

**Snapping Shoals Creek Watershed (HUC10 #0307010303) TMDL
Implementation Plan Narrative
Henry County, Georgia
Rockdale County, Georgia**

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

The Snapping Shoals Creek Watershed (HUC10 #0307010303) is located in the upper portion of the Ocmulgee River Basin in the metro Atlanta area. The local governments with interest in the Section 305(b) / Section 303(d) listed stream segment watersheds in this HUC10 watershed include: Rockdale and Henry Counties and the cities of Conyers and McDonough. The stream segments identified on Georgia Environmental Protection Division's 303(d) list in the Snapping Shoals Creek HUC10 Watershed include: Almand Branch and the South River (Hwy 20 to Snapping Shoals Creek). The 303 (d) listed Almand Branch stream segment begins in the City of Conyers and flows into unincorporated Rockdale County. The South River (Hwy 20 to Snapping Shoals Creek) is located on the Henry / Newton County boundary.

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

For each waterbody on the 303(d) list, the U.S. Clean Water Act requires a TMDL be developed for each pollutant. A TMDL is a calculation of the maximum amount of a pollutant, from both point and non-point sources that a waterbody can receive and still meet water quality standards. The U.S. EPA developed a TMDL for these stream segments in February 2002 that shows a reduction in fecal coliform levels is needed. The required reductions in Fecal Coliform loads are as follows: 79% for Almand Branch and 75% for South River.

Staff from Henry County Planning & Zoning and the Rockdale County Water Resources helped to identify the potential sources of pollution in these segment watersheds. The following potential pollution sources were identified for both segments: urban runoff, leaking/failing septic systems, animal waste, and SSOs. The Almand Branch segment has NPDES permitted facilities in the watershed, so in addition to the previously stated potential sources, point source pollution from these facilities could be a potential source. Illicit connections were also identified as potential pollutant sources for the South River stream segment.

This implementation plan was developed with the help of representatives from Rockdale County Water Resources, Rockdale County Department of Public Services and Engineering, Henry County Planning & Zoning, Henry County Water & Sewerage Authority and the cities of

Conyers and McDonough. The Atlanta Regional Commission coordinated the public meetings and the input received from local stakeholders and technical advisory staff. Newton County does not lie in the Atlanta Regional Commission's service area and was not included in this TMDL Implementation Plan. The Northeast Georgia Regional Development Center contains Newton County in its service area. Input from local government and stakeholders within Newton County addresses impairment of the South River and Snapping Shoals Creek due to fecal coliform in a separate TMDL Implementation Plan prepared by the Northeast Georgia RDC. Stakeholders were identified in this plan with the input of local governments and by searching the county's tax records to determine large landowners. We also used the U.S. EPA's Enforcement and Compliance History Online (ECHO) website to search for large industries in the watershed. Other stakeholders listed in the plan were included because of their interest in the affected watershed at either the December, January, May, or June public meetings. The stream segment in Rockdale County was discussed at an initial December 2002 meeting to educate stakeholders about the TMDL process and to solicit input from local stakeholders. This meeting was followed up with another meeting in January 2003 to discuss the draft implementation plans that were mailed to all the listed stakeholders. The other stream segment found in this HUC10 watershed was discussed at an initial public meeting in May 2003 to educate stakeholders about the TMDL process and to solicit input from local stakeholders. This meeting was followed up with another meeting in June 2003 to discuss the draft implementation plans. Comments and requested revisions to the draft plans have been considered in developing this final draft implementation plan.

The GA EPD will be conducting TMDL monitoring in the Ocmulgee River Basin in 2004. This data will be used to list and possibly delist stream segments. Rockdale County has planned a monitoring program as a part of their NPDES Phase II MS4 Permit, which includes Fecal Coliform.

A portion of the Henry and Rockdale Counties' and the affected cities' management measures are based on their NPDES Phase II Municipal Separate Storm Sewer System (MS4) Permit requirements. Other management measures included in the plan are voluntary such as Henry County's comprehensive inventory/mapping of the county's stormwater management system and their comprehensive inventory of industries and businesses with stormwater discharges. The Rockdale County Water Resources has an extensive public education / outreach program in place to educate the general public about water quality concerns. The Henry County Government also has an extensive public education / outreach program planned for educating the public about water quality concerns. All of these programs include a range of activities such as educational brochures/bill inserts and activities for schools age students. Henry County also maintains a stormwater website for educational purposes. Henry County also plans to start an Adopt-A-Stream program and storm drain stenciling program.

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

**STATE OF GEORGIA
REVISED TMDL
IMPLEMENTATION PLAN
WATERSHED APPROACH**

Local Watershed Governments
ATLANTA REGIONAL COMMISSION
Rockdale County
Henry County
City of Conyers

