

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN FOR: Little River Fecal Coliform RIVER BASIN: Oconee  
 (STREAM) (PARAMETER) PLAN DATE: 8/02

Prepared by: <u>Phil Clark, Senior Planner</u>		Or Prepared By: _____			
<u>Middle Georgia</u> Regional Development Center		Address: _____			
Address: <u>175-C Emery Highway</u>		City: _____ State: _____			
City: <u>Macon</u> State: <u>GA</u>		Zip: _____ e-mail: _____			
Zip: <u>31217</u> e-mail: <u>pclark@mgrdc.org</u>		Date Submitted to EPD: _____			
Date Submitted to EPD: <u>9-15-02</u>		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 landholders, commercial forestry organizations, businesses and industries, and local organizations including environmental groups with a major interest in this water body. See Appendix A.			
TMDL ID (to be entered by EPD)		Name/Organization			
Water body name	Little River	Address			
HUC basin name	Oconee	City	State	Zip	
HUC number	0307010/1402 and 1404	Phone	e-mail		
Primary county	Morgan	Name/Organization			
Secondary county	Putnam	Address			
Primary RDC	Middle Georgia	City	State	Zip	
Secondary RDC	Northeast Georgia	Phone	e-mail		
Water body location	Shoal Creek to Gap Creek	Name/Organization			
		Address			
Miles or area impacted	14	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 type="checkbox"/>	Address			
	Not supporting use <input checked="" type="checkbox"/>	City	State	Zip	
Date TMDL approved by EPA		Phone	e-mail		
Impairment due to	Point sources <input type="checkbox"/>	Name/Organization			
	Nonpoint sources <input type="checkbox"/>	Address			
	Both <input checked="" type="checkbox"/>	City	State	Zip	
<b>Point source-Form A; Nonpoint source-Form B; Both-Form A+B+C</b>		Phone	e-mail		

If more, add to comments on last page.

FORM B

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

EXISTING LOAD	TARGET TMDL	NEEDED REDUCTION
1.02 x 10 <sup>11</sup> – Point Source	3.96 x 10 <sup>13</sup>	73%
3.56 x 10 <sup>13</sup> – Nonpoint Source		

I. IDENTIFY **NONPOINT SOURCE** CATEGORIES AND SUBCATEGORIES OR INDIVIDUAL SOURCES WHICH MUST BE CONTROLLED TO IMPLEMENT LOAD ALLOCATIONS:

List possible nonpoint sources contributing to impairment including those identified in TMDL document.

SOURCE	DESCRIPTION OF CONTRIBUTION TO IMPAIRMENT	RECOMMENDED LOAD REDUCTION (FROM TMDL)
Wildlife (Major Potential Source)	Deposits feces onto land surfaces where it can be transported during storm events to nearby streams; illegal dumping of animal vecerea in streams.	N/A
Leaking Septic Tanks (Minor Potential Source)	Failure of septic systems and illicit discharges of raw sewage.	N/A

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>
U.S. Forest Service	Wildlife Management and Other Activities	Includes Oconee National Forest.	N/A	In effect
Putnam County/Morgan County Health Departments	New Septic Tank Installation	Reviews plans for new septic tank installation to ensure state and local regulations are met. On-site inspection of new septic tanks to ensure proper installation.	N/A	In effect
EPA/Army Corps of Engineers	Clean Water Act/Section 404	Requires permit for dredge and fill activities in the lakes, rivers, and perennial and intermittent streams, wetlands, sloughs, and natural ponds.	1972/6-88	In effect
U.S. Department of Agriculture	Federal Farm Bill	Prohibits landowners from converting forested wetlands to agricultural uses.	N/A	In effect
Georgia DNR-EPD	Georgia Water Quality Act	Makes it unlawful to discharge excessive pollutants (sediments, nutrients, pesticides, animal waste, etc.) into waters of the State in amounts harmful to public health.	1964	In effect
Georgia DNR	Georgia Planning Act	Authorizes Georgia DNR to develop standards to protect wetlands, groundwater recharge areas, water supply watersheds, protected river corridors and mountains.	1991	In effect

Existing Voluntary Actions - None

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
Morgan County/ Putnam County/U.S. Forest Service	Partnership on Wildlife Management	Seek cooperative solutions to wildlife's impact on water quality in the Little River Watershed.	7/04	Proposed
Georgia DNR – EPD	Georgia Adopt-A-Stream Program	Enlist and train new volunteers to conduct visual surveys and cleanup in impaired streams.	7/03	Expansion of program to Little River
DNR – WRD/Volunteer Instructions	Hunter Education	Proper disposal of animal and human waste.	7/04	Proposed
Morgan County/ Putnam Health Departments	Septic Tank Inspection Program	Require regular inspections of all septic tanks in this stream segment's watershed to insure they are in proper operating condition. Development and implementation of such a program will be based on the results of the possible sources report.	7/04	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 10/02-03	YEAR 2 10/03-04	YEAR 3 10/04-05	YEAR 4 10/05-06	YEAR 5 10/06-07
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				
Develop management programs to reduce bacteria levels from the identified sources.	X	X	X	X	X
Organize and implement education and outreach programs.		X	X	X	X
Detect and eliminate illicit discharges.		X	X	X	X
Evaluate additional management controls needed.					X
Monitor and evaluate results.		X	X	X	X

Reassess TMDL allocations.		X	X	X	X
Provide periodic status reports on implementation of remedial activities.		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 \_\_\_\_\_ 6 \_\_\_\_\_
- 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 – EPD	1999	Fecal Coliform	Assess the presence of fecal coliform.	Year-round violations

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
University of Georgia or Other Subcontractor	2003	Fecal Coliform	Determine bacteria levels and compliance with State standards	Proposed

			and assess the potential sources of fecal coliform and E. coli.	
DNR – EPD	2004	Fecal Coliform	Basin planning	On-going
University of Georgia or Other Subcontractor	2005-2007	Fecal Coliform	Monitor and evaluate results of regulatory and voluntary management programs.	Proposed
Adopt-A-Stream	2003-07	Fecal Coliform	Visual surveys and stream cleanup.	Proposed

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

1. Monitoring Programs – In 2003, the stream-monitoring subcontractor will perform stream monitoring to determine current bacteria levels and to assess the sources of fecal coliform and E. coli. In 2004, the Georgia DNR will conduct stream monitoring, which includes testing for fecal coliform. Between 2005 – 2007, the University of Georgia or another subcontractor will conduct stream monitoring to evaluate the effectiveness of the regulatory and voluntary management programs.
2. Regulatory Controls or Activities Installed (ordinances, laws, education programs) – Upon receipt of the report outlining possible sources of fecal coliform and E. coli, Putnam and Morgan Counties will work cooperatively to establish effective regulatory and voluntary programs to address these sources.
3. Best Management Practices Installed – Ensure all necessary BMPs are being implemented in the Little River watershed.