

**STATE OF GEORGIA
REVISED TMDL
IMPLEMENTATION PLAN
WATERSHED APPROACH
Ocmulgee River Basin**

Local Watershed Governments

Middle Georgia RDC
Monroe County
Jones County

TMDL Implementation Plans are platforms for establishing a course of actions to restore the quality of impaired water bodies in a watershed. They are intended as a continuing process that may be revised as new conditions and information warrant. Procedures will be developed to track and evaluate the implementation of the management practices and activities identified in the plans. Once restored, appropriate management practices and activities will be continued to maintain the water bodies. **With input from appropriate stakeholder groups, a TMDL Implementation Plan has been developed for a cluster of impaired streams and the corresponding pollutants.** The impaired streams are located in the same sub-basin identified by a HUC10 code (Figure 1).

This Implementation Plan addresses an action plan, education/outreach activities, stakeholders, pollutant sources, and potential funding sources affecting the sub-basin. In addition, the Plan describes (a) regulatory and voluntary practices/control actions (*management measures*) to reduce target pollutants, (b) milestone schedules to show the development of the management measures (*measurable milestones*), (c) a monitoring plan to determine the efficiency of the management measures and measurable milestones, and (d) criteria to determine whether substantial progress is being made towards reducing pollutants in impaired waterbodies. The overall goal of the Plan is to define a set of actions that will help achieve water quality standards in the state of Georgia. Following this section is information regarding individual segments