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

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

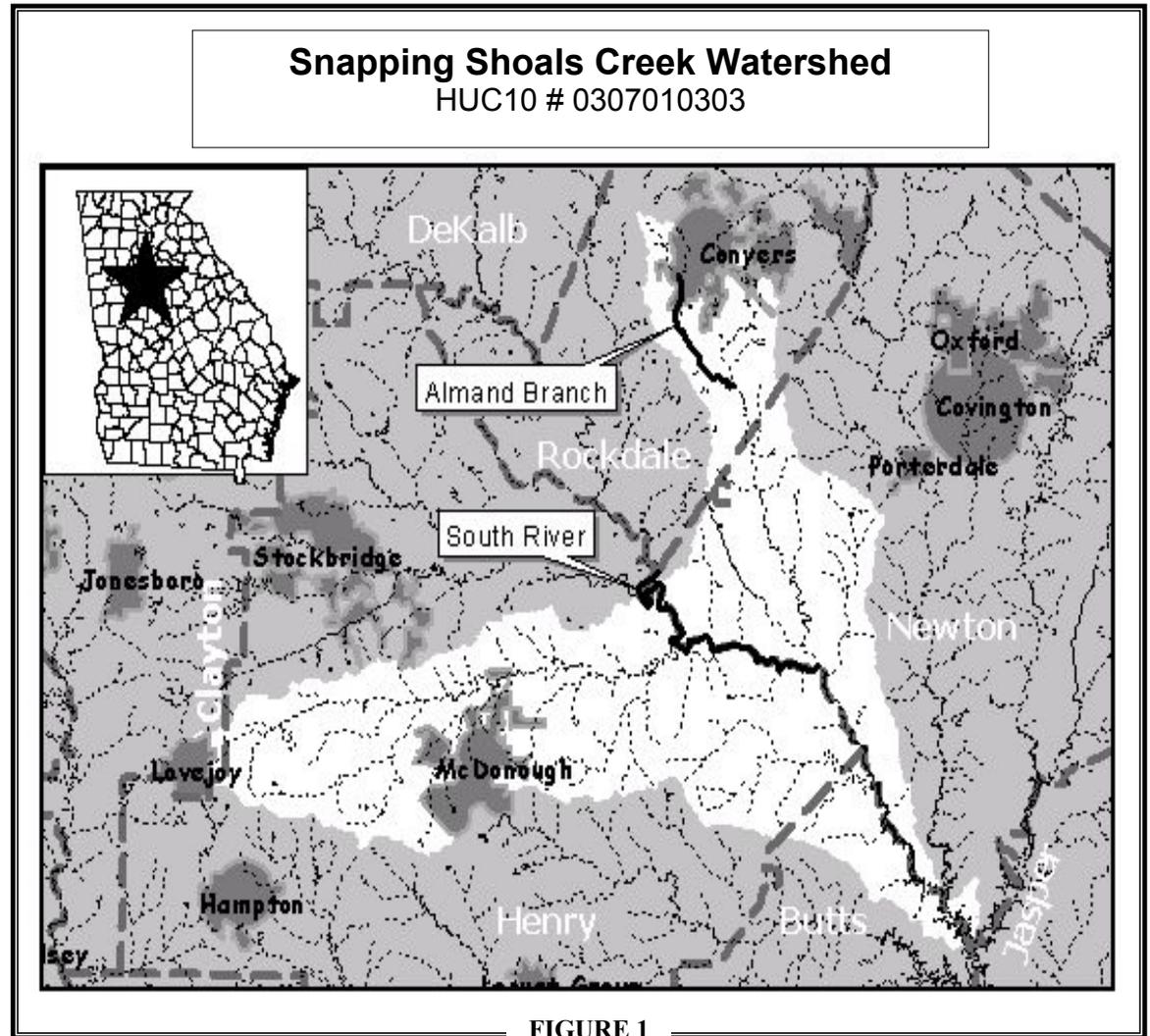


FIGURE 1

Impaired Waterbody*	Impaired Stream Location	Impairment
1. Almand Branch	Tanyard Branch to Snapping Shoals	Fecal Coliform (FC)
2. South River	Hwy 20 to Snapping Shoals Creek	Fecal Coliform (FC)

*These Waterbody Numbers are referenced throughout the Implementation Plan.

Action Plan for Snapping Shoals Creek Watershed

Watershed: Snapping Shoals Creek
HUC10 # 0307010303

POLLUTANT:	SOURCE:	EFFECT:	WHAT CAN I DO?	
			At Home: Community, School	At Work: Business, Government
<input type="checkbox"/> Dissolved Oxygen (DO)	<input type="checkbox"/> Industrial	<input type="checkbox"/> Habitat	- Routine & regular maintenance of septic systems - Properly dispose of pet waste	- Routine & regular maintenance of septic systems - Report sewer leaks or septic tank failure if found
<input checked="" type="checkbox"/> Fecal Coliform (FC)	<input checked="" type="checkbox"/> Urban	<input checked="" type="checkbox"/> Recreation		
<input type="checkbox"/> Sediment	<input type="checkbox"/> Agriculture	<input type="checkbox"/> Drinking Water		
<input type="checkbox"/> Metals	<input type="checkbox"/> Forestry	<input type="checkbox"/> Aesthetics		
<input type="checkbox"/> Fish Consumption Guidelines (FCG)	<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Other (Please List)		
<input type="checkbox"/> Other (Please List)	<input checked="" type="checkbox"/> Other (Please List) Urban Runoff, Rockdale County Almand WPCP, Rockdale County Lake Ridge Estates WPCP, Rockdale County Stanton Woods WPCP, Septic tank systems, Animal wastes, SSOs, Illicit connections			

INFORMATION/EDUCATION/OUTREACH ACTIVITIES

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

Responsible Organization Or Entity	Description	Impacted Waterbodies*	Target Audience	Anticipated Dates (MM/YY)
Rockdale Water Resources	Airing GA EPD's "Watershed Wisdom: Georgia's TMDL Program" video on the county's cable access channel.	1	General Public	Ongoing
Rockdale Water Resources / Rockdale Co. Health Department	Septic Tank Educational Mailer / Bill Insert	1	General Public	Spring 2003
GA Cooperative Extension Service	4-H Environmental Education Program	1	Grades K-12	Ongoing
GA Waterwise Council	The Water Sourcebook (EPA)	1	Grades K-12	Ongoing

Rockdale Water Resources	Development of brochure / bill insert to address the hazards of fecal coliform entering the waterways and affecting public health issues. This will inform the public of the effects of Fecal Coliform bacteria from places like manure piles, boarding facilities, etc.	1	General Public	2004
Rockdale Water Resources	Making available the ACCG "Water Resources: A Toolkit for Local Governments" Educational CD-ROM	1	General Public	Ongoing
Henry County Government	Develop two educational pamphlets on stormwater issues	2	Homeowners, Developers, Businesses	12/03
Henry County Government	Develop or purchase educational materials for outdoor classroom.	2	Children in 5 th grade and their parents	12/03
Henry County Government	Develop quarterly newspaper articles and/or newsletters on the stormwater management program	2	General Public	09/03 – 12/07
Henry County Government	Seek watershed-based solutions to water quality problems through sharing resources, promoting uniformity, and coordinating policies with other governmental jurisdictions within the county and watersheds. This will be accomplished through quarterly meetings beginning in fall 2003.	2	Neighboring Governmental Jurisdiction	09/03 – 12/07
Henry County Government	Henry County Stormwater Website: http://www.co.henry.ga.us/PlanningZoning/StormWater/StormWater.htm	2	General Public	Ongoing
Henry County Government	Adopt-A-Stream	2	General Public	07/06
Henry County Government	Community Stormwater Hotline	2	General Public	12/03
Henry County Government	Awards program for volunteer groups, subdivisions, businesses, builders, and developers for exhibiting exceptional steps toward stormwater/water quality management	2	General Public	10/05
Henry County Government	"Watershed Days" program	2	General Public	11/04
Henry County Government	Storm drain stenciling day in the county - "Adopt-A-Storm Drain" day.	2	General Public	12/04
Henry County Government	Quarterly meetings of the Stormwater Advisory Group	2	Residents, Developers, Environmental Groups, County & City Employees	06/03
Henry County Environmental Health	Septic Tank Maintenance Brochure	2	Homeowners	2002

