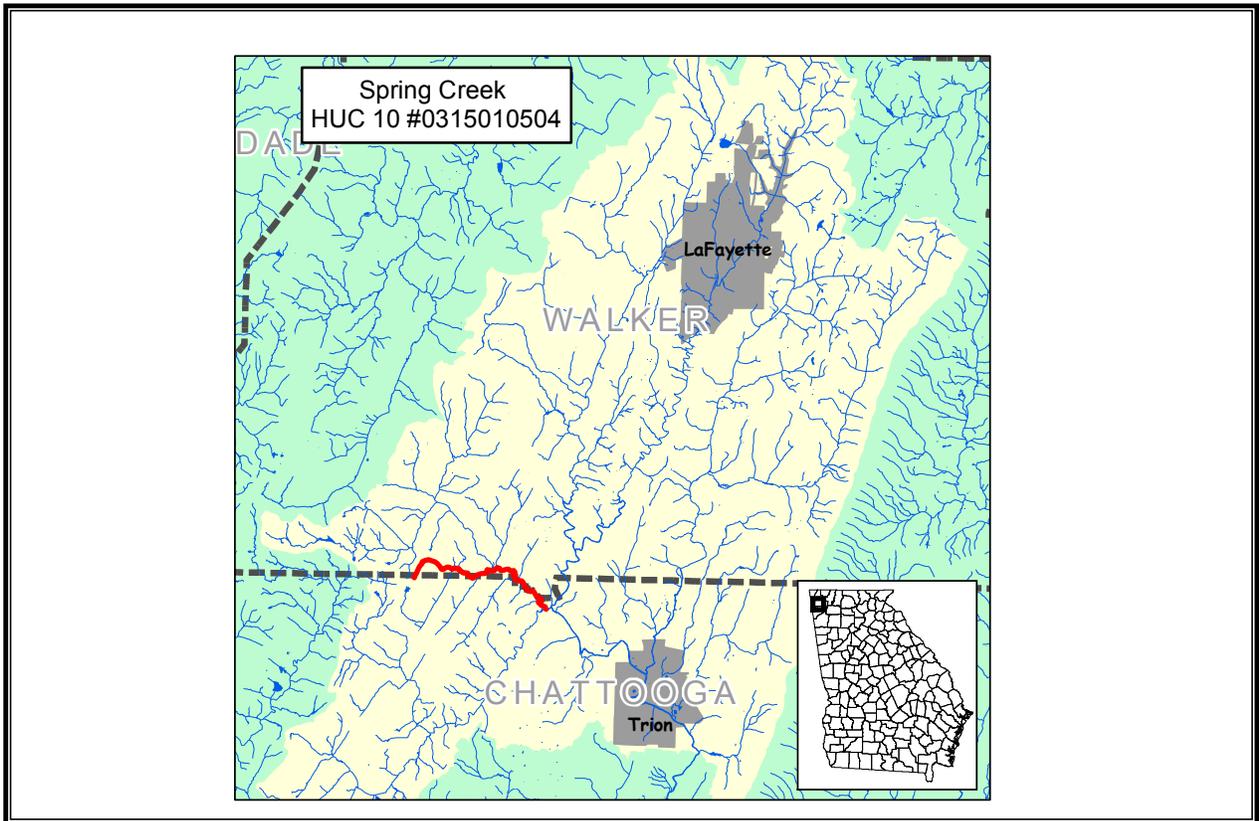


**STATE OF GEORGIA
TMDL IMPLEMENTATION PLAN**

**SPRING CREEK
(Fecal Coliform)
Revision 01: April 28, 2006**

**Prepared by
The Georgia Department of Natural Resources
Environmental Protection Division
Atlanta, GA**

TMDL Implementation Plans are platforms for establishing a suggested course of actions to restore impaired water bodies. They are intended to be a continuing process, subject to revision as new conditions and information warrant. Procedures will be developed to track and evaluate implementation of management practices and activities identified in the plans. Once restored, these will be continued to maintain the water bodies. The overall Plan goal is to define a set of actions that will help achieve water quality standards in the state of Georgia. This Plan was originally prepared as an implementation inventory in 2001 by the Coosa Valley RDC using a Section 604(b) Grant. In this revision (Revision 01) TMDL load allocation information has been updated by EPD to reflect the approved TMDL.



