

STATE OF GEORGIA
TIER 2 TMDL IMPLEMENTATION PLAN **REVISION 0**
Tails Creek
Coosawattee River/Coosa River Basin
April 28, 2006

Gilmer County, Georgia

I. INTRODUCTION

Total Maximum Daily Load (TMDL) Implementation Plans are platforms for evaluating and tracking water quality protection and restoration. These plans have been designed to accommodate continual updates and revisions as new conditions and information warrant. In addition, field verification of watershed characteristics and listing data has been built into the preparation of the plans. The overall goal of the plans is to define a set of actions that will help achieve water quality standards in the state of Georgia.

This implementation plan addresses the general characteristics of the watershed, the sources of pollution, stakeholders and public involvement, and education/outreach activities. In addition, the plan describes regulatory and voluntary practices/control actions (*management measures*) to reduce pollutants, milestone schedules to show the development of the management measures (*measurable milestones*), and a monitoring plan to determine the efficiency of the management measures.

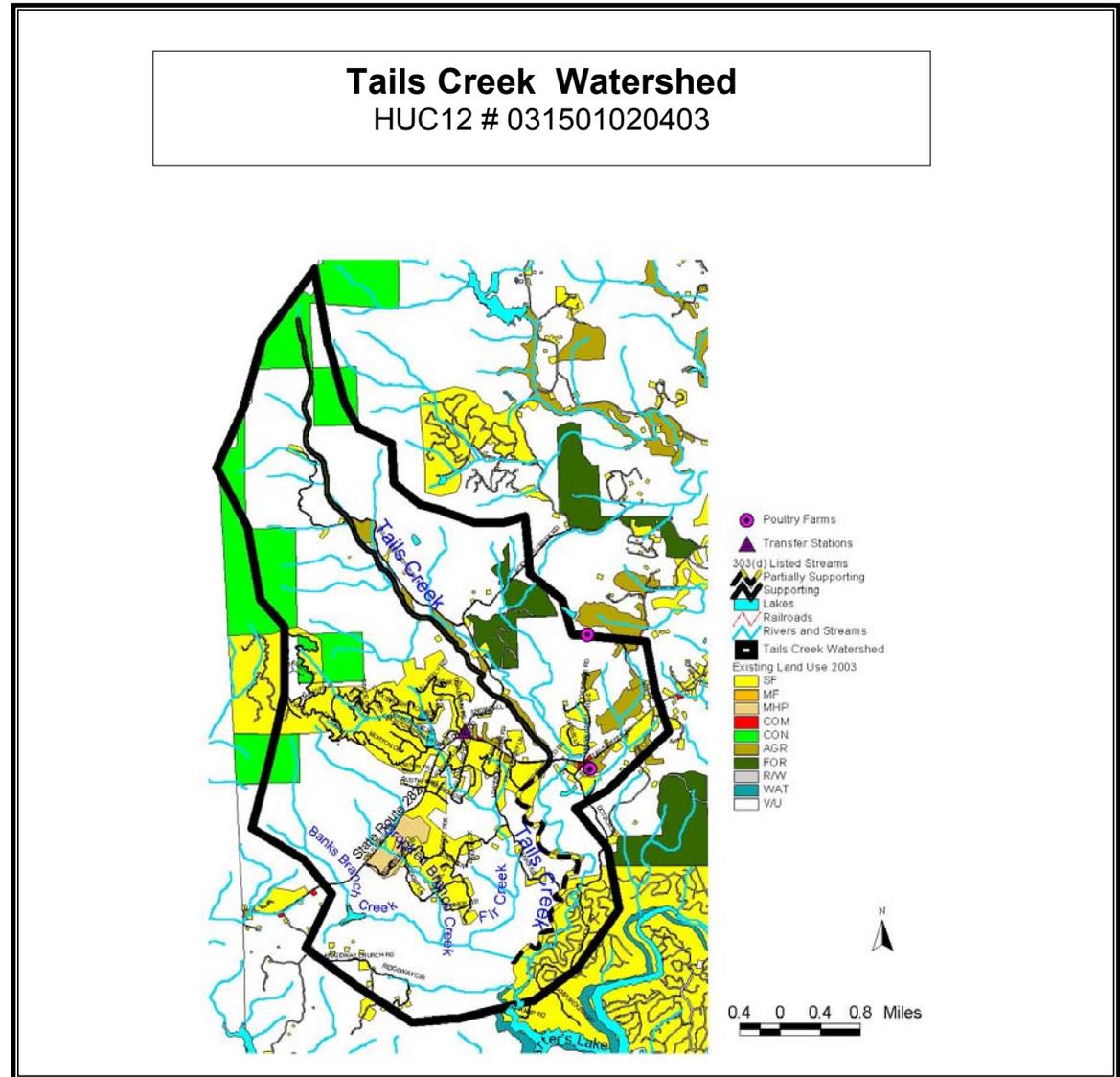


Table 1. IMPAIRMENTS

IMPAIRED STREAM SEGMENT	IMPAIRED SEGMENT LOCATION	IMPAIRMENT
Tails Creek	Hwy. 282 to Carters Lake (Gilmer County)	Fecal Coliform Bacteria