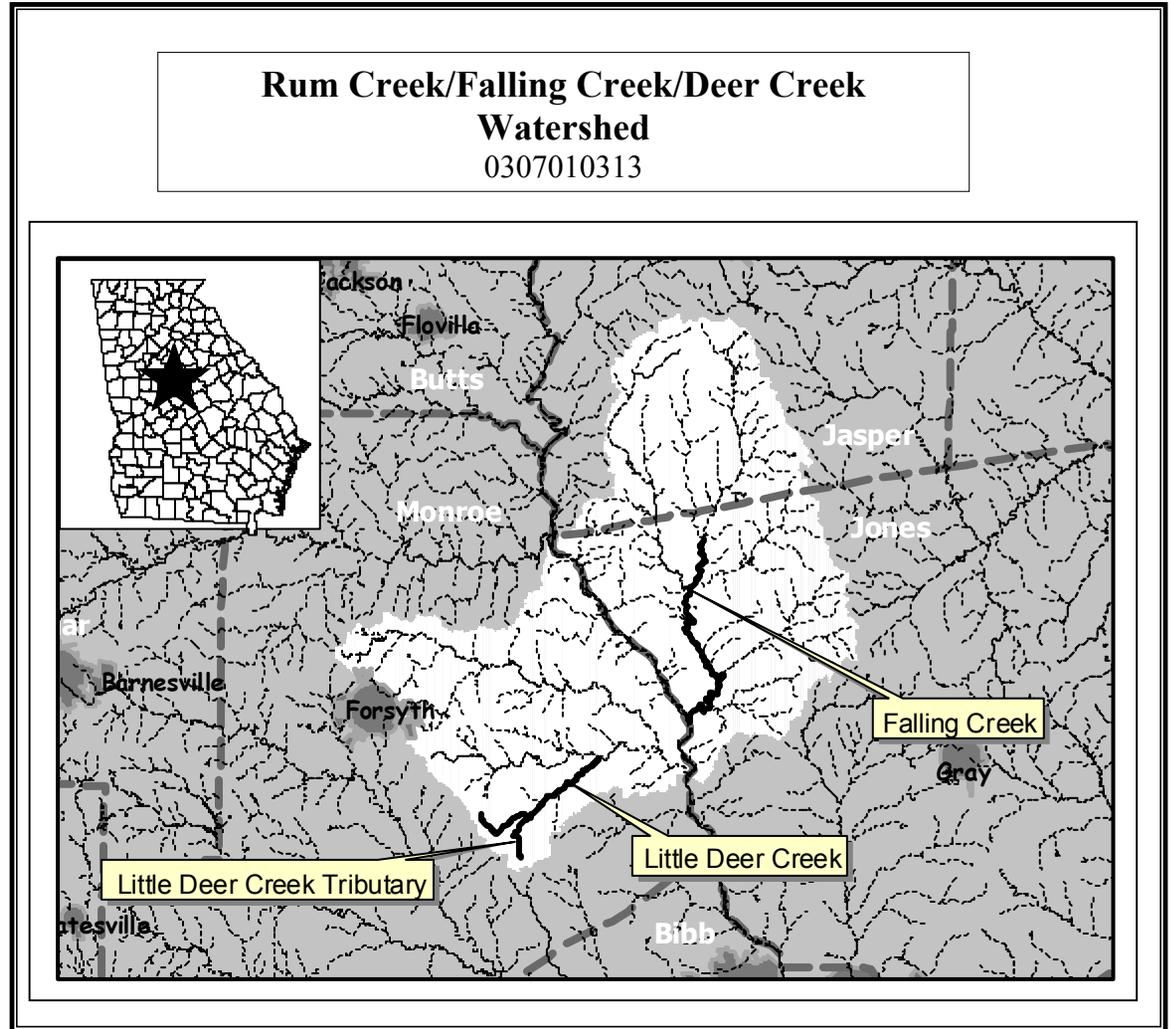


FIGURE 1

Impaired Waterbody*	Impaired Stream Location	Impairment
1. Falling Creek	Little Falling Creek to Ocmulgee River	Fecal Coliform
2. Little Deer Creek	Headwaters to Deer Creek	Bio (sediment)
3. Little Deer Creek Tributary	Headwaters to Little Deer Creek	Bio (sediment)

*These Waterbody Numbers are referenced throughout the Implementation Plan.

POLLUTANT:	SOURCE:	EFFECT:	WHAT CAN I DO?	
			At Home: Community, School	At Work: Business, Government
<input type="checkbox"/> Dissolved Oxygen (DO)	<input type="checkbox"/> Industrial	<input checked="" type="checkbox"/> Habitat	<ul style="list-style-type: none"> • Regular Maintenance of Septic Tanks • Start or participate in an Adopt-A-Stream program • Keep eyes open for sources of sediment runoff – e.g. poor soil erosion prevention practices in nearby development • Learning more about erosion/sedimentation • Cease mowing stream buffers • Keep eyes open that existing riparian buffers are left undisturbed 	<ul style="list-style-type: none"> • If involved in forestry, follow Georgia Forestry BMPs • If involved in agriculture, follow related BMPs • If involved in contracting/development, follow local Soil and Erosion Sedimentation laws • If involved with unpaved road maintenance, adopting relevant BMPs
<input checked="" type="checkbox"/> Fecal Coliform (FC)	<input checked="" type="checkbox"/> Urban	<input type="checkbox"/> Recreation		
<input checked="" type="checkbox"/> Sediment	<input type="checkbox"/> Agriculture	<input type="checkbox"/> Drinking Water		
<input type="checkbox"/> Metals	<input checked="" type="checkbox"/> Forestry	<input type="checkbox"/> Aesthetics		
<input type="checkbox"/> Fish Consumption Guidelines (FCG)	<input type="checkbox"/> Residential	<input type="checkbox"/> Other (Please List)		
<input type="checkbox"/> Other (Please List)	<input checked="" type="checkbox"/> Other (Please List) Mining Wildlife Unpaved Legacy Roads Sediment			

INFORMATION/EDUCATION/OUTREACH ACTIVITIES

An education/outreach component will be used to enhance public understanding of and participation in implementing the TMDL Implementation Plan.
List of all previous and planned information/education/outreach activities.

