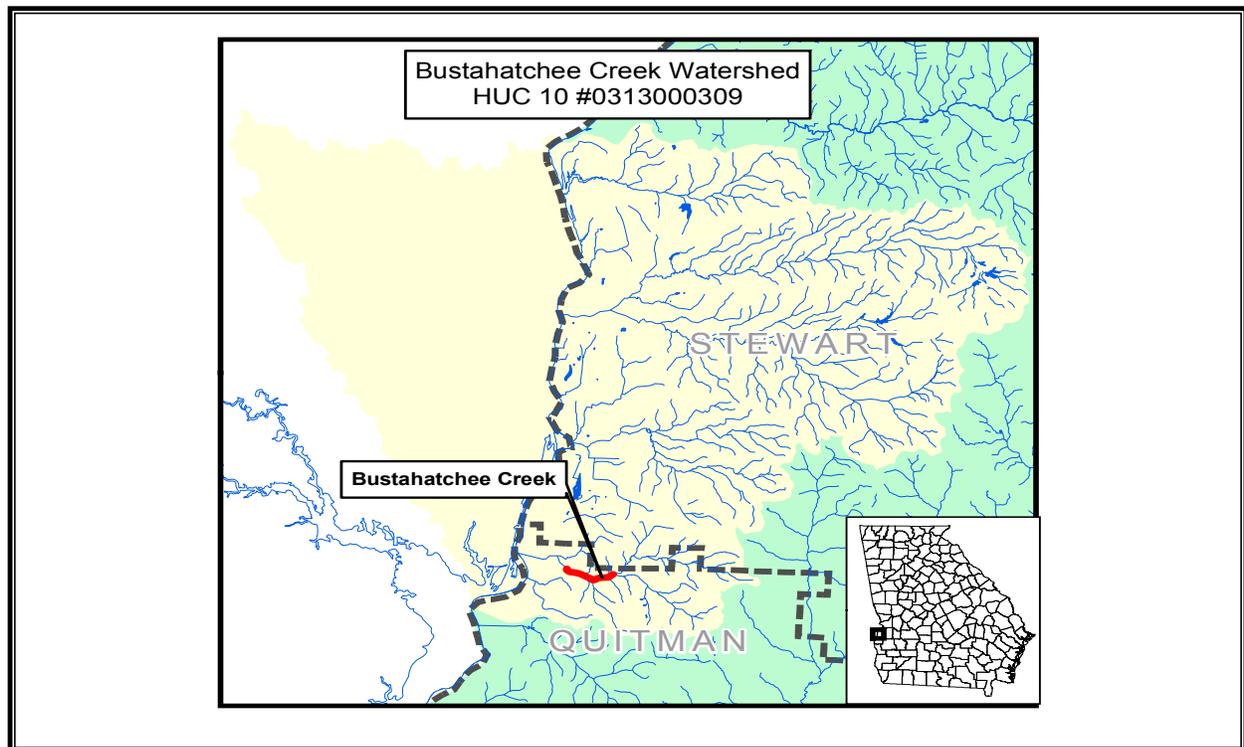


**STATE OF GEORGIA  
TMDL IMPLEMENTATION PLAN**

**BUSTAHATCHEE 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
Bustahatchee Creek	Confluence with North Fork to Lake Walter F. George	Chattahoochee	1	Partially Supporting

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN FOR: Bustahatchee Creek Biota RIVER BASIN: Chattahoochee  
 (STREAM) (PARAMETER) PLAN DATE: 9-30-02

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>9-30-02</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	Bustahatchee Creek	Address	
HUC basin name	Chattahoochee	City	State Zip
HUC number	03130003	Phone	e-mail
Primary county	Quitman	Name/Organization	
Secondary county		Address	
Primary RDC	Lower Chattahoochee	City	State Zip
Secondary RDC	N/A	Phone	e-mail
Water body location	Quitman County, watershed includes Stewart County	Name/Organization	
		Address	
Miles or area impacted	1	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	Phone	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
<b>Point source-Form A; Nonpoint source-Form B; Both-Form A+B+C</b>		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
1,291 tons/yr	1,291 tons/yr	0%

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	
Natural Erosion	Naturally occurring erosion resulting from the high erodibility of the soil types found in the watershed	

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

<b>RESPONSIBLE GOVERNMENT, ORGANIZATION OR ENTITY</b>	<b>NAME OF REGULATION/ORDINANCE</b>	<b>DESCRIPTION</b>	<b>ENACTED OR PROJECTED DATE (mm/yy)</b>	<b>STATUS</b>
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
Quitman County	Wetland Protection Ordinance	Establishes boundaries around wetlands within the county and limits types and density of development to protect water quality and habitats within these areas.	December, 2000	Active
Quitman County	Ground Water Recharge Area Ordinance	Establishes requirements to manage land use within significant groundwater recharge areas.	December, 2000	Active
Quitman County	Soil Erosion and Sedimentation Control Ordinance	Protects water quality through sedimentation and erosion control by establishing BMPs and regulating land-disturbing activities.	July, 1995	Active
Stewart County	Soil Erosion and Sedimentation Control Ordinance	Protects water quality through sedimentation and erosion control by establishing BMPs and regulating land-disturbing activities.	July, 1996	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

Existing voluntary actions

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

<b>ENTITY/ORGANIZATION RESPONSIBLE</b>	<b>NAME OF PROPOSED REGULATION/ORDINANCE/ OTHER</b>	<b>DESCRIPTION</b>	<b>ENACTED OR PROJECTED DATE (mm/yy)</b>	<b>STATUS</b>
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 Quitman County with Georgia EPD	Adopt-A-Stream Program	Establish an Adopt-A-Stream program in Quitman County.	TBA	Not Active
Quitman 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.

<b>IMPLEMENTATION ACTION</b>	<b>YEAR 1</b>	<b>YEAR 2</b>	<b>YEAR 3</b>	<b>YEAR 4</b>	<b>YEAR 5</b>
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	N/A				
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

IV. PROJECTED ATTAINMENT DATE AND BASIS FOR THAT PROJECTION:

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

V. MEASURABLE MILESTONES:

- Number of management controls and activities already implemented \_\_\_ 10 \_\_\_
- Number of management controls and activities proposed in five-year work program \_\_\_ 4 \_\_\_
- 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 See monitoring plan
- 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
DNR – Wildlife Resources Division	2000	IBI/IWB	Evaluate health of the biological system.	Completed. Future testing date to be determined.

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

<b>ORGANIZATION</b>	<b>TIME FRAME</b>	<b>PARAMETERS</b>	<b>PURPOSE</b>	<b>STATUS</b>
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

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*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.*

Bustahatchee Creek Watershed (Quitman County)  
Property Owners of Parcels 20 acres or more in size

W.C. Bradley Farms, Inc.  
1001 Front Ave.  
Columbus, GA 31901

Robert N.& Ollie M. Bennett  
Rt, 2 Box 279  
Georgetown, GA 31754

Barbara Graddy Connelly  
P.O. Box 621  
Georgetown, GA 31754

Bustahatchee Creek Watershed  
Stakeholders (other than property owners)

Quitman County  
P.O. Box 114  
Georgetown, GA 31754

Stewart County  
P.O. Box 157  
Lumpkin, GA 31815

NRCS  
Rt 1, Box 2  
Cuthbert, GA 31740

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

SSWCC  
2700 Palmyra Road  
Albany, GA 31707

Quitman County Extension Agent  
P.O. Box 37  
Georgetown, GA 31754

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

Georgia Forestry Commission  
243 US Hwy 19 N  
Americus, GA 31709

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