* Plan will be written by GA EPD

II. GENERAL INFORMATION ABOUT THE WATERSHED

Write a narrative describing the watershed, HUC 12# 031501020403. Include an updated overview of watershed characteristics. Identify new conditions and verify or correct information in the TMDL document using the most current data. Include the size and location of the watershed, political jurisdictions, and physical features which could influence water quality. Describe the source and date of the latest land cover/use for the watershed. Describe and quantify major land uses and activities which could influence water quality. See the instructions for more information on what to include.

Tails Creek is a tributary of Carters Lake. It runs into the north end of Carters Lake approximately two miles downstream from where the Coosawattee River becomes Carters Lake. The creek runs north to south. The creek is located completely in Gilmer County and is about 8 miles west of Ellijay. Tails Creek Road or State Route 282 runs through the center of the watershed. Tails Creek is a small HUC 12 watershed, which is 10,332 acres in total area. The major tributaries to Tails Creek are Fir Branch, Banks Branch and Crooked Branch Creeks which all merge and meet Tails Creek not long before it enters Carters Lake. The land is mostly undeveloped and forest. The headwaters of Tails Creek is in very steep terrain and as the area moves to Carters Lake becomes rolling hills and ridges. There are very few flat areas and most of them are near the creek and are open fields or pastureland. Despite the relatively low development of the area, the steep slopes allows the bacteria within the watershed to run quickly into the creek when it rains. The most probable cause for the high fecal coliform bacteria counts is failing septic tanks and residents without any septic system at all. There is an old residential development along Tails Creek where it joins Carters Lake. This area developed before subdivision regulations and other land use regulations. Much of this area is on dirt roads through steep slopes where the soils are not good for septic systems. Furthermore, some of its residents could be running its waste straight to the creek. Current grant money is addressing one of these residents. The rest of the area's residential development is mostly centered around Tails Creek Road. Some of these areas could also have failing septic systems or no systems. Tails Creek Church Road runs along a good portion of the upper half of Tails Creek. There is not many houses on this road but they are in very close proximity of Tails Creek were septic failures and straight piping is possible. There is a waste transfer station just off Tails Creek Road a half mile from the Fir Creek tributary. There are 2 poultry farms in the watershed. One is in the process of building a waste stackhouse facility, the other farm's waste handling practices are unknown. A source water assessment has been done for the whole Carters Lake watershed (Tails Creek included) and the only potential pollutes in the area revealed were the transfer station in the area. The local erosion and sedimentation control program (Gilmer County) has been updated to meet State requirements.

Tails Creek

COMPLETE THE FOLLOWING TABLES FOR AND NARRATIVES ABOUT EACH IMPAIRED STREAM IN THE WATERSHED.

STREAM SEGMENT NAME	LOCATION	MILES/AREA	DESIGNATED USE	PS/NS
Tails Creek	Hwy. 282 to Carters Lake (Gilmer County)	3	Fishing	PS

III. SOURCES AND CAUSES OF STREAM SEGMENT IMPAIRMENT LISTED IN TMDLs

After reviewing the TMDLs written for this stream, complete the following tables with **the information found in the TMDLs**. List each parameter for which the stream segment is impaired and the water quality standard violated. See the instructions for the water quality standards. Describe the sources and causes of each violation identified in the TMDLs.

Table 2. SOURCES OF IMPAIRMENT AS INDICATED IN TMDLs

PARAMETER 1	WQ STANDARD	SOURCES OF IMPAIRMENT	NEEDED REDUCTION FROM TMDL
Fecal Coliform Bacteria	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	Wildlife	43 percent
Fecal Coliform Bacteria	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	Agricultural Livestock	43 percent
Fecal Coliform Bacteria	1,000 per 100 ml (geometric mean Nov-April) 200 per 100 ml (geometric mean May-Oct)	Leaking Septic Systems	43 percent

IV. IDENTIFICATION AND RANKING OF POTENTIAL SOURCES OR CAUSES OF IMPAIRMENT

INVESTIGATE AND EVALUATE the sources of impairment for each parameter listed in Table 2. Write a narrative describing efforts made or procedures used to verify the significance and extent of the sources or causes of each impairment listed in the TMDLs. Include:

- Involvement of stakeholder group
 - Field surveys
 - Review of land cover data
 - Evaluation of sources
-
-

Leaking Septic Systems: GIS coverages (road network, river and stream network, water quality data collection points) including land use data were utilized to help determine the extend of the residential development of the area (see front page map). This information was also complimented with high resolution, digitally rectified aerial photography recently published by the State (1999 data) were purchased for Gilmer County. These aerial photos were reviewed and analyzed for development and topographical information around Tails Creek. U.S.G.S. topographic maps of the area were also utilized to show steep slopes, house, and stream locations. Many locations were driven to verify residential development influences. A site visit was conducted with one resident who does not currently have an approved septic system. Other leads were given for local resident about possible places without septic systems. Information was also obtained from Gilmer County TMDL Technical Advisory meetings about the area.

Agricultural Livestock: NGRDC developed a poultry farm GIS coverage from an EPD agricultural permit spreadsheet. This spreadsheet was geocoded and then check through aerial photos and driven to improve the location accuracy of the farm. This coverage was developed and used for a previous Section 604 grant and this area was covered well at that time. An site visit and interview was conducted with one of the farmers who is now going to build a poultry waste Stackhouse through grant money available from NGRDC. These individuals were also a valuable source of information on the area. More information is needed on the other poultry farm. Information was also obtained from Gilmer County TMDL Technical Advisory meetings about the area.

Wildlife: According to a local resident, below Tails Creek Road (State Route 282) was once called the Coosawattee Wildlife Management Area. There is deer, bear, turkeys, and other small game located in that area. There are no known feral hogs in the area. However, it is not believed that animals are in high population there and not likely a high contributor of the problem.

To the extent possible, identify sources and quantify the extent of pollution in the stream segment for each of the parameters listed in Table 2 and evaluate the likely impact on the parameter load to the stream. This should follow research performed and described in preceding narrative and should correct or add information to the TMDLs. **The SOURCES SHOULD BE RANKED** from those having the most impact to those having the least impact. The estimated extent of contribution can be expressed as the area of the watershed effected, the stream miles effected, or the number of activities contributing to the problem. The magnitude of contribution should be estimated to be large, moderate, small, or negligible.

Table 3. CONCLUSIONS MADE OF POTENTIAL SOURCES OF STREAM SEGMENT IMPAIRMENT

PARAMETER 1	POTENTIAL SOURCES	ESTIMATED EXTENT OF CONTRIBUTION	ESTIMATED MAGNITUDE OF CONTRIBUTION	COMMENTS
Fecal Coliform Bacteria	Leaking Septic Systems	Affects mostly the lower half of the watershed where the creek is listed (4 miles).	moderate	
Fecal Coliform Bacteria	Agricultural Livestock	Affects the middle section of the watershed (1 mile).	moderate	
Fecal Coliform Bacteria	Wildlife	Abundant through the watershed but not very concentrated.	small	

V. STAKEHOLDERS

PUBLIC INVOLVEMENT AND THE ACTIVE PARTICIPATION OF STAKEHOLDERS is essential to the process of preparing TMDL implementation plans and improving water quality. Stakeholders can provide valuable information and data regarding their community, impaired water bodies, potential causes of impairments, and management practices and activities which may be employed to reduce the impacts of the causes of impairment.

Describe outreach activities to advise and engage stakeholders in the TMDL implementation plan preparation process. Describe the stakeholder group employed or formed to address the impaired segments in the watershed. Summarize the results of the number of attendees and meetings and describe major findings, recommendations, and approvals.

Three and a half years ago, the Gilmer County TMDL Technical Advisory Committee was formed to develop implementation plans for the Coosawattee River and several of its listed segments. This did not include Tails Creek, a tributary to the Coosawattee River. All of the streams are listed for fecal coliform bacteria. The committee has met several times over the last three years on issues of TMDL implementation. Two years ago the group approved NGRDC to pursue a grant (EPA Section 104) to help with TMDL implementation in the Gilmer County. A grant was awarded and is being used for demonstration projects to cost share agricultural BMPs and repair failing septic tanks. The Committee felt these two things were the leading contributors to the fecal coliform bacteria problem in the Coosawattee River watershed. Another objective of the grant was to increase the stakeholder base for the watershed. An ad hoc Coosawattee River group was formed which included many of the active TMDL Technical Advisory Committee. This ad hoc group met regularly and applied for more grants for TMDL implementation in Gilmer County. This group was able to secure grants to expand the cost share program. Some of the members of the Gilmer County TMDL Technical Advisory Committee still met informally on occasion to discuss progress of the activities, implementation plans, and issues of monitoring the Coosawattee River.