STAKEHOLDERS

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

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

Name/Organization	Address	City	State	Zip	Phone	E-Mail
GA EPD, Water Protection Branch	4220 International Pkwy, Suite 101	Atlanta	GA	30354	(404) 675-1751	
City of Conyers (Mayor)	1184 Scott St.	Conyers	GA	30012	(770) 929-4226	randy.mills@conyersga.com
City of Conyers Planning & City Services (Director)	1184 Scott St.	Conyers	GA	30012	(770) 929-4281	marvin.flanigan@conyersga.com
Rockdale Co. Board of Commissioners (Chairman)	962 Milstead Ave.	Conyers	GA	30012	(770) 929-4001	jennifer.rutledge@rockdalecounty.org
Rockdale Co. Water Resources (Director)	958 Milstead Ave.	Conyers	GA	30012	(770) 602-4344	Laurie.Ashmore@rockdalecounty.org
Rockdale Co. Public Services and Engineering (Director)	958 Milstead Ave.	Conyers	GA	30012	(770) 785-5919	larry.kaiser@rockdalecounty.org
Rockdale Co. Environmental Health (Joe Farmer)	958 Milstead Ave., Suite 102	Conyers	GA	30012	(770) 785-5948	jmfarmer@ph.dnr.state.ga.us
Rockdale Co. Board of Education (Superintendent)	954 Main Street	Conyers	GA	30012	(770) 860-4211	
Edwards Middle School	2633 Stanton Rd.	Conyers	GA	30094	(770) 483-3255	
Rockdale County Parks and Recreation	PO Box 224	Conyers	GA	30012	(770) 785-5922	linda.evans@rockdalecounty.org
Four A Int. Ltd. (C/O Epstien, Becker, and Green)	Suite 2700 945 E. Paces Ferry	Atlanta	GA	30326		
WD Cabinets, Inc. (Darrell Roberts, Owner)	3020 Orchard Rd.	Conyers	GA	30094	(770) 922-8875	
Tuscarora Plastics, Inc. (Plant Mgr.)	1830 Rockdale Industrial Blvd.	Conyers	GA	30012	(770) 929-3800	
Martha's Vineyard HOA, GA 20 Coalition (Chandler & Gail Schmalz)	2594 Harvest Dr.	Conyers	GA	30013	(770) 483-0084	
South Rockdale Civic Association	3390 Hwy 20 SE	Conyers	GA	30013-2866	(770) 922-7292	einash33@bellsouth.net
Bio-Lab (Environmental Health and Safety Manager)	1739 Dogwood Drive	Conyers	GA	30012	(770) 483-2600	
GA Adopt-A-Stream	4220 International Pkwy, Suite101	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
Henry County Schools (Superintendent)	396 Tomlinson Street	McDonough	GA	30253	770-957-6601	
Henry County Extension Service	86 Work Camp Road	McDonough	GA	30253	770-954-2060	showing@uga.edu
NRCS (McDonough, GA Office)	333 Philips Drive	McDonough	GA	30252	770-957-5705	
Henry County Board of Commissioners	140 Henry Parkway	McDonough	GA	30253	770-954-2405	
Henry County Planning & Zoning (Director)	140 Henry Parkway	McDonough	GA	30253	770-954-2979	dhall@co.henry.ga.us
Henry County Water and Sewerage Authority (Pat Hembree)	1695 Highway 20 West	McDonough	GA	30253	770-957-6659	
City of Stockbridge (City Manager)	4545 North Henry Boulevard	Stockbridge	GA	30281	770-389-7905	
City of McDonough (City Administrator)	136 Keys Ferry Street	McDonough	GA	30253	770-957-3915	
Henry County Environmental Health	137 Henry Parkway	McDonough	GA	30253	(770) 954-2250	gascott@gdph.us.state.ga.com
Clayton County	7960 N. McDonough Street	Jonesboro	GA	30236	770-477-3664	tim.gilliam@co.clayton.ga.us
Clayton County Water Authority	1600 Battle Creek Road	Morrow	GA	30260	678-422-2838	kzimmerman@ccwal.com
Clayton County Board of Health	1380 Southlake Plaza Drive	Morrow	GA	30260	770-961-8399	wjhoward@gdph.state.ga.us
Clayton County Extension Service	1262 Government Circle, Suite 40	Jonesboro	GA	30236	770-473-5438	lgarrett@uga.edu
Clayton County Public Schools (Superintendent)	1058 Fifth Ave.	Jonesboro	GA	30236	770-473-2747	
City of Forest Park	785 Forest Parkway SE	Forest Park	GA	30050		
City of Lake City	5535 North Parkway	Lake City	GA	30260		
City of Morrow	1500 Morrow Road	Morrow	GA	30260		
City of Jonesboro	124 North Avenue	Jonesboro	GA	30236		

