

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN: Chattahoochee River at Helen (STREAM) Fecal coliform (PARAMETER) BASIN: Chattahoochee
 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)	CHT0000013	Name/Organization	See Attachment A
Water body name	Chattahoochee River at City of Helen	Address	
HUC basin name	Chattahoochee River	City	State Zip
HUC number	0306010247	Phone	e-mail
Primary county	White	Name/Organization	
Secondary county		Address	
Primary RDC	Georgia Mountains	City	State Zip
Secondary RDC		Phone	e-mail
Water body location	City of Helen	Name/Organization	
	White County, Georgia	Address	
Miles or area impacted	11	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
225 cfu/100 ml	175 cfu/100 ml	50 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)
Urban runoff	Intense urban land uses with impervious surfaces; illicit discharges; leaking sanitary sewer lines; failing septic systems; wildlife	30% reduction in loading from urban impervious land uses.
	Gravel parking areas, gravel roads, cleared road right-of-ways, recreation fields	30 % 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	25% reduction in loading from agriculture or pasture land uses.
Base flow	General logging activities and background wildlife	60% reduction in base flow

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
White County	Erosion & Sediment Control Ordinance	Establishes stream protection measures for construction sites.	1975	Currently enforced
White County	Turner Creek Watershed Ordinance	Establishes stream buffers and limited land uses within drinking water watershed	1998	Currently enforced
City of Helen	Zoning Ordinance	Designates land uses, density and building requirements within the city.	1978	Currently enforced
City of Helen	Erosion & Sediment Control Ordinance	Establishes stream protection measures for construction sites.	1978	Currently enforced
City of Cleveland	Zoning Ordinance	Designates land uses, density and building requirements within the city.	1977	Currently enforced
City of Cleveland	Erosion & Sediment Control Ordinance	Establishes stream protection measures for construction sites.	1978	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, White County Health Department	Septic Tank Regulation	Permit review for placement of septic systems for residential and commercial uses.		Currently enforced

Existing voluntary actions

RESPONSIBLE ORGANIZATION OR ENTITY	NAME OF ACTION	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
White County	Adopt-A-Stream	Citizen stream monitoring program	1999	ongoing
Sautee Nacoochee Association	Environmental Concerns Committee	Community association education program	1998	ongoing
Upper Chattahoochee Riverkeeper/City of Helen	River Clean Up	River cleanup for Chattahoochee River section used by tubing outfitters in Helen.	1997	ongoing

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
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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
White County, Cities of Cleveland, Helen	Storm Water Ordinance	Storm Water manual to include water quality improvements.	TBA (To be arranged)	TBA
County, Cities	Environmental Planning Ordinance(s)	Establishes protections measures for water supply watersheds, groundwater recharge areas, Chattahoochee River Corridor, wetlands and mountain protection.	TBA	TBA
County , Cities	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, Cities	Erosion & Sedimentation Control Ordinance	Erosion and sedimentation control for all sites of land disturbance and construction. Improve manual.	TBA	TBA
County, cities	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
White County		Develop agricultural education/demonstration program	TBA	TBA
White County		Develop agricultural cost/share program.	TBA	TBA
County, Cities	Septic Tank Survey and Education	Develop and use survey to educate homeowners on septic system maintenance.	TBA	TBA
Cleveland and Helen	Sanitary Sewer Maintenance/Upgrades	Development of proactive measures and plans to prevent leaks and spills from the sanitary sewer system.	TBA	TBA
County, Cities	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 _____7_____
- 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.

ORGANIZATION	TIME FRAME	PARAMETERS	PURPOSE	STATUS
GA DNR,EPD Regional Office	8-98/10-98	Fecal Coliform, Nitrate/Nitrite	Water quality complaint. Sampling at four locations on river around Helen.	Report on file. See Appendix B

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	2000-2001	Various	basin planning	ongoing
Watershed Assessment for White County and the Cities of Cleveland and Helen	TBA	Fecal, sediment, DO, metals, biota, etc.	TMDL Implementation, Surface withdrawal permit	
City of Helen	TBA	Fecal coliform	Part of maintenance and prevention plan.	
City of Cleveland	TBA	Fecal coliform	Part of maintenance and prevention plan.	

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)