

BAXTER CREEK tributary TMDL IMPLEMENTATION PLAN

NARRATIVE PLAN

Baxter Creek tributary was listed on Georgia's 303(d) due to samples that were collected in June and July of 1994 following a spill from the Oxidation Pond on Baxter Road. Fecal coliform levels were actually higher upstream from the spill on several occasions. Levels exceeded the standard of 200 cfu/100ml as a 30-day geometric mean.

Personnel from the Coosa Valley Regional Development Center led the effort to develop this TMDL Implementation Plan in cooperation with officials from the City of Bremen. Following a preplanning session on February 2, 2001, a public meeting was held on February 26, 2001 at the City Hall in Bremen. Baxter Creek tributary and Buck Creek tributary were addressed concurrently in the meeting. Nine people registered for the meeting including representatives of local government, a consulting firm, developers, and local media. The meeting involved information dissemination and information gathering.

After viewing the film "Watershed Wisdom: Georgia's TMDL Program" and a Powerpoint presentation on TMDL's in the U.S. and Georgia, attendees participated in a brainstorming session. The session revolved around two questions. What things should be done to stop or reduce fecal coliform pollution? How should the plan be implemented? After collecting and summarizing ideas the participants ranked them in terms of importance using a dot method.

The most important item was to monitor and inspect the city sewer collection system. The item considered to be second in importance was to identify residences within the city limits that are not on the collection system and to identify those residences with failing septic systems. The next item in terms of importance to the group was to monitor to identify sources of fecal coliform. A visual inspection of the creek and cooperation with County government in identifying sources were next in importance. Education regarding construction and maintenance of septic systems got one vote (see attached).

A second meeting was held on March 15th at 6:00 p.m. at the same location to review a final draft of the plan. Ten people registered for the meeting. Following a review of the draft, participants were allowed time to comment and were informed that comments would be accepted by mail, phone, or e-mail for a period of one week.

Given the professional opinions of the planners involved, the input of other professionals, and input of landowners in the watershed and other members of the public, we feel that the focus of this plan must be on the City of Bremen wastewater collection system and on home septic systems. Preliminary monitoring data also support this focus in the plan. Continued monitoring (see attached monitoring plan) will help to quickly identify failures in the collection system and failing septic systems. Visual inspections of the stream every quarter will help in identifying on-going problems. A cooperative effort between

the County Health Department and Cooperative Extension Service will make homeowners aware of needs for maintenance of septic systems.

Attention will be given to replacing portions of the collection system as needed. These needs will be evaluated in the first two years of the plan and implemented as part of phase two if necessary.

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MONITORING PLAN

Recent intensive sampling in the Baxter Creek watershed indicates that continued sampling in 5 locations will be adequate to monitor Baxter Creek (see attached map). Samples will be collected on a monthly basis and within 24 hours of a rainfall event exceeding 1 inch. When sampled values exceed 200 cfu/100ml additional samples will be collected to verify whether the standard (200 cfu/100ml as a 30 day geometric mean) has been exceeded.

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN FOR: Baxter Creek Tributary, fecal coliform

RIVER BASIN: Tallapoosa River

(STREAM)

(PARAMETER)

PLAN DATE: March 23, 2001

Prepared by: Coosa Valley Regional Development Center
 Address: P.O. Box 1793
 City: Rome State: GA
 Zip: 30162-1793 e-mail: ghuber@cvrdc.org
 Date Submitted to EPD: March 23, 2001
THIS PLAN WAS UPDATED WITH 604(B) FUNDS IN 2003

Or Prepared By:
 Address: _____
 City: _____ State: _____
 Zip: _____ e-mail: _____
 Date Submitted to EPD: _____

General Information

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.

Significant Stakeholders

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)	TAL0000001	Name/Organization	Haralson County Chamber of Commerce				
Water body name	Baxter Creek Tributary	Address	70 Sunbelt Dr.				
HUC basin name	Tallapoosa River Basin	City	Waco	State	GA	Zip	30182
HUC number	03150108	Phone	(770) 537-5594			e-mail	
Primary county	Haralson	Name/Organization	Cherokee Subdivision				
Secondary county		Address	2 Cambridge Ln.				
Primary RDC	Coosa Valley RDC	City	Bremen	State	GA	Zip	30110
Secondary RDC		Phone	Chris Coats (770) 537-8324			e-mail	
Water body location	City limits of Bremen	Name/Organization	Hubbard Company				
		Address	204 North Georgia Ave.				
Miles or area impacted	998 acres	City	Bremen	State	GA	Zip	30110
Parameter addressed in plan	Fecal coliform	Phone	Todd Crook (770) 537-2341			e-mail	
Water use classification	Fishing	Name/Organization	Kevin McManus				
Degree of impairment		Address	P.O. Box 834				
	Not supporting use X	City	Bremen	State	GA	Zip	30110
Date TMDL approved by EPA		Phone	(770) 537-1010			e-mail	
Impairment due to		Name/Organization	Ellis Goldin				
	Nonpoint sources X	Address	790 Old Temple Rd.				
		City	Bremen	State	GA	Zip	30110
Point source-Form A; Nonpoint source-Form B; Both-Form A+B+C		Phone	(770) 537-9472			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
582 cfu/100ml	175 cfu/100ml	407 cfu/100ml