Name/Organization	Address	City	State	Zip	Phone	E-Mail
City of Lovejoy	P.O. Box 220	Lovejoy	GA	30250		
City of Atlanta Office of the Mayor	55 Trinity Avenue Suite 2400	Atlanta	GA	30303	404-330-6100	
City of Atlanta Department of Watershed Management	55 Trinity Avenue Suite 5400	Atlanta	GA	30303	404-330-6081	jravan@ci.atlanta.ga.us
City of Atlanta Department of Planning, Atlanta Planning & Advisory Board (Valerie Bell Smith)	55 Trinity Avenue, Suite 1450	Atlanta	GA	30303		
Trust for Public Land	1447 Peachtree Street, NE, Suite 601	Atlanta	GA	30309	404-873-7306	
Fulton County Health Department	99 Jesse Hill, Jr. Dr. SE, Rm 101	Atlanta	GA	30303	404-730-1301	
Atlanta Public Schools (Superintendent)	210 Pryor Street	Atlanta	GA	30303	404-827-8075	superintendent@atlanta.k12.ga.us
Fulton County Extension Service	1757 Washington Rd.	East Point	GA	30344	(404) 762-4077	jbanks@uga.edu
NRCS (Marietta, GA Office)	678 South Cobb Drive, Suite 150	Marietta	GA	30060	770-792-0647	
DeKalb County School System (Superintendent)	3770 North Decatur Road	Decatur	GA	30032	678-676-0010	
NRCS (Lawrenceville, GA Office)	750 South Perry St., Suite 410	Lawrenceville	GA	30045	770-963-9288	
DeKalb County Public Works (Margo Howse)	1580 Roadhaven Drive	Stone Mountain	GA	30083	770-621-7213	mahowse@co.dekalb.ga.us
DeKalb County Extension Service	4380 Memorial Drive	Decatur	GA	30032		
East Lake Heights (Ms. Evelyn Bailey)	1841 Camellia Drive	Decatur	GA	30032		
City of Clarkston (Honorable Lee Swaney)	3921 Church Street	Clarkston	GA	30021		
City of Clarkston (Mr. Bill Adams)	3921 Church Street	Clarkston	GA	30021		
Clayton County Water Authority (Mr. Wade Brannan)	1600 Battle Creek Road	Morrow	GA	30260		
Clayton State College & University (Dr. Helen Brown)	5900 N. Lee Street	Morrow	GA	30260		
City of Stone Mountain (Honorable Gary Peet)	PO Box 454	Stone Mountain	GA	30083		
City of Stone Mountain (Mr. Jim Tavenner)	922 Main Street	Stone Mountain	GA	30083		
Henry County Water and Sewerage Authority (Mr. Lindy Farmer, Jr.)	533 Hampton Road	McDonough	GA	30253		
City of Decatur (Honorable William Floyd)	PO Box 220	Decatur	GA	30031		
City of Decatur (Mr. Miguel Valentine)	2635 Talley Street	Decatur	GA	30030		
City of Pine Lake (Honorable Greg Zarus)	459 Pine Lake Drive	Pine Lake	GA	30072	(404) 292-4250	gaz5@cdc.gov
City of Pine Lake (Ms. Mavis Crossley)	450 Pine Lake Drive	Pine Lake	GA	30072		
City of Lithonia (Honorable Marcia Glenn)	6980 Main St.	Lithonia	GA	30058		
City of Lithonia (City Clerk)	6980 Main Street	Lithonia	GA	30058		
City of Chamblee (Honorable Evelyn Kennedy)	5468 Peachtree Rd.	Chamblee	GA	30341		
City of Chamblee (Mr. Tillman Hannon)	5468 Peachtree Road	Chamblee	GA	30341		
Sierra Club (Mr. Glenn Groszmann)	160 Thompson Place	Roswell	GA	30075	-3506	
City of Atlanta (Ms. Marilyn Johnson)	55 Trinity Avenue, Suite 5800	Atlanta	GA	30335		
City of Avondale Estates (Honorable John Lawson)	21 North Avondale Pl.	Avondale Estates	GA	30002		
City of Avondale Estates (Mr. Warren Hutmacher)	21 North Avondale Pl.	Avondale Estates	GA	30002		
City of Doraville (Honorable Gene Lively)	3725 Park Avenue	Doraville	GA	30340		
GA Dept. of Natural Resources (Mr. Vince Williams)	4220 International Parkway	Atlanta	GA	30354		
DeKalb Chamber of Commerce (Mr. Ed Nelson, Jr.)	750 Commerce Drive	Decatur	GA	30030		
City of Decatur (Mr. Daniel Newman)	PO Box 220	Decatur	GA	30031		

Name/Organization	Address	City	State	Zip	Phone	E-Mail
Pharr Engineering (Mr. Keith Pharr)	1770 Century Circle	Atlanta	GA	30345		
Cherry Ridge Homeowner Association (Mr. Dexter Pierce)	3737 Cherry Ridge	Decatur	GA	30030		
Clayton State College & University (Dr. Linda Samson)	5900 N. Lee Street	Morrow	GA	30260		
Gwinnett Department of Public Utilities (Mr. Jim Scarbrough)	684 Winder Highway	Lawrenceville	GA	30045		
Oglethorpe Power (Mr. Robert Steele)	2100 East Exchange Place	Tucker	GA	30085		
Clayton County Water Authority (Mr. Mike Thomas)	1600 Battle Creek Road	Morrow	GA	30260		
PRIDE Neighborhood Association (Mr. O.C. Thornton)	4096 Warrior Trail	Stone Mountain	GA	30083		
South River Alliance (Ms. Joan Walker)	2812 Rainbow Forest Drive	Decatur	GA	30034		
South DeKalb Community Development Corporation (Ms. Sarah Woods)	1970 Mark Trail	Decatur	GA	30032		
DeKalb County Health Department (Mr. Robert Blake)	PO Box 987	Decatur	GA	30031		
Dekalb County Sheriff's Dept	4415 Memorial Drive	Decatur	GA	30032		
Hand Made Furniture	2868 Franklin St	Avondale Estates	GA	30002		
Dart Container Corporation	2120 Lithonia Industrial Blvd	Lithonia	GA	30058		
Snelle ER Contractor	7800 Covington Hwy	Lithonia	GA	30058		
Vulcan Materials Company	7840 Old Covington Hwy	Lithonia	GA	30039		
Weyerhaeuser Company Container Division	6792 Marbut Road	Lithonia	GA	30058		
All Park Incorporated	5383 Truman Drive	Decatur	GA	30035		
Wilsonart International Inc	2323 Park Central Blvd	Decatur	GA	30031		
ABC Compounding Co, Inc	6970 Jonesboro Road	Morrow	GA	30260		
Clayton Co Water Authority	1600 Battle Creek Road	Morrow	GA	30260		
Safety Kleen Corp Morrow	7027 Commercial Drive	Morrow	GA	30260		
Kawneer Company Inc	7468 Highway 54 PO Box 516	Jonesboro	GA	30236		
Quala Systems Inc, Jonesboro GA	1251 Battle Creek Road	Jonesboro	GA	30236		
Duffey's Cabinet Shop	659 Campground Rd	McDonough	GA	30253		
Ecolab McDonough Plant	261 Hwy 155 S	McDonough	GA	30253		
Henry Co (Camp Creek WPCP)	700 North Hwy #42	McDonough	GA	30253		
McDonough Walnut Creek WPCP	8 Dogwood Lane	McDonough	GA	30253		
Snapper Incorporated	535 Macon Street	McDonough	GA	30253		
Spring Wheat Bakers	108 Declaration Drive	McDonough	GA	30253		
Toppan Interamerica Incorporated	1131 Highway 155 South	McDonough	GA	30253		
Lafarge Building Materials	Quarry Road	Stockbridge	GA	30281		
Lewis Custom Cabinets	605 Red Oak Road	Stockbridge	GA	30281		
Moore Brothers Paving	Rock Quarry Road	Stockbridge	GA	30281		
Stockbridge (Stephen Peuifoy)	4545 North Henry Blvd	Stockbridge	GA	30281		
Suntrust Bank-GA Ops Ctr	100 Southcrest Drive	Stockbridge	GA	30281		
TYTAM Services Inc	3933 Hwy 155 North	Stockbridge	GA	30281		
Vulcan Materials Co	Rock Quarry Road	Stockbridge	GA	30281		
Tuscarora Plastics	1830 Rockdale Ind Blvd	Conyers	GA	30094		
Seminole Road MSW Landfill	4203 Clevefont Road	Ellenwood	GA	30294		
Allwaste Container Services	4367 Old McDonough Rd	Conley	GA	30288		
Haygood of Atlanta	4325 Moreland Avenue	Conley	GA	30288		
Specialized Services	3330 Moreland Avenue	Conley	GA	30288		

