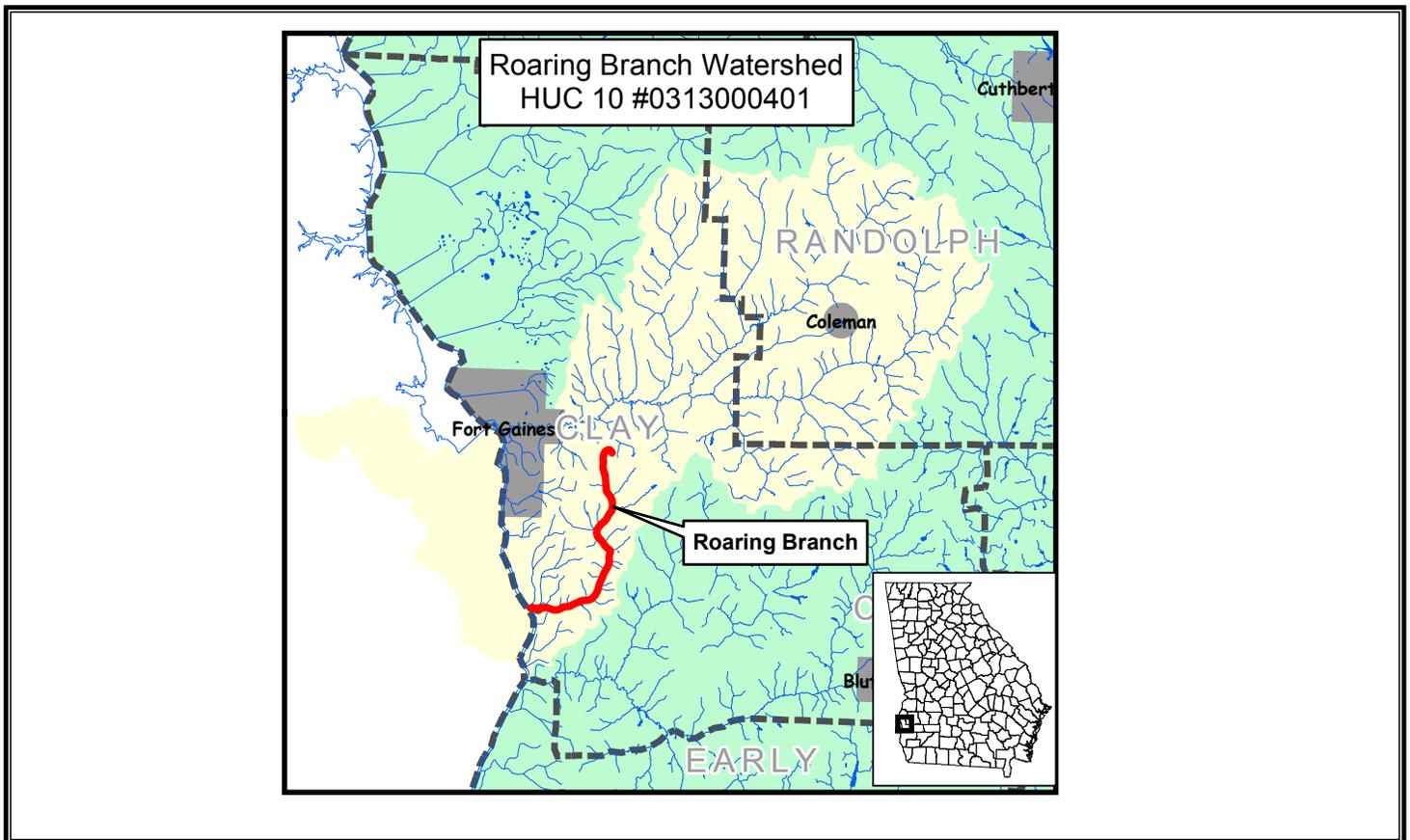


**STATE OF GEORGIA
TMDL IMPLEMENTATION PLAN**

**ROARING BRANCH CREEK
(Sediment - Biota)**

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

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 overall goal of the Plan 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 by the Lower Chattahoochee RDC with a Section 604(b) Grant. TMDL load allocation information has been updated to reflect the approved TMDL.



