atlanta	GA	30350	770-643-8286	gha2@mac.com
JP Bertulfo	3504 Sexton Woods Dr	ATLANTA	GA	30341	206-309-0864	JBERTULF@HSC.USF.EDU
Ken Johnson	457 Overbrook Drive, NW	Atlanta	GA	30318	404-351-4652	
Nancy Rinzler	225 Northland Ridge Trail	Atlanta	GA	30342	404 255 8081	nancyrinzler@earthlink.net
Andrea Pinabell / Stormwater Management Inc.	430 Lindbergh Drive #F3	Atlanta	GA	30305	404-846-5785	andreap@stormwaterinc.com
Ben R. Jordan / The Coca-Cola Company	P.O. Box 1734	Atlanta	GA	30301		bjordan@na.ko.com
Bruce W. Thurlby / Archaea Solutions, Inc.	100 Lloyd Avenue, Suite D	Tyrone	GA	30290	770-487-5303	bruce.thurlby@archaseasolutions.com
Bryan Barrett / USDA	355 East Hancock Ave	Athens	GA	30601	706-546-2039	bryan.barrett@ga.usda.gov
Buddy Belflower / USDA/NRCS	734 Cresent Dr	Gainesville	GA	30501	770-536-6981	buddy.belflower@ga.usda.gov
Chad Knudsen / Ecological Solutions					770-998-7848	chadknudsen@ecologicalsolutions.net
Chrissy Marlowe / GA DCA	225 West Broad St.	Athens	GA	30601	706-425-3077	cmarlowe@dca.state.ga.us
Chuck Budinger / Corporate Env. Risk Management	2116 Monroe Drive, Suite 110	Atlanta	GA	30324	678-999-0173	cbudinger@cerm.com
David Smith	740 Hunterhill Court	Roswell	GA	30075	770-641-3096	davidsmith@ecologicalsolutions.net
David Smith / Ecological Solutions	630 Colonial Park Drive, Suite 200	Roswell	GA	30075	770-998-7848	davidsmith@ecologicalsolutions.net
Duncan Cottrell / Adopt-A-Stream Coordinator / Upper Etowah River Alliance					770-735-2778	duncancottrell@yahoo.com
Geneva Nelson / Foundation for Global Community	899 Chippendale Lane	Norcross	GA	30093	770-564-2730	genevaan@yahoo.com
Jason Barringer	2446 Fallview Terrace	East Point	GA	30344		forrain2@hotmail.com
Kevin Johnson / The Trust for Public Land	1447 Peachtree Street Suite 601	Atlanta	GA	30309	404.873.7306	kevin.johnson@tpl.org

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Kimberly Ajy / Jordan Jones and Goulding	6801 Governors Lake Parkway	Norcross	GA	30071	6783330232	kajy@jig.com
Linda MacGregor / McKenzie MacGregor Incorporated	3455 Lawrenceville Suwanee Road, Suite A	Suwanee	GA	30024	678-546-9450	lmacgregor@mckmacg.com
Max Walker	941 Pine Roc Drive	Stone Mountain	GA	30083	770/469/4786	MAXWALKER@mindspring.com
Rose Mary Seymour / UGA - Griffin Campus	1109 Experiment St	Griffin	GA	30223	770 229-3214	rseymour@griffin.uga.edu
Alice Champagne / Upper Chattahoochee Riverkeeper	916 Joseph Lowery Blvd	Atlanta	GA	30318	404-352-9828	achampagne@ucriverkeeper.org
Ben R. Jordan	124 Mockingbird Lane	Decatur	GA	30030		brjordan@alum.mit.edu
Carol Hayes / Burnt Fork Watershed Alliance	2665 Spicer Lane	Decatur	GA	30033	404-320-9187	cehayes@mindspring.com
Allison Cohen / Emory University	Emory University	Atlanta	GA	30322		
Dieter Franz	3653 N. Stratford Road				404-261-8697	cdf Franz@comcast.net
Janie Dewald Bailey	60 North River Road	McDonough	GA	30252-8711		JPDBailey@juno.com
Steve Boudreaux	P.O. Box 36	Pine Lake	GA	30072		steveboudreaux@yahoo.com
City of Clarkston	3921 Church Street	Clarkston	GA	30021		
City of Decatur	2635 Talley Street	Decatur	GA	30030	404-377-6198	

APPENDIX B

UPDATES TO THIS PLAN

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.

TMDL Watershed Land Cover Matrix (Aggregated ARC Land Cover Categories)

Aggregated Category	Description of Original ARC Categories	ARC Land Cover Code
<i>Commercial</i>	Commercial and Services	12
	Industrial and Commercial Complexes	15
	Intensive Institutional	121
<i>Industrial/Institutional</i>	Industrial	13
<i>Transportation & Utilities</i>	Transportation, Communication & Utilities	14
	Limited Access Highways	145
<i>Agricultural Lands</i>	Agriculture-Cropland and Pasture	21
	Agriculture-Orchards, Vineyards and Nurseries	22
	Agriculture-Confined Feeding Operations	23
	Agriculture-Other	24
<i>Forest / Open Space</i>	Forest	40
	Golf Courses	171
	Cemeteries	172
	Parks	173
<i>Water / Wetlands</i>	Rivers	51
	Reservoirs, Lakes, and Ponds	53
	Wetlands	60
<i>Transitional & Extractive Lands</i>	Other Urban	17
	Bare Exposed Rocks	74
	Quarries, Gravel Pits, and Strip Mined	75
	Transitional Areas	76
<i>Low-Density Residential</i>	Low Density Single Family Residential	111
<i>Medium-Density Residential</i>	Medium Density Single Family Residential	112
<i>High-Density Residential</i>	High Density Residential	113
	Multifamily Residential	117
	Mobile Home Parks	119