Watershed: Snapping Shoals Creek
HUC 10 # 0307010303

Name/Organization	Address	City	State	Zip	Phone	E-Mail
Earthgrains Baking Companies	3310 Panthersville Road	Decatur	GA	30034		
Fleetline Incorporated	1675 Moreland Avenue	Atlanta	GA	30316		
BST Atlngaca F1169	248 Chester Avenue	Atlanta	GA	30316		
Georgia Cabinet & Supply Co	591 Edgewood Ave	Atlanta	GA	30310		
Stevens Graphics	713 Ralph D. Abernathy Blvd SW	Atlanta	GA	30310		
National Linen Service #493	460 Englewood Ave	Atlanta	GA	30315		
US Penitentiary Atlanta	735 McDonough Blvd	Atlanta	GA	30315		
APCO Graphics Inc	388 Grant Street	Atlanta	GA	30312		
Quadracorps Inc	515 Ralph D. Abernathy Blvd	Atlanta	GA	30312		
Georgia State University	University Plaza	Atlanta	GA	30303		
Simmons Plating Works	409 Whitehall St	Atlanta	GA	30303		
Exhibits Plus Inc	900 Murphy Avenue	Atlanta	GA	30310		
Lipton Atlanta Georgia	1591 Murphy Avenue	Atlanta	GA	30310		
Nabisco Biscuit Co. Inc	1400 Murphy Ave	Atlanta	GA	30310		
Stevens Graphics Inc	713 Ralph David Abernathy Blvd	Atlanta	GA	30310		
Tenneco Packaging	3200 Lakewood Ave	Atlanta	GA	30310		
Atlanta Film Converting Co, Inc	1132 Pryor Road SW	Atlanta	GA	30315		
US Penitentiary Atlanta	735 McDonough Blvd	Atlanta	GA	30315		
Quadracorps Inc	5151 Ralph D Abernathy Blvd	Atlanta	GA	30312		
Simmons Plating Works Inc	409 Whitehall Street SW	Atlanta	GA	30303		
PPG Industries Inc	1377 Oakleigh Drive	East Point	GA	30344		
Bio Lab Inc	627 East College Avenue	Decatur	GA	30031		
Trojan Battery Co	5194 Minola Drive	Lithonia	GA	30038		
Universal Steel Incorporated	2400 Stone Mountain Lithonia Road	Lithonia	GA	30058		
Wade Walker Park	5585 Rockbridge Road	Stone Mountain	GA	30088		
All Park Incorporated	5383 Truman Drive	Decatur	GA	30035		
MCF Systems Atlanta	5353 Snapfinger Woods Drive	Decatur	GA	30035		
Wilsonart International Inc	2323 Park Central Blvd	Decatur	GA	30031		
Dekalb County Sheriffs Dept	4415 Memorial Drive	Decatur	GA	30032		
Atlanta Web Printers	1585 Roadhaven Drive NE	Stone Mountain	GA	30083		
Cleaners Care	5998B Memorial Drive	Stone Mountain	GA	30083		
Dekalb Co-Polebridge or WPCP	1580 Roadhaven Drive	Stone Mountain	GA	30083		
Home R.R. & Co.	1584 McCurdy Drive	Stone Mountain	GA	30083		
Jefferson Smurfit Corporation USA	5853 E. Ponce de Leon Drive	Stone Mountain	GA	30083		
Wincup	4640 Lewis Road	Stone Mountain	GA	30083		
Georgia Duck and Cordage Mill	21 Laredo Drive	Scottsdale	GA	30078		
Heritage Cabinet Company	225 Laredo Drive	Decatur	GA	30030		
MARTA Laredo Bus Operating Shop	227 Laredo Drive	Decatur	GA	30030		

Watershed: Snapping Shoals Creek
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Name/Organization	Address	City	State	Zip	Phone	E-Mail
ABC Compounding Co, Inc	6970 Jonesboro Road	Morrow	GA	30260		
Onyk Environmental Services	5371 Cook Road	Morrow	GA	30260		
Safety Kleen Corp. Morrow	7027 Commercial Drive	Morrow	GA	30260		
Sherwin Williams Company Morrow	6795 South Main Street	Morrow	GA	30260		
Rex Furniture Co, Inc	3738 Rex Road	Rex	GA	30273		
Tire Centers Incorporated	4382 Old Dunn Ct.	Ellenwood	GA	30049		
USA Fort Gillem	4653 North Second Street	Forest Park	GA	30297		
TGPL Station 0120	683 Valley Hill Road	Stockbridge	GA	30281		
Mr. Joe Arrington	466 South Rays Road	Stone Mountain	GA	30083		
Dorothy East	6532 Highway 81 East	McDonough	GA	30252 -5105		
Leon & Virginia Forrer	85 Oak Grove Circle	McDonough	GA	30253	770-957-5570	
Boyd Hall	80 Oak Grove Circle	McDonough	GA	30253	770-957-1989	
Sue Hoover	190 Watts Lake Road	McDonough	GA	30252	770-914-1180	
Tom Chenning	180 Watts Lake Road	McDonough	GA	30252	770-914-8480	
Harold Thibodeaux	128 Windsong Drive	Stockbridge	GA	30281	770-507-9517	
Thomas Kolpak	235 Oak Shores Drive	McDonough	GA	30253	678-583-4375	
Jan Dunaway	4672 Fellswood Drive	Stone Mountain	GA	30083	404-294-9215	
Snapfingher Creek Watershed Alliance (Director: Cathy Creel)	PO Box 1518	Pine Lake	GA	30072	(404) 298-8819	crcreel@mindspring.com

WATER BODIES/STREAMS COVERED IN THIS PLAN:

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

Waterbody Name #1	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Almand Branch	Tanyard Branch to Snapping Shoals	5 miles	Fishing	NS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
Rockdale				Point (Rockdale Almand WPCP) Nonpoint (Urban Runoff)

Pollutants	Water Quality Standards	Required Reduction	TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	79.0%		February 2002

Waterbody Name #2	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
South River	Hwy 20 to Snapping Shoal Creek	11 miles	Fishing	PS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
Henry	Newton			Nonpoint

Pollutants	Water Quality Standards	Required Reduction	TMDL ID	Date TMDL Established
Fecal Coliform	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	75.0%		February 2002

