

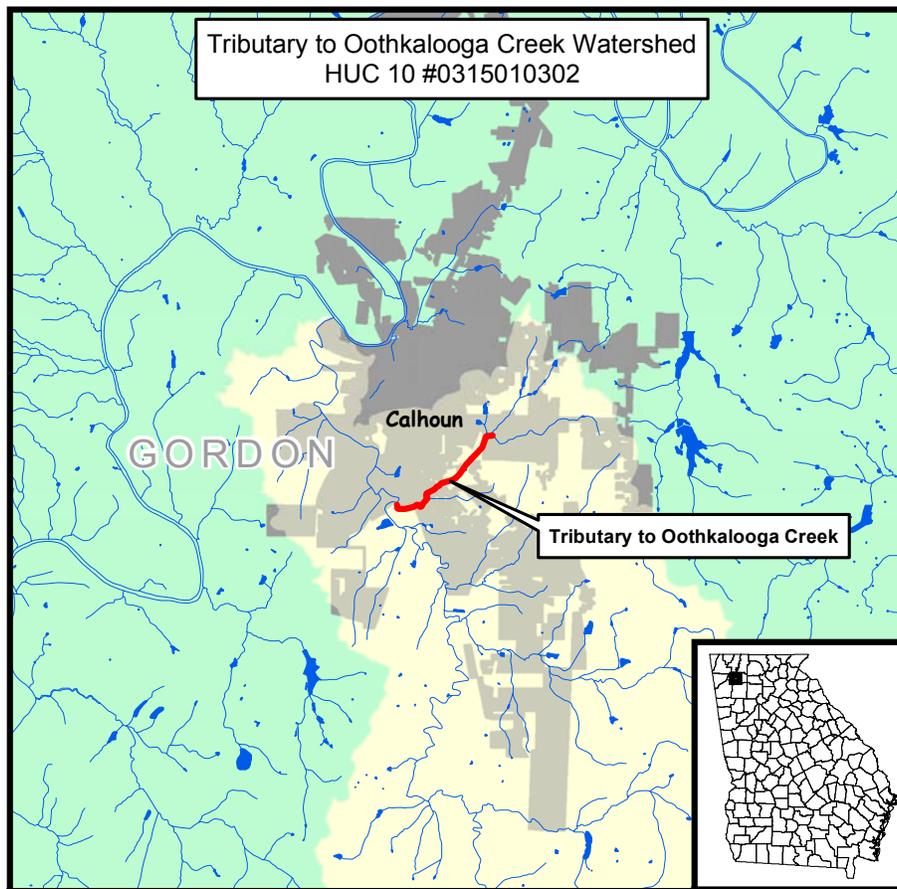
**STATE OF GEORGIA
TMDL IMPLEMENTATION PLAN**

**TRIBUTARY TO OOTHKALOOGA 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
Oothkalooga Creek	Oothkalooga Cr. to Peters Street, city limits Calhoun	Coosa	1	Partially Supporting

TRIBUTARY TO OOTHCALOOGA CREEK TMDL
IMPLEMENTATION PLAN

Prepared by

Coosa Valley Regional Development Center

**Date: September 14, 2004 (updated)
September 14, 2001 (original date submitted to EPD)**

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.

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TRIBUTARY TO OOTHCALOOGA CREEK TMDL IMPLEMENTATION PLAN

NARRATIVE PLAN

The Tributary to Oothcalooga 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 requires sampling be done upstream and downstream of sewage spills. On May 4, 1996, a sewage spill occurred due to vandalism of a sewer line. Following the spill, the City of Calhoun took samples upstream and downstream of the Tributary to Oothcalooga Creek for the first seven days, then once a week, and finally once a month through April, 1997. The days following the spill included values as high as 2400 cfu/100ml upstream and 5420 cfu/100ml downstream.

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 7, 2001 with officials from the City of Calhoun and technical experts. A draft plan was developed at this meeting and presented to the public at a meeting held on August 23, 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 Depot Community Room in the City of Calhoun. Fourteen people registered for the meeting including representatives of local government and the media. The meeting involved information dissemination and information gathering.

After viewing the film "Watershed Wisdom: Georgia's TMDL Program" and reviewing the draft TMDL implementation plan, attendees participated in a brainstorming session. The most important item was to get a monitoring program in place to determine if the problem still exists. The other item mentioned was to investigate the length of the tributary for any signs of other problems.

Since the spill, the area has changed land use and is no longer a common site for vandalism. City officials believe that fecal coliform is no longer a problem in the tributary and a monitoring program will be developed and used to de-list the tributary. Another part of this process will be increased educational activity from the city and CVRDC to inform individuals of TMDL's and general water quality on listed streams in the area.

STATE OF GEORGIA

TMDL INVENTORY PLAN FOR: Tributary to Oothcalooga Ck. Fecal Coliform RIVER BASIN: Coosa River Basin
 (STREAM) (PARAMETER) PLAN DATE: September 30, 2004