Entity	Description	Impacted Waterbodies*	Target Audience	Anticipated Dates (MM/YY)
Press Release	Public information about Falling Creek	Falling Creek, Jones County	County and region residents	01/03
Public Education	List of "Do's and Don'ts" related to dumping	Falling Creek, Jones County	County residents and visitors to Wildlife Refuge	06/03
Public Education	Compile list of local dumping stations	Falling Creek, Jones County	Permit Hunters of Wildlife Refuge	11/03
Press Release	Public information about Little Deer Creek and its Tributary	Little Deer Creek & Trib., Monroe County	County and region residents	01/03
Public Education	List of "Do's and Don'ts" related to SES	Little Deer Creek & Trib., Monroe County	Commercial and Residential Developers	06/03
Public Education and Outreach	Establish Adopt-A-Stream programs in Monroe and Jones counties	Little Deer Creek & Trib., Falling Creek	County and region residents	11/03

STAKEHOLDERS

EPD encourages public involvement and the active participation of stakeholders in the process of improving water quality. Stakeholders can provide valuable information and data regarding their community and the impaired water bodies and can provide insight and/or implement management measures.

List of local governments, agricultural organizations or significant landholders, commercial forestry organizations, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

Name/Organization	Address	City	State	Zip	Phone	E-Mail
Danny Rogers	1051 Fickling Church Way	Canton	GA	30114		
Phillip Crane	121 Dawson Drive	Powder Springs	GA	30073		
David Green, Sr./HGMV LLP	P. O. Box 6438	Macon	GA	31208	478-744-9800 x26	david@clhp.com
Evelyn Harris	452 Jarrell Plantation Road	Gray	GA	31032		
P. Benson Ham, et al/ Sleepy Creek Farms	805 Reedy Creek Road	Forsyth	GA	31029		
Hugh G. Rader	1190 Hill Road	Forsyth	GA	31029		
Nancy Battle	484 Hill Road	Forsyth	GA	31029		
Clifford M. Stewart	3002 Hanover Lane	Conyers	GA	30208		
Lawrence Marable	1716 Ironwood Circle	Macon	GA	31201		
Stonehill Homeowners Ass., Inc. Andy Phelps/ Oglethorpe Power Company	120 Stonehill Drive P. O. Box 1349	Forsyth Tucker	GA GA	31029 30085		
John H. Ambrose, Sr.	2600 Rumble Road	Juliette	GA	31046	478-994-6756	jhambrose@earthlink.net
Leah Kung Ho	5741 Kentucky Downs Drive	Macon	GA	31210		
H. H. Hardin Trust	P. O. Box 390	Forsyth	GA	31029		
Gary R. Solt	385 Piedmont Lake Drive	Pine Mountain	GA	31822		
Rebecca Grant Knapp	112 Farm Field Avenue	Charleston	SC	29407		
Plum Creek Timberlands LP	999 Third Avenue, Suite 2300	Seattle	WA	98104		
Inge Lykkeberg Rumble	305 Margaret Drive	Forsyth	GA	31029		
Genevieve R. Miller, et al	386 N. Indian Springs Drive	Forsyth	GA	31029		
Kay Mooney/Co-Flint River Plant Weyerhaeuser	P. O. Box 238	Oglethorpe	GA	31068		
Prime Places LLC	P. O. Box 736	Forsyth	GA	31029		
David Bennett/Ga. Soil & Water Conservation Commission	P. O. Box 8024	Athens	GA	30603		
Dennis Brooks/NRCS, USDA Service Center	205 East Jeffersonville	Madison	GA	30650	706-342-1315	
Ben Brown/Piedmont Soil & Water Conservation District	3014 Heritage Road, Suite 1	Milledgeville	GA	31061		
Grady Calvert/Piedmont Soil & Water Conservation District	3014 Heritage Road, Suite 1	Milledgeville	GA	31061		
Dean Cates/Jones County Farm Bureau	Highway 129 H.	Gray	GA	31032		