The Gilmer County TMDL Technical Advisory Committee has met twice to formally discuss the development of an implementation plan for Tails Creek and some other issues. The Committee met once on Monday, August 30, 2004 at 10:00 a.m. at the Gilmer County Library Meeting Room. At this meeting, there were seven committee members present, two NGRDC staff, and nine other interested individuals who have been involved with the ad hoc watershed group. The Committee reviewed changes to the format of implementation plans and reviewed land use and USGS monitoring data for Tails Creek. Discussion at this meeting centered around load reduction and some of the group's activities in the watershed. The Committee met for a second time on Monday, September 20, 2004 at 10:00 a.m. at the Gilmer County Library Meeting Room. At this meeting, there were three committee members present, two NGRDC staff, and six others from the ad hoc watershed group. The Committee members were given a draft of the Tails Creek implementation plan and again reviewed the land use map of the watershed. There was discussion over whether the waste transfer station needed to be listed as a potential source. They decided that the dumpster was well contained and does not contribute to the problem. There was discussion about the order of the potential sources and their extent and magnitude. There was also discussion of agricultural land use of the area. The members thought that septic tanks were likely the biggest problem in the watershed. There was discussion on where sampling has been and could be done in relation to land use. Some committee members felt that Tails Creek could be de-listed now or with the completion of a few BMP projects. Complete minutes of both meetings can be obtained through the offices of NGRDC.

List the watershed or advisory committee members of the stakeholder group for this segment in the following table.

Table 4. COMMITTEE MEMBERS

NAME/ORG	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
Don Schneider City of Ellijay	Code Enforcement Officer 197 N. Main Street	Ellijay	GA	30540	706-635-4711	codeenforce@ellijay.com
James Holloway Gilmer County	Building Inspector #1 Westside Square	Ellijay	GA	30540	706-635-3406	planning@ellijay.com
Ray King	Gilmer County Health Dept. 15 Dalton Street	Ellijay	GA	30540	706-635-6050	benthostream@yahoo.com
David Pierce	209 Westpoint Drive, P.O. Box A	Ellijay	GA	30540	706-276-3200	
Sam Breyfogle	Temple Inland Forest 208 Springdale Drive	LaGrange	GA	30240	706-884-8077	
David Durgin Coosawattee River Resort	634 Beaver Lake Drive Unit 5140	Ellijay	GA	30540	706-276-1060	ddurgin@crra.bis
Debbie Royston	Georgia Forest Watch 15 Tower Street	Ellijay	GA	30540	706-635-8733	debroyston@gafw.org
David Govus	3709 Big Creek Road	Ellijay	GA	30540	706-276-2512	
Lee Kelley Georgia Forestry Comm.	Senior Forester 207 Foster Blvd.	LaFayette	GA	30728	706-638-5557	lkelly@gfc.state.ga.us
Keith Gilmer Georgia Soil & Water Cons.	Regional Representative Region 1 Office 700 East 2 nd Ave., Suite J	Rome	GA	30161-3359	706-295-6131	kgilmer@gaswcc.org
Mitch King U.S. Fish & Wildlife Service	1875 Century Blvd.	Atlanta	GA	30345		
Lu Ann Lackey Carters Project Office	U.S. Army Corps of Engineers P.O. Box 96	Oakman	GA	30732-0096	706-334-2248	luann.lackey@sam.usace.army.mil
Emory DeBord Ellijay-Gilmer W & S Auth.	P.O. Box 635	Ellijay	GA	30540	706-276-2202	egcwsa@ellijay.com
Doug Towery/USDA - NRCS	185 Wellborn Street, Box 3	Blairsville	GA	30512	706-745-2794 x3	doug.towery@ga.usda.gov

In Appendix A, list the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

VI. MANAGEMENT MEASURES AND ACTIVITIES

Describe any management measures or activities that have been put into place or will be put into place including regulatory or voluntary actions or other controls by governments or individuals that specifically apply to the pollutant that will help achieve water quality standards. Include who will be responsible for the measure, how it will be funded, the status, the date it will be or was initiated, and a short description of how effective the measure is or will be.