Impaired Waterbody*	Impaired Stream Location	River Basin	Miles/Area Impacted	Partially Supporting/ Not Supporting
Roaring Branch	Headwaters to Chattahoochee River (Clayton County)	Chattahoochee	7	Partially Supporting

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN FOR: Roaring Branch Biota RIVER BASIN: Chattahoochee
 (STREAM) (PARAMETER) PLAN DATE: 7-31-03

Prepared by: <u>Perdita Holtz, AICP</u> <u>Lower Chattahoochee</u> Regional Development Center Address: <u>1428 Second Avenue</u> City: <u>Columbus</u> State: <u>GA</u> Zip: <u>31902</u> e-mail: <u>pholtz@lcrdc.org</u> Date Submitted to EPD: <u>7-31-03</u>		Or Prepared By: <u>N/A</u> 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 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)		Name/Organization	Please see attached list
Water body name	Roaring Branch	Address	
HUC basin name	Chattahoochee	City	State Zip
HUC number	03130003	Phone	e-mail
Primary county	Clay	Name/Organization	
Secondary county	N/A	Address	
Primary RDC	Lower Chattahoochee	City	State Zip
Secondary RDC	N/A	Phone	e-mail
Water body location	Clay County	Name/Organization	
		Address	
Miles or area impacted	7	City	State Zip
Parameter addressed in plan	Biota	Phone	e-mail
Water use classification	Fishing	Name/Organization	
Degree of impairment	Partially supporting use <input checked="" type="checkbox"/>	Address	
	Not supporting use <input type="checkbox"/>	City	State Zip
Date TMDL approved by EPA	January 2003		e-mail
Impairment due to	Point sources <input type="checkbox"/>	Name/Organization	
	Nonpoint sources <input checked="" type="checkbox"/>	Address	
	Both <input type="checkbox"/>	City	State Zip
Point source-Form A; Nonpoint source-Form B; Both-Form A+B+C		Phone	e-mail

FORM B

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

EXISTING LOAD	TARGET TMDL	NEEDED REDUCTION
8,591 tons/yr	5,578 tons/yr	35%

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)
Silviculture Activities	Erosion as a result of logging activities (including logging access roads)	
Unpaved Roads	Erosion on and adjacent to dirt roads	
Crop Farming	Erosion as a result of crop farming activities	
Pasture Uses	Erosion as a result of animals using pasturelands	
Natural Erosion	Naturally occurring erosion resulting from the high erodibility of the soil types found in the watershed	
Residential Development	Erosion on and adjacent to dirt residential driveways	

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:

Existing or required regulatory actions

RESPONSIBLE GOVERNMENT, ORGANIZATION OR ENTITY	NAME OF REGULATION/ORDINANCE	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
Georgia DNR EPD	Chattahoochee River Basin Management Plan	Plan to protect, enhance, and restore the waters of the Chattahoochee River Basin by monitoring, regulating, allocating, and managing land uses in the river basin.	1997	Ongoing
U.S. Environmental Protection Agency	Federal Clean Water Act, Section 404	Requires normal ongoing agricultural and silvicultural practices to adhere to BMPs and 15 baseline provisions for road construction and maintenance in and across waters of the U.S. in order to qualify for the exemptions from the permitting process.	June, 1988	Active
Georgia DNR EPD	Georgia Water Quality Control Act	Makes it unlawful to discharge excessive pollutants into waters of the State in amounts harmful to public health, safety, or welfare, or to animals, birds, or aquatic life or the physical destruction of stream habitats.	1964	Active
Clay County	Soil Erosion and Sedimentation Control Ordinance	Protects water quality through sedimentation and erosion control by establishing BMPs and regulating land-disturbing activities.	May, 2001	Active
Georgia State Board of Registration for Foresters	Standards of Practice	Failure to practice professional forestry in accordance with the Standards shall constitute unprofessional conduct and be grounds for disciplinary action	1991	Active

Clay County	Ground Water Recharge Area Ordinance	Establishes requirements to manage land use within significant groundwater recharge areas.	No later than 2/28/06	Required in 2006

Existing voluntary actions

RESPONSIBLE ORGANIZATION OR ENTITY	NAME OF ACTION	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
Georgia Forestry Commission	Forestry Water Quality Program	Includes development of BMPs, BMP education programs, and monitoring for BMP compliance	1978; manual updated 6/99	Active
University of Georgia – Cooperative Extension Service	Promotion of Soil and Water Conservation in Agriculture	Provides classroom instruction, basic and applied research, consulting assistance, and information for nonpoint source water quality impacts	N/A	Active
Georgia Soil and Water Conservation Commission	Agricultural Nonpoint Source Management Lead Agency	Develops nonpoint source management programs and conducts educational activities to promote protection of land and water devoted to agricultural uses	1937	Active
Natural Resources Conservation Service (NRCS)	Financial/Technical assistance to agricultural uses	Includes standards and specifications for agricultural BMPs. Implements Environmental Quality Incentives Program, Conservation Reserve Program, and Small Watershed Program	N/A	Active