POLLUTANT SOURCES

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

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

Pollutant	Sources of Pollutants	Description of Contribution To Impairment	Impacted Waterbodies*
FC	Urban Runoff	Non-point Source	1, 2
FC	Rockdale County Almand WPCP	Point Source	1
FC	Rockdale County Lake Ridge Estates WPCP	Point Source, Spills, Failure	1
FC	Rockdale County Stanton Woods WPCP	Point Source, Spills, Failure	1
Fecal Coliform	Septic tank systems	Leaking / runoff from failing septic tank systems, including faulty drain fields	1, 2
Fecal Coliform	Animal wastes	Nonpoint source - pets and wildlife	1, 2
Fecal Coliform	SSOs	Overflows from sanitary sewer system due to blockages from grease, roots, vandalism / pipe failures	1, 2
Fecal Coliform	Illicit connections	Improper connections of sanitary sewer flows to the storm drain system	2

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

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

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
NPDES Permit GA0021610	GA EPD	Rockdale County Almand WPCP	06/30/00	Enforced	Regulatory
Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness		
Fecal Coliform	WPCP Discharge	1	Within 18 months of final TMDL, EPA will modify those permits that need to include TMDL limits.		
Measurable Milestones	Schedule		Comments		
	Start	End			

Refer to GA0021610

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
NPDES Permit GA0022586	GA EPD	Rockdale County Lake Ridge Estates WPCP	02/01/00	Enforced	Regulatory
Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness		
Fecal Coliform	WPCP Discharge, Spills, Failure	1	Within 18 months of final TMDL, EPD will modify those permits that need to include TMDL limits.		
Measurable Milestones	Schedule		Comments		
	Start	End			

Refer to Permit GA0022586

Discharges into Almand Branch Tributary upstream from Almand Branch

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Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
NPDES Permit GA0049085	GA EPD	Rockdale County Stanton Woods WPCP	02/10/00	Enforced	Regulatory

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

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Permit GA0049085			Discharges into Almand Branch Tributary upstream from Almand Branch

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
NPDES Permit GA0046779	GA EPD	Bio-Lab	11/30/98	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	For Discharge of Non-Contact Cooling Water	1	Within 18 months of final TMDL, EPD will modify those permits that need to include TMDL limits.

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Permit GA0046779			Permit Expires 10-31-03

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
NPDES Phase II MS4 Municipal Stormwater Permit	Rockdale County Water Resources, Rockdale County Department of Public Services and Engineering and the City of Conyers	Requires jurisdiction to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, construction site runoff control, post construction runoff control, pollution prevention, permitting and reporting, and program implementation plans. Stream inspections will be a component of this program.	March 2003	Planning	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Illicit discharges, Animal Waste	1	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Annual Report for project effectiveness.	2004	Ongoing	Notification of Intent (NOI) is currently under review by GA EPD. Annual reporting will be based on the permit signing date.
Stream inspections to identify illicit discharges within the stream corridors listed in the 303(d) list	March 2003	Ongoing	Stream inspections will be conducted by walking stream corridors to detect illicit discharges from livestock farms, hog farms, or equestrian stables within the stream corridor that are 5 acres or larger. Additionally, further inspection of animal boarding facilities will be evaluated based on business license permits and by stream corridor inspections. An educational brochure / bill insert will be handed out to property owners.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Ordinance Revisions	Rockdale County Department of Public Services and Engineering	This will include updating the comprehensive land use plan, coordinating a design competition to develop overlay districts, creating uniform development codes, and developing a GIS inventory of the county's stormwater control structures.	2002	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Pet Waste, Urban Runoff	1	This program should be effective in reducing stormwater pollution.

Measurable Milestones	Schedule		Comments
	Start	End	
Update Comprehensive Land Use Plan	2002	Feb. 2003	
Design competition to develop overlay districts		Summer 2003	
Create Uniform Development Code		Summer 2004	
GIS Inventory of Stormwater Control Structures	2002	Ongoing	
Keeping records of the number of citations issued for enforcement of land disturbing activities	2002	Ongoing	

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Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Erosion and Sediment Control Education	Rockdale County Department of Public Services and Engineering	Rockdale County ordinance requiring attendance by the building and development community along with county staff that engage in land disturbing activities at an 8 hr E&SC course on a bi-annual basis.	2000	Ongoing	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	1	By educating the development and construction community along with municipal staff about the proper use of onsite erosion and sedimentation control measures this program will help reduce nonpoint source pollution.

Measurable Milestones	Schedule		Comments
	Start	End	
Erosion and Sediment Control Education	2000	Ongoing	That includes structural and non-structural BMPs

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Georgia Erosion and Sediment Control Act	GA EPD and Rockdale County Department of Public Services and Engineering	Construction site erosion control standards and 25 foot stream buffer enforcement	1975	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	1	By educating the development and construction community along with municipal staff about the proper use of onsite erosion and sedimentation control measures this program will help reduce nonpoint source pollution.

Measurable Milestones	Schedule		Comments
	Start	End	
Review and inspect E&S construction site control measures	Ongoing		

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Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
IAW O.C.G.A. 30-3-1	Rockdale County Health Department	Rules and regulations for on-site sewer management	1981	Enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Leaking septic tanks	1	This program should aid in the reduction of fecal coliform and limit nonpoint source pollution from failing septic tanks.

Measurable Milestones	Schedule		Comments
	Start	End	
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.	1981	Ongoing	
Provide Public Education and Awareness materials that address failing septic tanks.	2003		This milestone will utilize a utility bill insert that provides citizens with information on how to proactively address maintenance issues.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Inflow & Infiltration Program	Rockdale County Water Resources	This program is designed to replace existing failing sewer systems within the impaired stream corridor. Improvements to the sanitary sewer system will aid in the reduction of fecal coliform bacteria.	10/01	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	1	Reduction of SSO(s)

Measurable Milestones	Schedule		Comments
	Start	End	
Replacement of failing sanitary sewer	10/01	Ongoing	This program has a designated funding allocation of \$1 million per year. This funding is designated to address failing sewer systems within the impaired stream corridor. Additionally, this effort will include but not be limited to pipe bursting replacement techniques, slip lining of existing sections of damaged sewer pipe and the replacement of failing gravity sanitary sewers with new pipe.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
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NPDES Phase II MS4 Municipal Stormwater Permit	Henry County Government	Requires jurisdiction to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, construction site runoff control, post construction runoff control, pollution prevention, permitting and reporting, and program implementation plans.	March 2003	Planning	Regulatory
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Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Illicit discharges, Waste	Animal 2	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Annual Report for project effectiveness.	2004	Ongoing	Notification of Intent (NOI) is currently under review by GA EPD. Annual reporting will be based on the permit signing date.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
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NPDES Phase II MS4 Municipal Stormwater Permit	City of McDonough	Requires jurisdiction to have a comprehensive stormwater program, which includes public education and participation, illicit discharge detection and elimination, construction site runoff control, post construction runoff control, pollution prevention, permitting and reporting, and program implementation plans.	March 2003	Planning	Regulatory
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Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Illicit discharges, Waste	Animal 2	The goals of this program are designed to improve water quality conditions and/or prevent further degradation of water quality and biotic integrity in the impaired stream corridor.