Table 5. MANAGEMENT MEASURES AND ACTIVITIES

MEASURES APPLICABLE TO INDIVIDUAL PARAMETERS

PARAMETER 1	MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
Fecal Coliform (FC)	Rules and regulations for on-site wastewater management	Gilmer County Environmental Health, Environmental Health Services	Regulates through permits and inspections the installation and operation of all on-site wastewater management systems.	Gilmer County	Enforced, state regs. adopted by county	Latest amendments adopted	Very
FC	Environmental Quality Incentives Program (EQIP)	Natural Resources Conservation Service/Farm Services Agency (USDA)	Technical, educational and financial assistance for farmers to develop environmentally beneficial land use management (ie Nutrient management plans, fencing livestock from streams)	Federal	Yearly sign-up for agricultural producers	1997	Very
FC	BMP, Outreach, Education	North Georgia RDC, USDA - NRCS, Gilmer Co. Health Dept.	BMP projects to cost share to repair septic tanks and implement farm BMP, educate the public, and improve capacity within the watershed.	EPA Section 104 (b) Grant	In progress. Several projects completed and some in progress	2002	Very
FC	BMP, Outreach, Education	Georgia Water and Soil Conservation Commission, USDA -NRCS.	Cost share to implement farm BMP's and education of farmers.	EPA Section 319 Grant Funds	Just starting	2004	Very

PARAMETER 1	MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
FC	BMP, Outreach, Education	North Georgia RDC, Gilmer Co. Health Dept.	Cost share to repair failing septic systems	EPA Section 319 Funds	Just starting	2004	Very
FC	Source Water Assessment	North Georgia RDC	Contaminant inventory and intake susceptibility analysis	EPD/ EPA	Completed	2003	Moderate
FC	Coosa River Basin Plan 1998	Georgia EPD	Program to protect, enhance, and restore the waters of the Coosa Basin by monitoring, regulating, allocating, and managing land uses in the river basin	EPD	Done every 5 years	1998, Will be done again soon.	Moderate
FC	Stormwater General Permit	Georgia EPD	A General Permit for construction activities which disturb 5 acres or greater; includes site stabilization plans and comprehensive monitoring/reporting	EPD	Active	August 2000	Moderate
FC	Conservation Reserve Program (CRP)	Natural Resources Conservation Service/Farm Services Agency (USDA)	Encourages farmers to convert highly erodable acreage to filter strips and riparian buffers to improve water quality and habitat	USDA	Multi year contracts	1985	Moderate
FC	Wetland Reserve Program	Natural Resources Conservation Service	Wetland restoration program	Federal	Little activity in NW GA	1985	Weak
FC	EPA 319 Grants	Limestone Valley Resource Conservation and Development Center	Finance ecosystem based technical assistance in Coosawattee Watershed (ie streambank stabilization, poultry litter storage/ composting, alternative on site sewage systems, pasture improvements, water recreational improvements)	Federal Grants	Being replaced with other 319 grant projects		Moderate

PARAMETER 1	MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
FC	Soil Erosion and Sedimentation Control Ordinance	Gilmer County	Rules and regulations for construction site stabilization. Updated to meet new EPD standards	Gilmer County	Active	Latest amendments adopted 2004	Moderate
FC	Land Development Review Process	Gilmer County	Ensures compliance with Building Codes, Subdivision Regulations, Soil Erosion and Sediment Control, Environmental Protection Regulations, and Zoning Regs.	Gilmer County	Active	1996, Adopting new standards (Zoning) 2004.	Moderate
FC	Environmental Conservation/Protection Regulations	Gilmer County	Ordinances of DNR minimum standards for Water Supply Watershed Protection, Wetland Protection, Mountain Protection, and River Protection.	DCA	Active	Adopted all but River Protection in 2001	Moderate
FC	Training programs, etc	Georgia Soil and Water Conservation Commission	Provide training and technical assistance on erosion and sediment controls, BMP education, forestry complaint resolution, BMP monitoring	State	Ongoing	January 1999 (updated manual)	Moderate
FC	Waste Composting Facility	Gilmer/Ellijay Water and Sewer Authority	Gilmer/Ellijay Water and Sewer Authority proposes to construct a composting facility, which would accept and compost municipal sewage sludge, septic tank wastes, and poultry wastes		On hold	January, 2003	
FC	EPA 319 Grants	Gilmer County Adopt-a-Stream	Increase public awareness of states non-point source pollution and water quality issues, help citizens collect quality water quality data, encourage partnerships	State EPD	Some training sessions	January, 2003	Moderate

