

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN: Chestatee River Fecal coliform BASIN: Chattahoochee  
 (STREAM) (PARAMETER) PLAN DATE: 3-5-01

Prepared by: <u>Tom O'Bryant</u>  <u>Georgia Mountains</u> Regional Development Center Address: <u>P. O. Box 1720</u> City: <u>Gainesville</u> State: <u>GA</u> Zip: <u>30503</u> e-mail: <u>tobryant@gmrdc.org</u> Date Submitted to EPD: <u>3-30-01</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 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)	CHT0000014	Name/Organization	<b>See Attachment A</b>
Water body name	Chestatee River	Address	
HUC basin name	Chattahoochee River	City	State Zip
HUC number	03130001061	Phone	e-mail
Primary county	Lumpkin	Name/Organization	
Secondary county		Address	
Primary RDC	Georgia Mountains	City	State Zip
Secondary RDC		Phone	e-mail
Water body location	Lumpkin County, Georgia	Name/Organization	
		Address	
Miles or area impacted	19	City	State Zip
Parameter addressed in plan	Fecal coliform	Phone	e-mail
Water use classification	Fishing	Name/Organization	
Degree of impairment	Partially supporting use	Address	
	Not supporting use <input checked="" type="checkbox"/>	City	State Zip
Date TMDL approved by EPA		Phone	e-mail
Impairment due to	Point sources	Name/Organization	
	Nonpoint sources <input checked="" type="checkbox"/>	Address	
	Both <input type="checkbox"/>	City	State Zip

FORM B

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

EXISTING LOAD	TARGET TMDL	NEEDED REDUCTION
230 cfu/100 ml	175 cfu/100 ml	55 cfu/100 ml

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)
Base flow	General logging activities and background wildlife	60% reduction in base flow
Urban runoff	Intense urban land uses with impervious surfaces; illicit discharges; leaking sanitary sewer lines; failing septic systems; wildlife	50% reduction in loading from urban impervious land uses.
	Gravel parking areas, gravel roads, cleared road right-of-ways, recreation fields	50 % reduction in Loading from urban pervious land uses.
Agriculture	Diffuse runoff of animal waste associated with erosion; runoff from concentrated animal operations; spreading of animal waste or municipal sludge on fields; failing septic systems	99% reduction in loading from agriculture or pasture land uses.

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

<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>
Lumpkin County	Erosion & Sediment Control Ordinance	Establishes stream protection measures for construction sites.	1990	Currently enforced
Lumpkin County, City of Dahlonega	Yahoola Creek Watershed Ordinance	Establishes stream buffers and limited land uses within drinking water watershed	2001	Currently enforced
City of Dahlonega	Zoning Ordinance	Designates land uses, density and building requirements within the city.	1991	Currently enforced
City of Dahlonega	Erosion & Sediment Control Ordinance	Establishes stream protection measures for construction sites.	1990	Currently enforced
Lumpkin County	Subdivision Regulations	Established procedures for subdivision of land and development of roads.	1984	Currently enforced
City of Dahlonega	Floodplain Ordinance	Permit review and prevention of development within floodplains	1991	Currently enforced
Georgia DNR,EPD	Chattahoochee Basin Management Plan	Plan/program to protect, enhance and restore the waters of the Chattahoochee River Basin.	1998	Ongoing
Georgia DHR, Lumpkin County Health Department	Septic Tank Regulation	Permit review for placement of septic systems for residential and commercial uses.		Currently enforced

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>
Upper Chattahoochee Riverkeeper	River Clean Up	River cleanup for Chestatee River.	1998	ongoing
Upper Chattahoochee Basin Group	Water Quality Study Lake Lanier 319 grant	Developed watershed loadings and water quality response model. Demonstrations	2/1997	Implementa- tion phase
GA Mountain Regional Development Center	Chattahoochee River Headwaters Management Program	Analysis of existing water protection programs, and development of a regional watershed management plan	11/1998	On-going

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>
Lumpkin County, City of Dahlonega	Storm Water Ordinance	Adoption of Storm Water manual to include water quality improvements.	TBA (To be arranged)	TBA
County, City	Environmental Planning Ordinance(s)	Establishes protections measures for water supply watersheds, Chestatee River Corridor, wetlands and mountain protection.	TBA	TBA
County, City	Subdivision Regulations	Amend existing subdivision requirements for roads, curbs/ gutter to allow reductions in impervious area, reduce amounts of road right-of-way..	TBA	TBA
County, City	Erosion & Sedimentation Control Ordinance	Erosion and sedimentation control for all sites of land disturbance and construction. Improve manual.	TBA	TBA
County, City	Watershed Assessment Management and Implementation Plan	A study and effort to promote water quality and biological data, pollutant runoff and loading estimates, water quality modeling and watershed management strategies.	TBA	TBA
Lumpkin County		Develop agricultural education/demonstration program	TBA	TBA
Lumpkin County		Develop agricultural cost/share program.	TBA	TBA
County	Septic Tank Survey and Education	Develop and use survey to educate homeowners on septic system maintenance.	TBA	TBA
City of Dahlonega	Sanitary Sewer Maintenance/Upgrades	Development of proactive measures and plans to prevent leaks and spills from the sanitary sewer system.	TBA	TBA
County, City	Public Outreach Program	Implement an effective public education/outreach program to promote water quality awareness	TBA	TBA

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	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	X	X	X
Forestry					
Urban	X	X	X	X	X
Mining					
Organize and implement education and outreach programs	X	X	X		
Detect and eliminate illicit discharges		X	X	X	X
Evaluate additional management controls needed			X	X	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 \_\_\_\_\_11\_\_\_\_\_
- Number of management controls and activities proposed in five-year work program \_\_\_\_\_10\_\_\_\_\_
- 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.

<b>ORGANIZATION</b>	<b>TIME FRAME</b>	<b>PARAMETERS</b>	<b>PURPOSE</b>	<b>STATUS</b>
Upper Chattahoochee Basin Group/North Georgia College/Gainesville Public Utilities	1985 to present	Fecal, BOD, TSS, Nitrates, phosphorous, water temp, hardness, alkyl, COD	Utilities data, academic reference, basin group data	On going
Upper Chattahoochee Basin Group	1997 to present	TSS, phosphorous, fecal	319 (h) grant	Ongoing

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	2000-2001	Various	basin planning	ongoing
Watershed Assessment for Lumpkin County and the City of Dahlonega	TBA	Fecal, TSS, DO, metals, biota, nutrients macroinvertebrates, fish, etc.	TMDL Implementation, Surface withdrawal permit	
City of Dahlonega	TBA	Fecal coliform	Part of maintenance and prevention plan.	
Upper Chattahoochee Basin Group/North Georgia College/Gainesville Public Utilities	2006	Fecal, BOD, TSS, Nitrates, phosphorous, water temp, hardness, alkyl, COD	Utilities data, academic reference, basin group data	

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

---

---

---