

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN FOR: Etta Vista Creek (STREAM) Fecal coliform BASIN: Chattahoochee (PARAMETER) PLAN DATE: 3-5-01

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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)	CHT0000016	Name/Organization	See Attachment A
Water body name	Etta Vista Creek	Address	
HUC basin name	Chattahoochee River	City	State Zip
HUC number	031300010305	Phone	e-mail
Primary county	Gainesville/Hall	Name/Organization	
Secondary county		Address	
Primary RDC	Georgia Mountains	City	State Zip
Secondary RDC		Phone	e-mail
Water body location	Gainesville, GA	Name/Organization	
		Address	
Miles or area impacted	1	City	State Zip
Parameter addressed in plan	Fecal coliform	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		Phone	e-mail
Impairment due to	Point sources	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

If more, add to comments on last page.

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
City of Gainesville	Erosion & Sedimentation Control Ordinance	Regulates land disturbing activities for clearing, grading, excavating or filling of land.	Enacted	Currently enforced
City of Gainesville	Flood Damage Prevention Ordinance	Specifies construction methods and practices to minimize damage from flooding and the degree of hazard.	Enacted	Currently enforced
City of Gainesville	Tree Preservation Ordinance	Requires a minimum tree density of 15 units per acre on site. Off site mitigation is prohibited.	Enacted	Currently enforced
City of Gainesville	Permit Checklist	For sites less than 1.1 acres, development standards and practices.	Enacted	Currently enforced
City of Gainesville	Development Review Checklist	For sites greater than 1.1 acres, development standards and practices, NPDES permit for disturbed areas greater than five acres.	Enacted	Currently enforced
City of Gainesville	Sewer System Requirement	All develop lots a required to connect to the city sewage treatment system.	Enacted	Currently enforced
City of Gainesville	Storm Water Management Ordinance	Requires an analysis of downstream impacts and requires control of peak rate runoff to be calculated for 2, 10, 25 and 110 year storm events.	Enacted	Currently enforced
City of Gainesville	Unified Land Development Code	Placement of land uses throughout city and a variety of development requirements and setbacks.	Enacted	Currently enforced
See Attachment B				

Existing voluntary actions

RESPONSIBLE ORGANIZATION OR ENTITY	NAME OF ACTION	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
City of Gainesville	Community Watershed Assessment and Management Plan (permit driven)	A effort designed to promote consistency in the water quality and biological data, pollutant runoff and load-ing estimates, water quality modeling, and watershed management strategies.	3/2000	Under review By city.
Upper Chattahoochee Basin Group	Water Quality Study for Lake Lanier -319 grant	Developed watershed loadings and water quality response model.	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
City of Gainesville	Adopt-A-Stream	Citizens monitoring program	1998	Implemented

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
City of Gainesville	Erosion and Sedimentation Control	Increased requirements for all sites; improvements to manual; increased inspections.	TBA	TBA
City of Gainesville	Storm Water	Manual improvements; water quality improvements; capture first 1 inch rainfall after construction.	TBA	TBA
City of Gainesville	Stream Buffers	Enhance buffer requirement to 100 feet. Discourage piping of streams.	TBA	TBA
City of Gainesville	Storm Water	Mapping and reduction of impervious area.	TBA	TBA
City of Gainesville	Public Outreach	An effective education/outreach program promoting water quality awareness.	TBA	TBA
City of Gainesville	Projects	Watershed restorations and retrofit improvement	TBA	TBA
City of Gainesville	Sewer Infrastructure	Increase system inspections.	TBA	TBA
See Attachment C for additional measures			TBA	TBA

III. SCHEDULE FOR IMPLEMENTING MANAGEMENT MEASURES OR OTHER CONTROL ACTIONS: **See Attachment D**

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					
Organize implementation work with stakeholders and local officials to identify remedial measures and potential funding sources					
Identify sources of TMDL parameter					
Develop management programs to control runoff including identification and implementation of BMPs (Phase I):					
Agriculture					
Forestry					
Urban					
Mining					
Organize and implement education and outreach programs					
Detect and eliminate illicit discharges					
Evaluate additional management controls needed					
Monitor and evaluate results					
Reassess TMDL allocations					
Provide periodic status reports on implementation of remedial activities					
If needed, begin process for Phase II (next 5 years) and subsequent phases					

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 _____12_____
- Number of management controls and activities proposed in five-year work program _____24_____
- 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
Upper Chattahoochee Basin Group	1996-1997	DO, nutrients ,fecal, TSS,	Watershed loading and water quality response models	Partial implementation
USEPA Clean Lakes Study/UGA	1998	DO, nutrients, fecal, TSS, metals, biota, fish tissue	US EPA report of the water quality conditions in Lake Lanier.	Completed
City of Gainesville	1984 to present	DO, Temp, BOD, TSS, pH, solids, phosphorous, fecal, TKN, NN, ALK, etc.	Part of city utility sampling program that includes 15 creek systems.	On going
USGS National Water Quality Assessment Program	1992-1999	Temp, cfs, NTU, DO Conduct, pH, NN, phos, metal, fish	Part of the NAWQA program	On going
Hall County/Gainesville Watershed Assessment and Management Plan	1999-2000	DO, temp, BOD, pH TSS, solids, phos, TKN, NN, alk, fecal, turbidity, metals, fish, macroinverts, conduct, etc.	GA DNR EPD Permit Driven	Under review by county
Georgia Mountains Regional Development Center	1999-2001	Development and enforcement practices	US EPA State Wetland Grant Program. Regional study in Lake Lanier Basin.	Completed in July 2001
For others See Attachment E				

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	DO, temp, BOD, pH TSS, solids, phos, TKN, NN, alk, fecal, turbidity, metals, fish, macroinverts, conduct, etc.	basin planning	On going
City of Gainesville - Nonpoint source monitoring program (short and long term)	2001-2006	TSS, nutrients, metals, temp, fish, macro inverts.	Measure effectiveness of management plan and recommended BMPs.	Plan adopted by city.
City of Gainesville	2001-2001	Biological monitoring	Bi-annual biological monitoring to assess stream health.	Plan adopted by city.
City of Gainesville - Stream Walks	2001-2006	Visual survey and habitat assessment	Quarterly stream walks to assess conditions and identify illicit discharges.	Plan adopted by city.
For others See Attachment F				

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

_____ **Etta Vista Creek will need to be added to those sites identified in the long term monitoring strategy.**

_____ **Attachment G: Preliminary Implementation Budget from watershed assessment.**_____