PARAMETER 1	MEASURE	RESPONSIBILITY	DESCRIPTION	SOURCE OF FUNDING	STATUS	ENACTED/IMPLEMENTED	EFFECTIVENESS (Very, Moderate, Weak)
FC	Forestry BMP monitoring	Georgia Forestry Commission	Within watershed can conduct periodic aerial reconnaissance to observe recent forestry practices, conduct BMP audit, and recommend remediation where necessary	State	Some Activity	January, 2003	Weak
FC	Conservation Reserve Program (CRP)	Natural Resources Conservation Service/Farm Services Agency (USDA)	Increase awareness and training activity to encourage farmers to convert highly erodable acreage to filter strips and riparian buffers to improve water quality and habitat.	Federal	Ongoing	January, 2003	Moderate
FC	Agricultural Outreach and Education	NRCS – USDA, Ga S& WCC, and Gilmer Co. Extension Service	Increase awareness, technical, and financial assistance for farmers to develop environmentally beneficial land use management (ie Nutrient management plans, fencing livestock from streams) in the watershed.	Federal, State, and Local Funds	Ongoing	January, 2003	Very
FC	Public education regarding maintenance of on-site waste management systems.	Gilmer County Board of Health, North Georgia RDC	Increase public awareness regarding proper maintenance of on-site sewage systems; consider establishing a publicly operated on-site sewage management entity with responsibility for education and training, system inspection, and repairs.	EPA Section 104 (b) grant and Gilmer County	On going	January, 2003	Very

VII. MONITORING PLAN

The purposes of monitoring are to obtain more data, to determine the sources of pollution, to describe baseline conditions, and to evaluate the effects of management and activities on water quality. Describe any sampling activities or other surveys - active, planned or proposed - and their intended purpose. Reference the development and submission of a Sample Quality and Assurance Plan (SQAP) if monitoring for delisting purposes.

Table 6. MONITORING PLAN

PARAMETER(S) TO BE MONITORED	ORGANIZATION	STATUS (CURRENT, PROPOSED, PLANNED)	TIME FRAME		PURPOSE (If for delisting, date of SQAP submission)
			START	END	
Goldline Darter & Mussel Surveys	University of Tennessee, Chattanooga	Past, Current, and Planned	1992	?	Surveys are currently being done for mussels and have been done for darters.
Various Parameters	EPD/USGS	Current	Every 5 years		On-going monitoring for listing and de-listing streams
Fecal Coliform Bacteria, Nutrient, & some basic parameters	Gilmer County TMDL Technical Advisory Committee/NGRDC	Proposed	2005	2008 or longer	De-listing/listing (SQAP 2004), source tracking, and monitoring effects of BMPs

VIII. PLANNED OUTREACH FOR IMPLEMENTATION

List and describe outreach activities which will be conducted to support this plan and the implementation of it.

Table 7. PLANNED OUTREACH

RESPONSIBILITY	DESCRIPTION	AUDIENCE	DATE
NGRDC/Coosawattee River Group	Educate citizens on watershed issues, inform them on what is currently being done, promote grant program, and see if there is interest in starting a watershed alliance.	General public, farmers, business, students, and anyone interested in watershed issues.	November 2004
NGRDC/Gilmer County Board of Health	Septic system workshop to educate the public in septic system maintenance and repair and promote septic system grant program.	General public and septic system contractors	Before January 2005
NRCS – USDA and Ga S&WCC	Increase awareness, technical, and financial assistance for farmers to develop environmentally beneficial land use management (ie Nutrient management plans, fencing livestock from streams) in the watershed.	Farmers	On-going
Natural Resources Conservation Service/Farm Services Agency (USDA)	Increase awareness and training activity to encourage farmers to convert highly erodable acreage to filter strips and riparian buffers to improve water quality and habitat .	Farmers	On-going
Gilmer County Adopt-a-Stream	Increase public awareness of states non-point source pollution and water quality issues, help citizens collect quality water quality data, encourage partnerships	General Public	On-going
Georgia Soil and Water Conservation Commission	Provide training and technical assistance on erosion and sediment controls, BMP education, forestry complaint resolution, BMP monitoring	Farmers	On-going
NRCS – USDA, Ga S&WCC, and Gilmer Co. Extension Service	Conduct on-site and other workshops on farm BMPs	Farmers	On-going

IX. MILESTONES/ MEASURES OF PROGRESS OF BMPs AND OUTREACH

This table will be used to **track and report progress of management measures including BMPs and outreach**. Record milestone dates for:

- accomplishment of management practices or activities
- outreach activities
- installation of BMPs

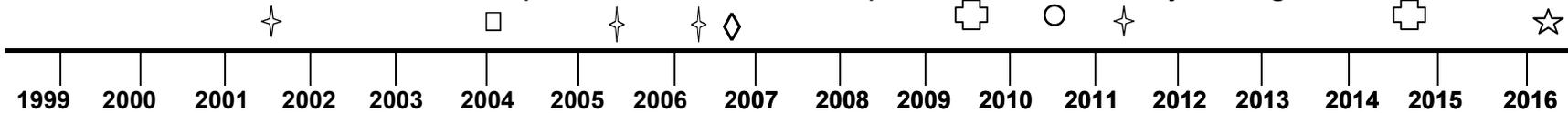
to attain water quality standards. Comment on the effectiveness of the management measure, how much support the measure was given by the community, what was learned, how the measure might be improved in the future, and any other observations made. This table can be "pulled out" of this template and used to report and track progress.

