

BUCK CREEK tributary TMDL IMPLEMENTATION PLAN

NARRATIVE PLAN

Buck 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 City of Bremen WPCP. 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. Buck Creek tributary and Baxter Creek 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 monitoring in order 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 phone, mail, or email 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 Buck Creek watershed indicates that continued sampling in 3 locations will be adequate to monitor Buck 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: Buck Creek Tributary, fecal coliform
 (STREAM) (PARAMETER)

RIVER BASIN: Tallapoosa River
 PLAN DATE: March 23, 2001

Prepared by: <u>Coosa Valley Regional Development Center</u> Address: <u>P.O. Box 1793</u> City: <u>Rome</u> State: <u>GA</u> Zip: <u>30162-1793</u> e-mail: _____ Date Submitted to EPD: <u>March 23, 2001</u> 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)	TAL0000002	Name/Organization	Robert Wilson				
Water body name	Buck Creek Tributary	Address	1865 Center Point Rd.				
HUC basin name	Tallapoosa River Basin	City	Temple	State	GA	Zip	30179
HUC number	03150108	Phone				e-mail	
Primary county	Haralson	Name/Organization	Richard Wheeler				
Secondary county		Address	717 South Georgia Ave.				
Primary RDC	Coosa Valley RDC	City	Bremen	State	GA	Zip	30110
Secondary RDC		Phone	(770) 537-3992			e-mail	
Water body location	City limits of Bremen	Name/Organization	Ronald Wilson				
		Address	865 South Georgia Ave.				
Miles or area impacted	2020 acres	City	Bremen	State	GA	Zip	30110
Parameter addressed in plan	Fecal coliform	Phone	(770) 537-4419			e-mail	
Water use classification	Fishing	Name/Organization	USDA, NRCS				
Degree of impairment		Address	408 N. White St.				
	Not supporting use	X	City	Carrollton	State	GA	Zip
Date TMDL approved by EPA		Phone	Richard Barrett(770) 832-8942			e-mail	
Impairment due to		Name/Organization	City of Bremen				
	Nonpoint sources	X	Address	232 Tallapoosa St.			
		City	Bremen	State	GA	Zip	30110
Point source-Form A; Nonpoint source-Form B; Both-Form A+B+C		Phone	Mayor Jim Carden (770) 537-2331			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
841 cfu/100ml	175 cfu/100ml	666 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	65%
Agriculture	Nonpoint	65%
Urban pervious	Nonpoint, failing septic tanks, wildlife, and pets	
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
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 system 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
EPD	2001-2002	Various	Basin planning	2001-2002
City of Bremen	Monthly	Fecal Coliform	Monitoring	started

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 Magnolia Subdivision
Address 105 Gordon St.
City/State/Zip Bremen, GA 30110
Contact Jared Muse
Telephone (770) 537-4139
E-mail

Name/Organization Greystone Subdivision
Address 334 Gordon St.
City/State/Zip Bremen, GA 30110
Contact John Cartwright
Telephone (770) 537-9472
E-mail

Name/Organization Carroll County Codes Enforcement
Address 423 College St.
City/State/Zip Carrollton, GA 30117
Contact Tommy Holland
Telephone
E-mail

Name/Organization Kenneth Smith
Address 284 Treetop Dr.
City/State/Zip Bremen, GA 30110
Contact
Telephone (770) 537-3603
E-mail

Name/Organization Haralson Co. Cooperative Extension
Address P.O. Box 10
City/State/Zip Buchanan, GA 30113
Contact Billy Skaggs
Telephone (770)646-2026
E-mail bskaggs@uga.edu

Name/Organization Haralson Co. Building Inspector
Address E- GA Hwy 120
City/State/Zip Buchanan, GA 30113
Contact Gordon Parrish
Telephone (770) 646-2033

Name/Organization Haralson Co. Environmental Health Dept.
Address P.O. Box 40
City/State/Zip Buchanan, GA 30113
Contact Joan Thoreson
Telephone (770)646-9212
E-mail

Name/Organization Haralson Co. Chamber of Commerce
Address 70 Sunbelt Dr.
City/State/Zip Waco, GA 30182
Contact Joan Young
Telephone (770) 537-5594
E-mail

Name/Organization Dr. D. L. Cowart
Address 207 Chestnut St.
City/State/Zip Bremen, GA 30110
Contact
Telephone (770) 537-5246
E-mail

Name/Organization Davis Septic Tank Service
Address 1050 Shedd Rd.
City/State/Zip Bremen, GA 30110
Contact Chad Davis
Telephone (770)537-6523
E-mail

Name/Organization Dennis McBreyer
Address 623 Laurel St.
City/State/Zip Bremen, GA 30110
Contact
Telephone (770) 537-3122
E-mail

Name/Organization Georgia Public Interest Research Group
Address 1447 Peachtree Street, Suite 304
City/State/Zip Atlanta, GA 30309
Contact Maggie Kelly
Telephone (404)892-3573
E-mail mkpirg@juno.com

Name/Organization	West Georgia Soil and Water Conservation District	Name/Organization
Address	700 E. 2nd Avenue, Suite J	Address
City/State/Zip	Rome, GA 30161	City/State/Zip
Contact	Billy Sims, Norman Heatherington	Contact
Telephone		Telephone
E-mail		E-mail

Name/Organization		Name/Organization
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