Prepared by: <u>Coosa Valley Regional Development Center</u> Address: <u>P.O. Box 1793</u> City: <u>Rome</u> State: <u>GA</u> Zip: <u>30162-1793</u> E-mail: <u>tcoker@cvrdc.org</u>		Updated By: <u>Coosa Valley Regional Development Center</u> Address: <u>P.O. Box 1703</u> City: <u>Rome</u> State: <u>GA</u> Zip: <u>30162-1793</u> e-mail: _____ Date Submitted to EPD: <u>September 14, 2004</u>					
Date Submitted to EPD: <u>September 14, 2001</u>							
General Information 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.		Significant Stakeholders Identify local governments, agricultural organizations or significant land holders, 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)	CSA0000008	Name/Organization	City of Calhoun, James Palmer, Mayor				
Water body name	Tributary to Oothcalooga Creek	Address	P.O. Box 248				
HUC basin name	Coosa River	City	Calhoun	State	GA	Zip	30703-0248
HUC number	3150103	Phone	706-629-0151		e-mail		
Primary county	Gordon County	Name/Organization	Gordon County Environmental Health Department				
Secondary county		Address	318 N. River St.				
Primary RDC	Coosa Valley	City	Calhoun	State	GA	Zip	30701
Secondary RDC		Phone	(706) 624-1440		e-mail		
Water body location	Oothcalooga ck. to Peters	Name/Organization	Gordon County Board of Commissioners				
	Street, city limits Calhoun	Address	100 S. Wall St.				
Miles or area impacted	1	City	Calhoun	State	GA	Zip	30701
Parameter addressed in plan	Fecal coliform	Phone	706-629-3795		e-mail		
Water use classification	Fishing	Name/Organization	Mohawk Industries				
Degree of impairment	Partially supporting use X	Address	P.O. Box 12069				
		City	Calhoun	State	GA	Zip	30701
Date TMDL approved by EPD	January 2004	Phone			e-mail		
Impairment due to		Name/Organization	Coosa River Soil and Water Conservation District				
	Nonpoint sources X	Address	700 E. 2 nd Ave., Suite J				
		City	Rome	State	GA	Zip	30161
Point source-Form A; Nonpoint source-Form B; Both-Form A+B+C		Phone			e-mail		

If more, add to comments on last page.

FORM B

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

EXISTING LOAD	TARGET TMDL	NEEDED REDUCTION
1.69E+12 (counts / 30 days)	3.21E+11 (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)
Forest pervious	Nonpoint	Not specific to this Source
Agricultural pervious	Nonpoint	Not specific to this Source
Urban pervious	Nonpoint, failing septic tanks, wildlife, and pets	Not specific to this Source
Urban impervious	Nonpoint, storm water runoff	Not specific to this Source

II. 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
Calhoun/Gordon County	Sediment and Erosion Control	Minimum 25 ft. buffer from water ways	Revised Jan 2001	Enforced
Calhoun Gordon County	River Corridor Protection Plan	100 ft. buffers on protected rivers	March '94 October '98	Enforced
Gordon County	Wetland Protection Ordinance	Promote wetland protection	September 1998	Enforced
Gordon County	Water Supply Watershed Protection Ordinance	Establish measures to protect the quality and quantity of present and future water supply of Gordon County	September 1998	Enforced
Gordon County	Groundwater Recharge Area Protection	Protect ground water quality by restricting land use, density of development, and preventing adverse effects to groundwater quality	September 1998	Enforced

Existing voluntary actions

RESPONSIBLE ORGANIZATION OR ENTITY	NAME OF ACTION	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS

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
Gordon County	Gordon County Green Space Program	Permanent easement purchase to preserve green space	2002	CANCELLED

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				
Forestry					
Urban	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			
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 5
- Number of management controls and activities proposed in five-year work program 1
- Number of management controls and activities actually implemented in five-year work period _____ (to be completed after 5 years)
- Stream sampled to identify areas of concern _____
- Other _____ _____
- Other _____ _____

VI. MONITORING PLAN:

Monitoring data that placed stream on 303(d) list will be provided if requested.

Describe previous or current sampling activities or other surveys to detect sources or to measure effectiveness of management measures or other controls.

ORGANIZATION	TIME FRAME	PARAMETERS	PURPOSE	STATUS
City of Calhoun	2001 -	Fecal Coliform	To determine the levels of fecal Coliform in the creek.	Continuously monitoring

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	'01 collection
City of Calhoun	2001-2002	Fecal Coliform	Determine current levels of fecal coliform in the Tributary of Oothcalooga 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 Forestry Commission**
Address **311 Old Fairmount Hwy SE**
City/State/Zip **Calhoun, GA 30701**
Contact
Telephone **(706) 624-1432**
E-mail

Name/Organization **Georgia Cooperative Extension Service**
Address **P.O. Box 95**
City/State/Zip **Calhoun, GA 30703-0095**
Contact **Steve Moraitakis**
Telephone **(706) 629-8685**
E-mail **smorait@arches.uga.edu**

Name/Organization **Georgia Public Interest Research Group**
Address **1447 Peachtree Street, Suite 304**
City/State/Zip **Atlanta, GA 30309**
Contact **Maggie Kelly**
Telephone **(404) 892-3573**
E-mail **mkpirg@juno.com**

Name/Organization **Limestone Valley RC&D**
Address **125 Redbud Rd. Suite 7**
City/State/Zip **Calhoun, GA 30701**
Contact
Telephone
E-mail

Name/Organization **USDA-Natural Resources Conservation Service**
Address **717 S. Wall St. Box1**
City/State/Zip **Calhoun, GA 30701-2615**
Contact **Bill Davidson**
Telephone **(706) 629-2582**
E-mail

Name/Organization **Gordon Co. Farm Bureau**
Address **2259 U.S. 41**
City/State/Zip **Calhoun, GA 30701**
Contact **Sam Payne**
Telephone **(706) 629-6000**
E-mail **paynefrm@bellsouth.net**

Name/Organization **USDA- Farm Services Agency**
Address **717 S. Wall St.**
City/State/Zip **Calhoun, GA 30701-2615**
Contact **Glen Forrester**
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E-mail

Name/Organization **DNR-Wildlife Resources**
Address **2592 Floyd Springs Rd.**
City/State/Zip **Armuchee, GA 30105**
Contact **Noel Holcomb, Region Game Supervisor**
Telephone
E-mail

Name/Organization
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Contact
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E-mail

Name/Organization **Etowah River Alliance**
Address
City/State/Zip
Contact **Clayton Jones**

Telephone **770-548-0263**
E-mail

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