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	Nonpoint	10%
Agriculture	Nonpoint	0%
Urban Pervious	Nonpoint, failing septic tanks, wildlife, pets	0%
Urban Impervious	Nonpoint, storm water runoff	
Forest		

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
Haralson County Health Department, Environmental Health Division	Rules and Regulations for On-site Sewage Management	Septic System Code	Latest update Jan-98	Enforced, State regulations
City of Bremen	Livestock Ordinance	Livestock not to be within 200 ft. of a house	Enacted	Enforced

Existing voluntary actions

RESPONSIBLE ORGANIZATION OR ENTITY	NAME OF ACTION	DESCRIPTION	ENACTED OR PROJECTED DATE (mm/yy)	STATUS
Farm Services Agency	Conservation Reserve Program	Continuous Signup for buffers	1985	An excellent program for ag producers
Natural Resources Conservation Service	Environmental Quality Incentives Program	State priority items	1997	Yearly sign-up for ag producers
Soil & Water Conservation Commission	Partners for Fish and Wildlife	Establish buffers, fence out creeks, alternate livestock water	1987	Available to private landowners
Upper Ocmulgee RC&D	Competitive 319	State-wide buffer grant, long term contract	2000	Available to private landowners

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 Bremen	Upgrade	Existing sewer collection may need upgrade	2006	Evaluation

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				
Identify sources of TMDL parameter	X				
Develop management programs to control runoff including identification and implementation of BMPs (Phase I):					
Agriculture	X				
Forestry					
Urban	X				
Mining					
Organize and implement education and outreach programs	X				
Detect and eliminate illicit discharges	X				
Evaluate additional management controls needed	X	X	X		
Monitor and evaluate results	X	X	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 2
- Number of management controls and activities proposed in five-year work program 6
- 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
City of Bremen	monthly	Fecal coliform	Monitoring	started

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
City of Bremen	monthly	Fecal coliform	Monitoring	started
EPD	2001-2002	Various	Basin planning	2001-2002

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

See attached narrative plan and monitoring plan.

Name/Organization Address City/State/Zip Contact Telephone E-mail	Pinebrook Subdivision 334 Gordon St. Bremen, GA 30110 John Cartwright (770) 537-9472	Name/Organization Address City/State/Zip Contact Telephone E-mail	Haralson Co. Cooperative Extension P.O. Box 10 Buchanan, GA 30113 Billy Skaggs (770)646-2026 bskaggs@uga.edu
Name/Organization Address City/State/Zip Contact Telephone E-mail	Randall Park 3 Cambridge Ln. Bremen, GA 30110	Name/Organization Address City/State/Zip Contact Telephone E-mail	City of Bremen 232 Tallapoosa St. Bremen, GA 30110 Mayor Jim Carden (770) 537-2331
Name/Organization Address City/State/Zip Contact Telephone E-mail	Bill Stadifer 10 Windsor Ct. Bremen, GA 30110 Kenneth Smith (770) 537-4157	Name/Organization Address City/State/Zip Contact Telephone E-mail	Carroll County Codes Enforcement 423 College St. Carrollton, GA 30117 Tommy Holland
Name/Organization Address City/State/Zip Contact Telephone E-mail	Haralson Co. Environmental Health Dept. P.O. Box 40 Buchanan, GA 30113 Joan Thoreson (770)646-9212	Name/Organization Address City/State/Zip Contact Telephone E-mail	Davis Septic Tank Service 1050 Shedd Rd. Bremen, GA 30110 Chad Davis (770)537-6523
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Name/Organization Address City/State/Zip Contact Telephone E-mail	West GA. Soil and Water Conservation District 700 E. 2nd Avenue, Suite J Rome, GA 30161 Billy Sims, Norman Heatherington	Name/Organization Address City/State/Zip Contact Telephone E-mail	