Table 8. MILESTONES

MANAGEMENT MEASURE	RESPONSIBLE ORGANIZATIONS	STATUS		COMMENT
		PROPOSED	INSTALLED	
Septic tank BMPs, Outreach, Education (Section 104 funds)	North Georgia RDC, USDA - NRCS, Gilmer Co. Health Dept.	2002	2005	Contracted with a landowner to repair septic system. Septic system workshop and Coosawattee River open meeting will be promoted in the watershed.
Agricultural BMPs, Outreach, Education (Section 104 funds)	North Georgia RDC, USDA - NRCS	2004	2005	Will complete cost share poultry waste stackhouse with farmer in the watershed and encourage them to implement other areas of their nutrient management plan.
Agricultural BMPs, Outreach, Education (EQIP and PL266)	Georgia Water and Soil Conservation Commission, USDA -NRCS	2004	2010	Encourage area poultry farmer to develop nutrient management plan.
Agricultural BMPs, Outreach, Education (Section 319 funds)	Georgia Water and Soil Conservation Commission, USDA -NRCS.	2005	2010	Develop nutrient management plans and cost share with farmers to implement cattle BMP's with farmers who have cattle near the creek and education area farmers. Includes new full-time staff assistance.
Septic tank BMP, Outreach, Education (Section 319 funds)	North Georgia RDC, Gilmer Co. Health Dept.	2005	2008	Will target this area for cost share projects to repair failing septic systems and install systems for landowners currently without one and will target to promote educational materials and workshops.

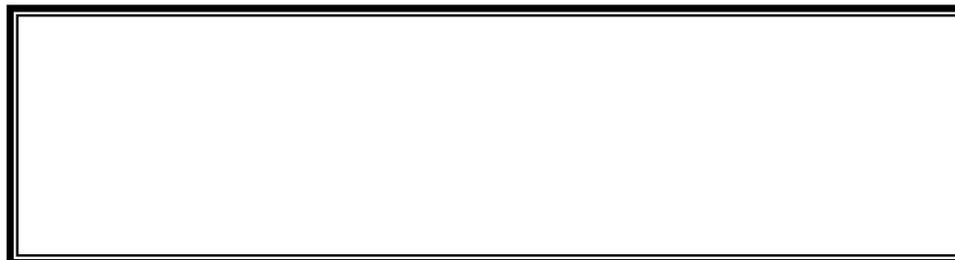
PROJECTED ATTAINMENT DATE

The projected date to attain and maintain water quality standards in this watershed is 10 years from acceptance of the TMDL Implementation Plan by Georgia EPD.



- Scheduled EPD Basin Group Monitoring ✦
- TMDL Completed □
- Revised TMDL Implementation Plan Accepted ◇
- Plan Status Evaluation Report ⊕
- Plan Update or Revision, if Necessary ○
- Project Attainment for Plans Prepared in 2006 ☆

Prepared By:	Karl Kreis		
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Date Submitted to EPD:	September 30, 2004	Revision:	0



APPENDIX A.

STAKEHOLDERS

List the names, addresses, telephone numbers, and e-mail addresses for local governments, agricultural or commercial forestry organizations, significant landholders, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