Impaired Waterbody*	Impaired Stream Location	River Basin	Miles/Area Impacted	Partially Supporting/ Not Supporting
Spring Creek	Walker / Chattooga County	Coosa	5	Not Supporting

SPRING CREEK TMDL IMPLEMENTATION PLAN

Prepared by

Coosa Valley Regional Development Center

Date: September 14, 2001

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

CONTACTS

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SPRING CREEK TMDL IMPLEMENTATION PLAN

NARRATIVE PLAN

Spring Creek is listed on Georgia's 303 (d) list due to exceedances of the 400 cfu/100 ml one-time standard for May to October. The Georgia Environmental Protection Division collected the samples every month in 1996 on Hwy 337 at the bridge where it crosses Spring Creek. The standard was exceeded in June, July, August, and September. The highest was in June at 2200 cfu/100ml. The standard for November to April was not exceeded.

Personnel from Coosa Valley Regional Development Center (CVRDC) led the effort to develop this TMDL implementation plan. The process used involved a preliminary planning meeting on August 20, 2001 with officials from Chattooga County and technical experts. A draft plan was developed at this meeting and presented to the public at a meeting held on September 6, 2001. This meeting involved presentation of information about the TMDL program in the U.S. and in Georgia, presentation of the draft TMDL implementation plan, and a brainstorming session to gather citizen input. The meeting was held at the Teloga Fire Hall, which is the closest public facility to the Spring Creek watershed. Thirty-five people registered for the meeting including representatives of local, state, and federal government, landowners, livestock operators, and homeowners. The meeting involved information dissemination and information gathering.

After viewing the film "Watershed Wisdom: Georgia's TMDL Program" and a PowerPoint presentation on TMDL's in the U.S., Georgia, and Spring Creek, attendees participated in a brainstorming session. The session revolved around two questions. What things should be done to stop or reduce fecal coliform pollution? How should the plan be implemented?

The most discussed suggestion was to start a monitoring program to pinpoint the source of the fecal coliform. Other things listed as important included obtaining wildlife numbers in the area and change hunting limits, education, local citizens undertaking a good faith effort to remedy situation, voluntary best management practices (BMP's), guidance for volunteers to do water sampling, and control of beavers and their dams.

The implementation plan will focus on monitoring and education. A monitoring plan will be developed and used to work towards delisting Spring Creek from the 303(d) List. Education will include increased activity from Natural Resources Conservation Service (NRCS) and Cooperative Extension Service (CES) in the agriculture sector emphasizing voluntary installation of BMP's such as stream buffers, particularly through the use of cost-share programs. Also, the county and CVRDC will increase educational activity to inform individuals of the status of TMDL's on local streams.

Spring Creek TMDL Brainstorming Ideas

Suggestions:

1. Monitor the creek regularly
2. Pinpoint the source of the pollution
3. Obtain estimates on wildlife numbers in the area
4. Local citizens making a good faith effort
5. Education
6. Voluntary Best Management Practices (BMP's)
7. Make volunteer testing available
8. Control the beaver population and their dams

STATE OF GEORGIA

TMDL INVENTORY PLAN FOR: Spring Creek (STREAM) Fecal Coliform (PARAMETER) RIVER BASIN: Coosa River
 PLAN DATE: September 14, 2001