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
Georgia Forestry Commission	Better Education and Enforcement of BMPs	GFC should better educate the forestry industry about BMPs and needs to enforce the use of BMPs. If BMPs are being used, and used correctly, and erosion is still occurring, then new BMPs that address the problem of erosion need to be developed.	Unknown	Unknown

Property owners in partnership with regulatory agencies	Buffering and BMPs	Abide by Agricultural/Forestry BMPs	TBA	Not Active
Citizens of Clay County with Georgia EPD	Adopt-A-Stream Program	Establish an Adopt-A-Stream program in Clay County.	TBA	Not Active
Clay County	Maintenance of unpaved roads and roadside ditches	Evaluate procedures for maintaining unpaved roads and roadside ditches and utilize the publication entitled <u>Recommended Practices Manual, A Guideline for Maintenance and Service of Unpaved Roads</u> as a guide to making changes in current procedures	TBA	Proposed

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 EPA.

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				
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	N/A				
Organize and implement education and outreach programs		X	X		
Detect and eliminate illicit discharges		X	X		
Evaluate additional management controls needed			X		
Monitor and evaluate results			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

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	2004 or 2005	All elements/ pollutants normally tested.	basin planning - individual water bodies have not yet been chosen	Scheduled

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

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.

Roaring Branch Watershed
Property Owners of Parcels 40 acres or more in size

Brown, W.F. & Thelma
RR 1, Box 243I
Ft. Gaines, GA 39851

Chitty, Charles D. Jr.
1715 Myrtle Rd.
Albany, GA 31707

Giles, E.J. – Estate of
RR 1, Box 419
Ft. Gaines, GA 39851

Giles, Jerry B.
RR 1, Box 427
Ft. Gaines, GA 39851

Giles, Rena Daniel
RR 1, Box 417
Ft. Gaines, GA 39851

Gulf Coastal Development Corp.
P.O. Box 994
Hartwell, GA 30643

Holley, Horace & Barbara
2312 Hemlock Dr.
Albany, GA 31721

Killebrew, Ralph & Lonie
RR 1, Box 505
Ft. Gaines, GA 39851

Munford, Paul et al
Rt. 1, Box 297AA
Ft. Gaines, GA 39851

Neves Farm
c/o Roy Neves Jr.
P.O. Box 296
Ft. Gaines, GA 39851

Phillips, R.E. Jr.
P.O. Box 36
Shorterville, AL 36373

Pilcher, Dwan
906 Dogwood Trail
Dothan, AL 36301

Pine Nut Ridge LLP
c/o Thomas House
P.O. Box 221130
Carmel, CA 93922

Polk, Hazel K.
1305 Ethridge Ln.
Union City, TN 38261

Roaring Branch LP
370 Brandon Mill Circle
Fayetteville, GA 30214

Shivers, Mickie
Rt. 1, Box 463
Ft. Gaines, GA 39851

Smith, David E. Jr.
P.O. Box 916
Ft. Gaines, GA 39851

Still, Kester – Estate of
c/o Ossie McCoy
255 N. Sloan Ave.
Lakeland, FL 33815

Stuckey, Ricky & Sheila
2049 Whites Dairy Rd.
Iron City, GA 39859

Watson, Brewster
c/o Dr. Marvin Pittman
4263 Olympiad Dr.
Los Angeles, CA 90043

Roaring Branch Creek Watershed
Stakeholders (other than property owners)

Clay County
P.O. Box 519
Fort Gaines, GA 39851

NRCS
Rt 1, Box 2
Cuthbert, GA 31740

Clay County Health Dept.
410 N. Webster St.
Cuthbert, GA 31740

SSWCC
2700 Palmyra Road
Albany, GA 31707

Clay County Extension Agent
P.O. Box 221
Fort Gaines, GA 39851

Chattahoochee Riverkeeper
P.O. Box 1492
Columbus, GA 31902

Georgia Forestry Commission
P.O. Box 819
Macon, GA 31202

Southwest Georgia Chamber of
Commerce
P.O. Box 31
Cuthbert, GA 31740

Georgia Forestry Association
c/o John Britt
MeadWestvaco
P.O. Box 520
Phenix City, AL 36868

Georgia Farm Bureau
P.O. Box 7068
Macon, GA 31209

Southeastern Wood Producers
P.O. Box 9
Hilliard, FL 32046