Pam Christopher/Forsyth/Monroe Chamber of Commerce	P. O. Box 811	Forsyth	GA	31029	478-994-9239	pchristo@forsythcable.com
Ralph Crumley/Piedmont Soil & Water Conservation District	3014 Heritage Road, Suite 1	Milledgeville	GA	31061		
Joe Duckworth/Cattlemen's Association	299 Barrows Ferry Road	Milledgeville	GA	31061		
Brent Dykes/Ga. Soil & Water Conservation Commission	3014 Heritage Road, Suite 1	Milledgeville	GA	31061	478-445-5766	bdykes@gaswcc.org
Mike Giles/Georgia Poultry Federation	P. O. Box 763	Gainesville	GA	30503	770-532-0473	mike@gapf.org
John Grimes/Piedmont Soil & Water Conservation District	3014 Heritage Road, Suite 1	Milledgeville	GA	31061		
Deron King	P. O. Box 1447	Forsyth	GA	31029		
Gail King	P. O. Box 189	Forsyth	GA	31029		
Nathan Klaus/Georgia DNR	116 Rum Creek Drive	Forsyth	GA	31029	478-994-1438	naklaus@mindspring.com
Dana Lynch/Monroe County Cooperative Extension Service	90 Martin Luther King Drive	Forsyth	GA	31029		
Drew Marczak/The Timber Company	P. O. Box 1069	Watkinsville	GA	30677		
Abit Massey/Georgia Poultry Federation	Box 763	Gainesville	GA	30503		
Sandra McKinney/Jones Co./Gray Chamber of Commerce	P. O. Box 686	Gray	GA	31032		
Bill Meaks/Poultry Science Dept.	University of Georgia	Athens	GA	30602	706-542-9182	bmeaks@UGA.edu
Don Morse/UGA Cooperative Extension Service	1109 Experiment Street Flynt Building, Room 227	Griffin	GA	30223-1797		
John Niederhofer/Water Resources Branch-Ga. EPD	4220 International Pkwy., Suite 101	Atlanta	GA	30354	404-675-1654	j_niederhofer@dnr.state.ga.us
Jim Peters/Monroe County Commissioner	475 Blue Ridge School Road	Forsyth	GA	31029	478-994-9689	jmpl@mindspring.com
David Pitts/Piedmont Soil & Water Conservation District	3014 Heritage Road, Suite 1	Milledgeville	GA	31061		
Mark Risse/UGA Cooperative Extension Service	Driftmier Engineer Bldg., UGA	Athens	GA	30602		
Frank Sears/Jones County Cooperative Extension Service	P. O. Box 400	Gray	GA	31032		
William Segars/College of Agriculture/Envir. Sciences	Plant Sciences Building, UGA	Athens	GA	30602		
Robert Shulstead/College of Agriculture/Envir. Sciences	University of Georgia. Conner Hall	Athens	GA	30602		
Wayne Tankersley/UGA Cooperative Extension Service	1109 Experiment Street Flynt Building, Room 227	Griffin	GA	30223-1797		

Mike Tanner/ Georgia Forestry Commission	2692 Highway 441 S.	Milledgeville	GA	31061	
David Thompson/Calges, Inc.	P. O. Box 570	Forsyth	GA	31029	478-994-5156 CagleFarmInc.@aol.com
Joe Thornton	676 North Cross Road	Gray	GA	31032	
Bobby Underwood/ Monroe County Farm Bureau	433 North Frontage Road	Forsyth	GA	31029	
Larry Walker/ Weyerhaeuser Company	P. O. Box 238	Oglethorpe	GA	31068	478-472-5269 Larry.Walker@Weyerhaeuser.com
Clay Washburn/Jones County	P. O. Box 1359	Gray	GA	31032	478-986-6405 jonescty@alltel.net
Harold West/ Georgia Forestry Commission	119 Highway 49	Milledgeville	GA	31061	478-445-5164 hwest@gfc.state.ga.us
Wayne Williams/Georgia Cattlemen's Association	1473 Hunting Club Road	Crawfordville	GA	30631	
Tom Wooten/ Georgia Forestry Commission	302 Milledgeville Road	Eatonton	GA	31024	
Leon Smith	977 Edge Road	Forsyth	GA	31029	478-994-5834
Elizabeth Watts	50 Mays Street	Forsyth	GA	31029	478-994-6688
Tiffany Wharton/Environmental Code Enforcement	P. O. Box 1359	Gray	GA	31032	478-986-6084 jcclean@mylink.net
Jim Ham	P. O. Box 255	Smarr	GA	31086	478-994-0589 javham@aol.com
J. Benjamin Spear, Jr.	543 Spear Road	Forsyth	GA	31029	478-994-5442
Heather Duncan/ Macon Telegraph	P. O. Box 4167	Macon	GA	31208	478-744-4225 hduncan@macontel.com

WATER BODIES/STREAMS COVERED IN THIS PLAN:

These impaired streams are located in the same sub-basin identified by a HUC10 code. Most of the information contained in this section comes from the 303(d) list and has been completed by employees of the EPD Water Protection Branch. Data that placed stream on 303(d) list will be provided upon request.