Prepared by: <u>Coosa Valley RDC</u> Address: <u>P.O. Box 1793</u> City: <u>Rome</u> State: <u>GA</u> Zip: <u>30162-1793</u> Date Submitted to EPD: <u>September 14, 2001</u>		Or Prepared By: Address: _____ City: _____ State: _____ Zip: _____ e-mail: _____ Date Submitted to EPD: _____					
General Information		Significant Stakeholders					
Obtain this information from the TMDL document or other information. When completed, this document will be a self-contained report independent of the TMDL document.		Identify local governments, agricultural organizations or significant landholders, commercial forestry organizations, businesses and industries, and local organizations including environmental groups with a major interest in this water body.					
TMDL ID (to be entered by EPD)	CSA0000009	Name/Organization	Chattooga County Jim Parker, Commissioner				
Water body name	Spring Creek	Address	101 W. Washington St.				
HUC basin name	Coosa	City	Summerville	State	GA	Zip	30747
HUC number	03150105	Phone	(706) 857-0700		e-mail		
Primary county	Chattooga County	Name/Organization	Walker County, Bebe Heiskell, Commissioner				
Secondary county	Walker County	Address	P.O. Box 445				
Primary RDC	Coosa Valley RDC	City	LaFayette	State	GA	Zip	30728-0445
Secondary RDC		Phone	(706) 638-1437		e-mail		
Water body location	From: Pigeon Mountain	Name/Organization	DNR-Wildlife Resources, Noel Holcomb				
	To: Chattooga River	Address	2592 Floyd Springs Road				
Miles or area impacted	5 miles	City	Armuchee	State	GA	Zip	30105
Parameter addressed in plan	Fecal coliform	Phone	(706) 295-6041		e-mail		
Water use classification	Fishing	Name/Organization	Coosa River Soil and Water Conservation District Jim Parker, District Supervisor				
Degree of impairment	Not supporting use	Address	700 E. 2 nd Avenue Suite J				
		City	Rome	State	GA	Zip	30161
Date TMDL approved by EPD	January 2004	Phone	(706) 857-0700		e-mail		
Impairment due to		Name/Organization	Coosa River Basin Initiative				
	Nonpoint sources	Address	408 Broad Street				
		City	Rome,	State	GA	Zip	30161
Point source-Form A; Nonpoint source-Form B; Both-Form A+B+C		Phone	(706)232-2724				

FORM B

SUMMARY OF ALLOCATION MODEL RESULTS FROM TMDL DOCUMENT (existing load, target TMDL, and needed reduction)

EXISTING LOAD	TARGET TMDL	NEEDED REDUCTION
1.88E+13 (counts/30 days)	3.56E+12 (counts/30 days)	81%

I. IDENTIFY **NONPOINT SOURCE** CATEGORIES AND SUBCATEGORIES OR INDIVIDUAL SOURCES WHICH MUST BE CONTROLLED TO IMPLEMENT LOAD ALLOCATIONS:

List major nonpoint sources contributing to impairment including those identified in TMDL document.

SOURCE	DESCRIPTION OF CONTRIBUTION TO IMPAIRMENT	RECOMMENDED LOAD REDUCTION (FROM TMDL)
Agriculture	Nonpoint	Not specific to this Source
Forest pervious	Nonpoint, Wildlife	Not specific to this Source
Urban pervious	Nonpoint, Failing septic systems, wildlife, pets	Not specific to this Source
Urban impervious	Nonpoint, Stormwater runoff	Not specific to this Source

III. DESCRIBE ANY REGULATORY OR VOLUNTARY ACTIONS INCLUDING MANAGEMENT MEASURES OR OTHER CONTROLS BY GOVERNMENTS OR INDIVIDUALS THAT SPECIFICALLY APPLY TO THE POLLUTANT AND THE WATERBODY FOR WHICH THE TMDL WAS WRITTEN, THAT WILL BE ACCOMPLISHED THROUGH RELIABLE AND EFFECTIVE DELIVERY MECHANISMS, AND THAT WILL HELP ACHIEVE THE LOAD ALLOCATIONS IN THE TMDL:

See the attachment for more instructions.

Existing or required regulatory actions

RESPONSIBLE GOVERNMENT, ORGANIZATION OR ENTITY	NAME OF REGULATION/ORDINANCE	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
Chattooga Co. Health Department, Environmental Health Division	Rules and Regulations for On-site Sewage Management	Septic System Code	Latest update Jan-98	Enforced, State regulations adopted by the Board of Health
EPD	Sediment and Erosion Control	Related to land disturbing activities greater than 5 acres, 25' buffers	Revised Jan-01	
Chattooga County	Floodplain Ordinance	No building within a floodplain	Enacted	Enforced on new construction