NAME	AGENCY	ADDRESS	CITY	STATE	ZIP	PHONE	EMAIL
Larry Bosch Karl Kreis	North Georgia Regional Development Center	503 West Waugh Street	Dalton	GA	30720	706/272-2300	dceds@nrdc.org wer@ngrdc.org
Bill White Stacy Clark	Georgia Soil and Water Conservation Committee	PO Box 8024	Athens	GA	30603	706/542-3065	bwhite@gaswcc.org sclark@gaswcc.org
Rozier Wingate	Limestone Soil and Water Conservation	590 Wingate Drive	Elijay	GA	30540	706/276-3432	oldorchard@ellijay
Doug Towery District Conservationist	USDA-NRCS	185 Wellborn Street, Box 3	Blairsville	GA	30512	706/745-2794 x3	doug.towery@ga.usda.gov
Jimmy Bramblett	USDA-NRCS / UGA	355 East Hancock Ave	Athens	GA	30601	706/546-2073	jimmy.bramblett@ga.usda.gov
Ray King	Gilmore County Department of Health	15 Dalton St.	Ellijay	GA	30540	706/635-6050	benthostream@yahoo.com
Doug Cabe	Limestone Valley RC&D	125 Red Bud Road, Suite 7	Calhoun	GA	30701	706/625-7044	lvrcd@pointlink.net
Debbie Royston	Georgia Forest Watch	15 Tower Road	Ellijay	GA	30540	706/635-8733	katherineg@gafw.org
Larry Benson Chief Ranger Sr.	Georgia Forestry Commission			GA		706/635-2363	gilmerunit@gfc.state.ga.us
William Grizzle	North Ga Health District		Dalton	GA			
Robin Goodloe	US Fish and Wildlife			GA			Robin_Goodloe@fws.gov
Emory DeBord	Ellijay - Gilmore Water and Sewer Authority	216 Sailors Drive, Suite 115	Ellijay	GA	30540	706/276-2202	egcwsa@ellijay.com
Vince Williams	Georgia Environmental Protection Division			GA			vince_williams@dnr.state.ga.us
Steven Blackburn Curry Jones Connie Roberts	Environmental Protection Agency, Region 4	Sam Nunn Federal Center 61 Forsyth Street, S.W.	Atlanta	GA	30303-3104	404/562-9397 404/562-9302 404/562-9406	blackburn.steven@epa.gov jones.curry@epa.gov roberts.connie@epa.gov
Lu Ann Lackey Park Manager	US Army Corps of Engineers	PO Box 96	Oakman	GA	30732-0096	706/334-2248	luann.lackey@sam.usace.army.mil
Paul Johnson	Southeast Aquatic Research Center			GA			
Bud Freeman	University of Georgia Institute of Ecology			GA			bud@trout.ecology.uga.edu

John Peacock Agricultural Manager	Georgia Department of Agriculture Livestock/Poultry Section	GA Department of Ag 19 Martin Luther King Jr. Dr., SW, Room 112	Atlanta	GA	30344- 4201	404/656-3665	jpeacock@agr.state.ga.us
Abit Massey President Mike Giles, VP	Georgia Poultry Federation	P.O. Box 763	Gainesville	GA	30503	770/532-0473	mike@gapf.org
Dana Skelton	Georgia River Network	1090 S. Milledge Ave.	Athens	GA	30605	706/549-4508	dana@garivers.org
Jim Shinall	U.S. Army COE	P.O. Box 487	Cartersville	GA	30120	678/721-6716	james.t.shinall@sam.usace.army.mil
Clayton Jones	Coosa River Basin Initiative	408 Broad St.	Rome	GA	30161	706/232-2724	claytonjones@coosa.org
Ted Gregory	U.S. Army COE	P.O. Box 96	Oakman	GA	30732	706/334-2248	edward.c.gregory@sam.usace.army.mil
James L. Holloway	Gilmore County Planning Commissioner	#1 Westside Square	Ellijay	GA	30540	706/635/3406	
Ruth Caudell	Ellijay City Council	167 Gartrell Street	Ellijay	GA	30540	706/635-4447	rhcaudell@ellijay.com
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Frank Sagona	Conasauga River Alliance	183 Greystone Drive , GA	Ringgold	GA	30734	706/965-7069	fsagona@aol.com
Robin Dake	Upper Etowah River Alliance	Rt. 2, Box 104 W. Silver Shoals Rd	Eastanolle e	GA	30538	706/779-5756	robintdake@hotmail.com
Michelle Huffman	Georgia Environmental Protection Division			GA		404/675-1641	michelle_huffman@mail.dnr.state.ga.us
April Ingle	Georgia River Network	1090 S. Milledge Ave.	Athens	GA	30605		ingle@garivers.org
Michael Wheeler	Gilmer County Extension Service	92 Sand Street	Ellijay	GA	30540	706/635-4426	wheelerm@uga.edu
John Loughridge	GA Soil & Water Conservation Commission	142 Sand Street	Ellijay	GA	30540	706/635-4416	John.loughridge@ga.usda.gov
Katie Owens	Coosa River Basin Initiative	408 Broad Street	Rome	GA	30161	706/232-2724	keady@coosa.org
Elizabeth Andrew		12025 Doublehead Gap Rd	Ellijay	GA	30540		
Gary Beisser	GA WRD - Fisheries	312 N River Street	Calhoun	GA	30701	706/624-1161	gary_beisser@dnr.state.ga.us
Mack Wood	Land Development		East Ellijay	GA			
Mary Gazaway	Georgia EPD/ TMDL Implementation Program		Atlanta	GA		404/675-1745	

APPENDIX B.

UPDATES TO THIS PLAN

Describe any updates made to this plan. Include the date, section or table updated, and a summary of what was changed and why.