Waterbody Name #1	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Falling Creek	Little Falling Creek to Ocmulgee River	9	Fishing	NS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
Jones				Nonpoint
Pollutants	Water Quality Standards	Required Reduction	TMDL ID	Date TMDL Established
Fecal Coliform	1000/100 ml (geometric mean Nov. – April) 200/100 ml (geometric mean May – Oct.)	52%		February 2002

Waterbody Name #2	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Little Deer Creek	Headwaters to Deer Creek	6	Fishing	PS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
Monroe				Nonpoint
Pollutants	Water Quality Standards	Required Reduction	TMDL ID	Date TMDL Established
Bio (sediment)	NA	66.6%		January 2002

Waterbody Name #3	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
Little Deer Creek Tributary	Headwaters to Little Deer Creek	1	Fishing	PS
Primary County	Secondary County	Second RDC		Source (Point/ Nonpoint)
Monroe				Nonpoint
Pollutants	Water Quality Standards	Required Reduction	TMDL ID	Date TMDL Established
Bio (Sediment)	NA	94.4%		January 2002

POLLUTANT SOURCES

It is important to recognize the potential source(s) causing water quality impairment. Each source must be controlled to comply with target TMDL/Load Allocations for each pollutant. Included is a description of how the sources contribute to the impairment and the waterbody that is impaired.

List of major nonpoint source categories and sub-categories or individual sources (Urban Runoff, Agriculture, Forestry, Municipal Sewage Treatment Plant)

Pollutant	Sources of Pollutants	Description of Contribution To Impairment	Impacted Waterbodies*
Fecal Coliform	Wildlife	Deposits feces onto land surfaces where it can be transported during storm events to nearby streams, illegal dumping of animal viscera.	Falling Creek
Fecal Coliform	Septic Tanks	Houses in southern Jasper County, above the identified stream segment, could have failing septic systems	Falling Creek
Fecal Coliform	Deer Camps along stream	The least likely contributor, deer camps along the stream may have some impact from untreated waste.	Falling Creek
(Bio) Sediment	Poor Maintenance of Dirt Roads	Neglected County culverts and ditches convey excess sediment to stream during storm events.	Little Deer Creek
(Bio) Sediment	Commercial and Residential Development east of Interstate 75	Neglected silt fence and related structures allow unchecked sediment to leave disturbed areas after a storm event	Little Deer Creek
(Bio) Sediment	Silviculture (Poor Logging Practices)	Possible introduction of sediment from normal practices and stream crossings when BMPs are not followed.	Little Deer Creek
(Bio) Sediment	Legacy Sediment	Sediment added to stream in years still contributing to impairment	Little Deer Creek Tributary
(Bio) Sediment	Hansen Aggregates (local quarry)	Possible addition of sediment load to stream from tailings from quarry operations	Little Deer Creek Tributary
(Bio) Sediment	Interstate 75	Possible channeled stormwater from Interstate 75 adding to problem.	Little Deer Creek & its Tributary

MANAGEMENT MEASURES, MEASURABLE MILESTONES AND SCHEDULE

(i.e. Local codes and ordinances, Erosion and Sedimentation Control, Storm Water Management, Local water resource monitoring)

The following table lists management measures that have been or will be implemented to achieve water quality standards and the load reductions established in the TMDL. The management measures, including regulatory or voluntary actions or other controls by governments or individuals, specifically apply to the pollutant and the waterbody for which the TMDL was written. A description is provided of how these management measures are/will be accomplished through reliable and effective delivery mechanisms, and how these management measures are/will help achieve the target TMDL. Included is the source of the pollutant, anticipated/past effectiveness of the management measure (very effective, somewhat effective, not effective), the current status (i.e. enforced, in-progress, planning), and measurable milestones and schedule. Milestones are used to measure progress in attaining water quality standards and to determine whether management measures are being implemented.