Existing voluntary actions

RESPONSIBLE ORGANIZATION OR ENTITY	NAME OF ACTION	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
Farm Services Agency	Conservation Reserve Program	Continuous Signup for buffers	1985	An excellent program for ag producers
Natural Resources Conservation Service	Environmental Quality Incentives Program	State priority items	1997	Yearly signup for ag producers
Natural Resources Conservation Service	Wetland Reserve Program	On-going wetland restoration program	1996	Has not been very successful in NW GA
Soil and Water Conservation Commission	Partners for Fish and Wildlife	Establish buffers, fence out creeks, alternate livestock water establishment	1987	Available to private landowners
Upper Ocmulgee RC&D	Competitive 319	State-wide buffer grant, long term contract	2000	Available to private landowners
Farm Services Agency	Conservation Reserve Enhanced Program (CREP)	A state-federal conservation partnership to address significant water quality, soil erosion, and wildlife habitat issues related to agricultural use.	Refinement of CRP 1986	No current proposal for state

Additional recommended regulatory or other measures which should be implemented to reduce the loads of the TMDL parameter

ENTITY/ORGANIZATION RESPONSIBLE	NAME OF PROPOSED REGULATION/ORDINANCE/ OTHER	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS

III. SCHEDULE FOR IMPLEMENTING MANAGEMENT MEASURES OR OTHER CONTROL ACTIONS:

These must be implemented as expeditiously as practicable within five years of when the implementation plan is accepted by EPD.

IMPLEMENTATION ACTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Form stakeholders group	X				
Organize implementation work with stakeholders and local officials to identify remedial measures and potential funding sources	X	X			
Identify sources of TMDL parameter	X	X			
Develop management programs to control runoff including identification and implementation of BMPs (Phase I):					
Agriculture	X	X			
Forestry	X	X			
Urban	X	X			
Mining					
Organize and implement education and outreach programs	X	X	X	X	
Detect and eliminate illicit discharges	X				
Evaluate additional management controls needed		X	X		
Monitor and evaluate results	X	X	X	X	X
Reassess TMDL allocations		X			X
Provide periodic status reports on implementation of remedial activities	X	X	X	X	X
If needed, begin process for Phase II (next 5 years) and subsequent phases					X

IV. PROJECTED ATTAINMENT DATE AND BASIS FOR THAT PROJECTION:

The projected attainment date is 10 years from acceptance of the implementation plan by EPD.

V. MEASURABLE MILESTONES:

- Number of management controls and activities already implemented 3
- Number of management controls and activities proposed in five-year work program 6
- Number of management controls and activities actually implemented in five-year work period (to be completed after 5 years)

Describe any planned or proposed sampling activities or other surveys. (Scheduled EPD sampling can be found in the Basin Planning document.)

ORGANIZATION	TIME FRAME	PARAMETERS	PURPOSE	STATUS
EPD	2001-2002	Various	Basin planning	2001-2002
Chattooga County	2001-2001	Fecal Coliform	Determine current levels of Fecal Coliform in Spring Creek	planning

VII. CRITERIA TO DETERMINE WHETHER SUBSTANTIAL PROGRESS IS BEING MADE:

- % Concentration or load change (monitoring program)
- 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

See attached Narrative Plan

Name/Organization **Georgia Soil and Water Conservation Commission**
Address **700 E. 2nd Avenue, Suite J**
City/State/Zip **Rome, GA 30161**
Contact **Keith Gilmer**
Telephone **(706) 295-6131**
E-mail

Name/Organization **Georgia Cooperative Extension Service**
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City/State/Zip **Summerville, GA 30747**
Contact **Norman Edwards**
Telephone **(706) 857-0744**
E-mail

Name/Organization **Limestone Valley RC&D**
Address **125 Red Bud Road, Suite 7**
City/State/Zip **Calhoun, GA 30701**
Contact **Doug Cabe**
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E-mail

Name/Organization **U. S. Forest Service**
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City/State/Zip **LaFayette, GA 30728**
Contact **Scott Layfield**
Telephone **(706) 638-1085**
E-mail

Name/Organization **Chattooga Co. Young Farmers**
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Contact **Kenneth Mosley**
Telephone **(706) 857-3525**
E-mail **kmoseley@chattooga.k12.ga.us**

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Name/Organization **Georgia Forestry Commission**
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City/State/Zip **LaFayette, GA 30728**
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Name/Organization **USDA-Natural Resources Conservation Service**
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Significant Stakeholders Page 3

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E-mail

Name/Organization **Georgia Public Interest Research Group**
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