Measurable Milestones	Schedule		Comments
	Start	End	
Refer to Annual Report for project effectiveness.	2004	Ongoing	Notification of Intent (NOI) is currently under review by GA EPD. Annual reporting will be based on the permit signing date.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Illicit Discharge Ordinance	Henry County Government	The ordinance should establish specific guidelines for detection, elimination, and enforcement of non-stormwater discharges to the storm sewer system.	12/03	Planning	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Illicit Discharges	2	Although illicit discharges are not thought to be a significant source of water pollution within the county, the ordinance would help prevent future development and redevelopment from creating illicit/illegal discharges.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue review of existing ordinances dealing with prevention and enforcement. Develop/Adopt changes.	Dec 2003		
Review regulations and develop/adopt changes	2005		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Comprehensive Map/Inventory of Stormwater Management System	Henry County Government	A comprehensive storm sewer mapping/GIS program will be implemented. Items to be mapped and compiled into the GIS program include storm system conveyances, inlets, outfalls, stormwater detention ponds, drainage basin, and receiving waters.	Ongoing	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2	A comprehensive mapping/GIS program allows the county to have extensive knowledge of the locations for all stormwater structures and conveyances.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue mapping/GIS program already in progress. Evaluate funding needed for the next year. Complete 20% of total work.		Dec 2003	
Continue mapping/GIS program already in progress. Evaluate funding needed for the next year. Complete 50% of total work.		Dec 2004	
Continue mapping/GIS program already in progress. Evaluate funding needed for the next year. Complete 75% of total work.		Dec 2005	
Continue mapping/GIS program already in progress. Evaluate funding needed for the next year. Complete 100% of total work.		Dec 2006	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Comprehensive inventory of industries & businesses with stormwater discharges	Henry County Government	Field visits and evaluations of all industries and businesses in the unincorporated and incorporated areas of the county will be conducted. A database of the facilities and the results of the inspections will be maintained.	June 2004	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2	Maintaining a comprehensive inventory/database of all industries and businesses with stormwater discharges will allow the county to keep track of the types of industries, how many exist, and their location. Having this information will assist in developing priority locations for spills, prevention, and/or containment plans and potential contributors/sources of pollution should a problem be observed.

Measurable Milestones	Schedule		Comments
	Start	End	
Develop a database and field form		June 2004	
Visit and evaluate 20% of the industries and businesses within the county		Dec. 2004	
Visit and evaluate 40% of the industries and businesses within the county		Dec. 2005	
Visit and evaluate the remaining 40% of the industries and businesses within the county		Dec. 2006	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Dry-weather Screening Program	Henry County Government	Initiate a screening program for visual inspection of the stormwater outfalls. Initial inspections will be developed that will assist in the process of determining, through visual observation, potential illegal/illicit discharge connections. Laboratory testing should occur if dry weather flow is observed. Analyses should be conducted, at a minimum, for fecal coliform, BOD, DO, nutrients (phosphorous & nitrogen), and heavy metals.	December 2003	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Illicit Discharges	2	Dry-weather screening allows the true extent of any illicit discharges throughout the county to be assessed.

Measurable Milestones	Schedule		Comments
	Start	End	
Inspect 20 % of the outfalls (20 % of total completed)	Dec. 2003	2004	The outfalls will be inspected during the comprehensive storm sewer system inventory.
Inspect 30 % of the outfalls (50 % of total completed)		2005	
Inspect 25 % of the outfalls (75 % of total completed)		2006	
Inspect 25% of the outfalls (100 % of total completed)		2007	
Continue dry-weather screening		2008	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Develop Septic System Maintenance Standards	Henry County Government	Coordination with the county's Department of Environmental Health will allow resources to combine and will greatly increase the amount of people that may be informed on septic system maintenance techniques and procedures.	2003	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Leaking/Failing Septic Systems	2	Septic systems are a primary source for increased nitrogen concentrations within many surface waters. In many cases, the property owner does not maintain the system properly. This causes problems to occur that many times result in septic system discharging into nearby streams and rivers.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue coordination efforts and discuss potential efforts for additional teaming	2003	Ongoing	
Develop standards for septic system maintenance		Dec 2006	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
As-built checklist for stormwater infrastructure information	Henry County Government	A checklist will be developed to specify requirements for all as built drawings regarding the stormwater system/facilities to maintain/update the stormwater system inventory in a GIS.	2003	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2	The county currently requires as-built drawings on all new developments with the survey tied to county survey monuments. By standardizing the stormwater related information that is included on these drawings, the county and cities will be able to easily update the comprehensive inventory with the new structures in the county's and cities' GIS.

Measurable Milestones	Schedule		Comments
	Start	End	
Develop an as-built checklist		Dec 2003	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Land Disturbance Activities Training and Certification Program	Henry County Government	Develop a training and certification program for individuals involved with land disturbance activities. The program should include local engineers, developers, contractors, builders, county personnel, landscape architects, and others who intend to perform similar construction.	2004	Planning	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2	A certification program for erosion and sediment control and stormwater management ensures everyone involved in land disturbing activities is aware of proper construction, maintenance, and importance of sediment and erosion control measures and stormwater management facilities.

Measurable Milestones	Schedule		Comments
	Start	End	
Evaluate funding and requirements for a certification program		Dec 2004	
Adopt program as part of regulations/requirements		May 2005	
Establish certification dates	2005		Certification Dates: February 2005, August 2005
Implement / require certification	2006		Certification Dates: February 2006, August 2006
Program required	2007		Certification Dates: February 2007, August 2007

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Ordinance Revisions	Henry County Government	Review the current Erosion & Sediment control ordinance and modify as appropriate. Include requirements for professionals involved in erosion and sediment control design and construction to be certified by Henry County. Include requirements for pollution prevention at the construction site through the preparation of an Erosion, Sedimentation & Pollution Control Plan to address issues such as trash, construction debris, leaking vehicles, storage of chemicals, etc.	2003	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2	There are proposed changes to the state's erosion and sediment control program. Ordinance medications will probably be required to implement these changes. In addition, channel protection and conservation subdivision ordinances will provide further guidelines for construction activities.