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/Projected Date	Status	Regulatory/Voluntary
Georgia Water Quality Act (OCGA 12-5-20)	Georgia DNR/EPD	Makes it unlawful to discharge excessive pollutants (sediments, nutrients, pesticides, animal waste, etc) into waters of the State in amounts harmful to public health, safety, or welfare, or to animals, birds, or aquatic life or the physical destruction of stream habitats.	1964	In progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Point and Non-Point Sources (FC), Silviculture, Commercial and Residential Development (Sediment)	Falling Creek, Little Deer Creek, and Little Deer Creek Tributary	
Bio (Sediment)			

Measurable Milestones	Schedule		Comments
	Start	End	
Georgia EPD responsible for enforcement and compliance, for listed sources, but is listed here with particular respect to Fecal Coliform.	On-going		
Georgia Forestry Commission investigates and mediates silvicultural complaints on behalf of EPD. Unresolved complaints are turned over to EPD for enforcement. Status reports can be provided to the RDC as needed	On-going		
Hansen Aggregates has recently filed Notice of Intent to EPD to be covered under the general storm water permit. They will be required to develop and keep on-site a storm water pollution prevention plan and will be subject to inspections.	2003		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Federal Farm Bill (Swampbuster)	USDA / NRCS	Prohibits landowners participating in federal price support programs from converting forested wetlands to agriculture		In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Bio (Sediment)	Agriculture	Little Deer Creek & Little Deer Creek Trib.	

Measurable Milestones	Schedule		Comments
	Start	End	
Georgia Forestry Commission can provide reports as needed.	On-going		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Georgia Growth Planning Act (OCGA 12-2-8) Part V Environmental Criteria	Georgia DNR, DCA, MGRDC, and local units of government	Authorized Georgia DNR to develop minimum planning standards and procedures that local jurisdictions could adopt and enforce pertaining to the protection of river corridors, mountain tops, water supply, watersheds/reservoirs, groundwater recharge areas, and wetlands. Silvicultural activities may be exempted from permitting requirements provided the activity complies with BMPs.	2006 (Part of Unified Planning Work Program)	Proposed	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Bio (Sediment)	Silviculture, Commercial and Residential development	Little Deer Creek & Little Deer Creek Trib.	

Measurable Milestones	Schedule		Comments
	Start	End	
Georgia Forestry Commission can determine applicability and forestry BMP implementation for Monroe County.	On going		
Adoption of full ordinance complement by Monroe County.	2005 - 2006		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Soil/Sedimentation Control Ordinance	Monroe County	Developers of land disturbing activities greater than 1.1 acres must submit a SES plan for review by Monroe County and the NRCS.	N/A	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Bio (Sediment)	Commercial & Residential development	Little Deer Creek & Little Deer Creek Trib.	

Measurable Milestones	Schedule		Comments
	Start	End	
Monroe County reviews submitted plans and checks for compliance, then forwards on to the NRCS for further review. Monroe County is responsible for providing enforcement and compliance with local ordinance.	On going		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Georgia's Forestry Best Management Practices	Georgia Forestry Commission (matters involving enforcement are generally referred to Ga EPD)	Inform landowners, foresters, timber buyers, loggers, site preparation and reforestation contractors and others involved with silvicultural operations about commonsense, economical effective practices to minimize non-point sources and thermal pollution.	1989, 1997	In-progress	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Bio (Sediment)	Silviculture	Little Deer Creek & Little Deer Creek Trib.	

Measurable Milestones	Schedule		Comments
	Start	End	
See below management measure.	2003		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Georgia Forestry Commission Monthly BMP Assurance Examination	Georgia Forestry Commission (matters involving enforcement are generally referred to Ga EPD)	In an effort to document "reasonable assurance" that water quality will be proactively protected during regular ongoing silvicultural operations, the GFC will offer a monthly BMP assurance examination of active sites. All active or ongoing sites will be identified either through monthly air patrol flights, courthouse records, riding the roads, or notification of landowners. Sites located within watersheds of specific biota (sediment) impaired streams will be given a higher priority to identify and conduct examinations.	01/01/03	Proposed	Voluntary (violations of the Federal CWA or the Georgia Water Quality Control Act may become a regulatory issue)

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Bio (Sediment)	Silviculture	Little Deer Creek & Little Deer Creek Trib.	