Measurable Milestones	Schedule		Comments
	Start	End	
Continue review of existing ordinances dealing with construction site runoff. Develop / adopt changes.	2003	Dec 2003	
Review regulations and develop / adopt changes.	2007	Dec 2007	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Adopt the Georgia Stormwater Management Manual (GSMM)	Henry County Government	Adopt the Georgia Stormwater Management Manual (GSMM) as the county's stormwater design manual. The county and cities may also develop an addendum to the manual, which has county specific requirements that are not covered by the GSMM.	2003	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2	The county staff reviewed the manual and believes the design methodologies would benefit the county's water quality.

Measurable Milestones	Schedule		Comments
	Start	End	
Adoption of the GSMM		Dec 2003	
County specific addendum to GSMM		Dec 2005	

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Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Stormwater Ordinance (Article IV. Stormwater Runoff, Henry County Code Sec. 3-6-61)	Henry County Planning & Zoning	Ordinance to address non-point source pollution.	1994	In-progress	Regulatory

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

Measurable Milestones	Schedule		Comments
	Start	End	
Conduct development plan review to ensure compliance with County stormwater runoff regulations	1994	Ongoing	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Stormwater Management Audit / Assessment	Henry County Government	Internal assessment of stormwater pollution prevention plan (map of facility and responsibilities for upkeep): municipal operations, automobile maintenance, car washing, illegal dumping control, landscaping and lawn care, parking lot and street cleaning, roadway and bridge maintenance, septic system controls, storm drain system cleaning, stormwater detention basins maintenance, alternative products, hazardous materials storage, road salt application and storage, spill response and prevention, used oil recycling, materials management, leaking fluids from vehicles, and street sweeping.	Dec 2004	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2	The county needs to ensure that they are meeting all applicable stormwater requirements.

Measurable Milestones	Schedule		Comments
	Start	End	
Begin assessment of county operations	Dec 2004	Dec 2006	

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Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Stormwater BMP Guidance Document for Municipal Operations	Henry County Government	Following the audit / assessment, prepare a BMP procedures and guidance manual for Henry County and the cities' departments to minimize impact of municipal operations on stormwater runoff. This document should address all of the activities identified in the audit / assessment and focus on any common problem areas identified.	June 2006	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2	A consolidated document that addresses all of the activities that the cities and county performs that have an impact on stormwater would help county and city employees be an example to the community.

Measurable Milestones	Schedule		Comments
	Start	End	
Develop BMP guidance document		June 2006	Distribute BMP Guidance Document and educate all appropriate Henry County and city staff in the use of the Stormwater BMP guidance document.
Conduct first training session		Dec 2006	
Complete BMP Guidance document training for all appropriate county staff		Dec 2007	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Stormwater Complaint Database	Henry County Government	The master stormwater complaint database will be administered by the stormwater hotline operator but should be accessible by all departments involved in stormwater related activities. The stormwater hotline operator would log all complaints in the database and direct the call to the correct department. The database will include at least the following information: source of the complaint, name of the person or business, address, phone number, description of the complaint, data fields to track the investigation and resolution of the complaint. The master stormwater complaint database can be tied to the county's GIS.	2004	Planning	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Urban Runoff	2	This allows personnel responsible for this program to maintain a record of complaints, dumping locations, industrial discharges, and how they were resolved over an extended period of time. As the program progresses the procedures may be revised to better suit the needs of the county and public.

Measurable Milestones	Schedule		Comments
	Start	End	
Develop a master complaint database		Dec 2004	
Record all new complaints and stormwater related information and track until a resolution is reached.	Dec 2004	Ongoing	

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

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
FC	Septic Systems	2	This program ensures septic systems are installed and repaired in accordance with established procedures and specifications.

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

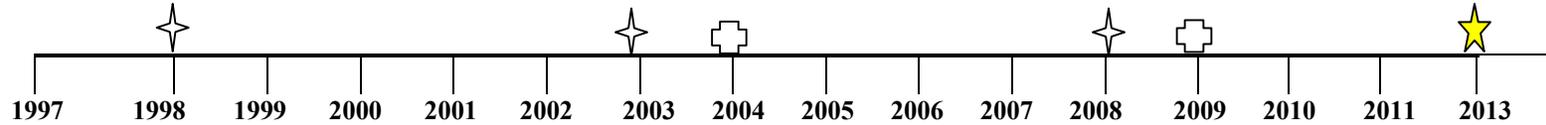
POTENTIAL FUNDING SOURCES

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

Funding Source	Responsible Authority	Status	Anticipated Funding Amount	Impacted Waterbodies*
Rockdale County (rate funded)	Rockdale Water Resources	Ongoing	TO BE DETERMINED	1
Rockdale County (general fund)	Rockdale Co. Public Services and Engineering	Ongoing	TO BE DETERMINED	1
Rockdale County (bonds / grants)	Rockdale Water Resources	Planned	TO BE DETERMINED	1
Stormwater Utility Fee	Rockdale Water Resources / PS&E	Under Discussion	TO BE DETERMINED	1
General Revenues	Henry County	Ongoing	TO BE DETERMINED	2

PROJECTED ATTAINMENT DATE

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



EPD Monitoring 
 Evaluate TMDL & Attainment Date 
 Project Attainment 

MONITORING PLAN

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

Name Of Regulation / Ordinance Or Management Measure	Organization	Impacted Waterbodies*	Pollutants	Purpose/Description	Time Frame		Status (Previous, Current, Proposed)
					Start	End	
TMDL Evaluation and Monitoring	Georgia EPD	1, 2	FC	TMDL Evaluation and Monitoring for 305(b) and 303(d) lists for Georgia	2004	2005	Proposed
Watershed Assessment Program	Rockdale Water Resources	1	FC	Watershed Assessment Program	Sept. 2002	Ongoing	Current
NPDES Phase II MS4 Program	Rockdale County Water Resources and Rockdale County Department of Public Services and Engineering	1	FC	NPDES Phase II MS4 Program (2003)	March 2003	Ongoing	Proposed

CRITERIA TO DETERMINE WHETHER SUBSTANTIAL PROGRESS IS BEING MADE

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

Percent of concentration or load change (monitoring program) _____

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

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

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

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

COMMENTS

Watershed: Snapping Shoals Creek
HUC 10 # 0307010303

Prepared By: Matthew C. 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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**Environmental Protection Division of the Department of Natural Resources,
State of Georgia.**

TOGETHER WE CAN MAKE A DIFFERENCE!