Measurable Milestones	Schedule		Comments
	Start	End	
GFC can provide status reports as needed	2003		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Unpaved Road Maintenance BMPs	Monroe County	Monroe County adoption of BMPs regarding unpaved road maintenance	2004	Proposed	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Bio (Sediment)	Unpaved roads	Little Deer Creek & Little Deer Creek Trib.	

Measurable Milestones	Schedule		Comments
	Start	End	
County to implement BMPs as part of normal operating procedures	2004	-	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Monroe County Greenspace Program	Monroe County	Established committee to advise county on targeting general and specific areas to designate as greenspace.	2003	On-going	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Bio, habitat, sediment, nutrients	Silviculture, Commercial and Residential development	Little Deer Creek & Little Deer Creek Trib.	

Measurable Milestones	Schedule		Comments
	Start	End	
Committee will develop implementation plan and advise County on future purchases of suitable Greenspace property/easements.	On-going		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Clean Water Act/Section 404	EPA/ Army Corps of Engineers	Requires permit to dredge and fill activities in lakes, rivers, and perennial and intermittent streams, wetlands, sloughs, and natural ponds. Requires normal forestry practices to adhere to BMPs and 15 baseline provisions for forest road construction and maintenance and agriculture in order to qualify for the silviculture exemption from the permitting process.	1972, 1986, 1988	In-progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Bio (Sediment)	Silviculture, Roads, etc	Little Deer Creek & Little Deer Creek Trib.	

Measurable Milestones	Schedule		Comments
	Start	End	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
New Septic Tank Installation	Jones County Health Department	Reviews location and plans for new septic tank installation to ensure state regulations are met. On-site inspection of new septic tanks to ensure proper installation.	N/A	In progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Leaking or sub-standard septic systems	Falling Creek	

Measurable Milestones	Schedule		Comments
	Start	End	
Plans and recommendations are reviewed on a case-by-case basis. Unresolved complaints are forwarded on to Ga. EPD for enforcement.	On-going		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
DNR/WRD Volunteer Instructors as well as PNWR staff	Georgia DNR	Hunter education of proper disposal of animal and human waste.	11/03	Proposed	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Animal viscera dumped in stream	Falling Creek	

Measurable Milestones	Schedule		Comments
	Start	End	
Distribution of materials to permit hunters	11/03	02/04	
Incorporation into Hunter Safety Education classes	10/03	02/04	
Containers handed out to hunters for animal viscera by US Forest Service	On-going		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Jones County Solid Waste Ordinance	Jones County	Similar to Georgia Water Quality Act, this local ordinance outlaws dumping in the County, with particular respect to streams and waterways	2000	Underway	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform	Animal viscera dumped in stream	Falling Creek	

Measurable Milestones	Schedule		Comments
	Start	End	
Jones County to enforce ordinance		On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/Voluntary
Georgia Erosion and Sedimentation Act	Georgia DNR/EPD State Soil and Water Conservation Commission	Requires permits and plans for land-disturbing activities, plans to allow for control and treatment of any source of sediments and adequate sedimentation control facilities to retain sediment to preclude sedimentation of adjacent waters.	1975	In progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Bio (Sediment)	Silvi- culture, Commercial and Residential Development (Sediment)	Little Deer Creek, and Little Deer Creek Tributary	

Measurable Milestones	Schedule		Comments
	Start	End	
Legislation calls for the adoption of local procedures governing land-disturbing activities. DNR can adopt procedures if absent locally.		On-going	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/Voluntary
NPDES General Permit #GAR000000	Georgia DNR/EPD	Regulates all point source discharges of storm water associated with industrial activity to the waters of the State of Georgia.	1998	In progress	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Bio (Sediment)	Point Sources (Mining)	Little Deer Creek, and Little Deer Creek Tributary	

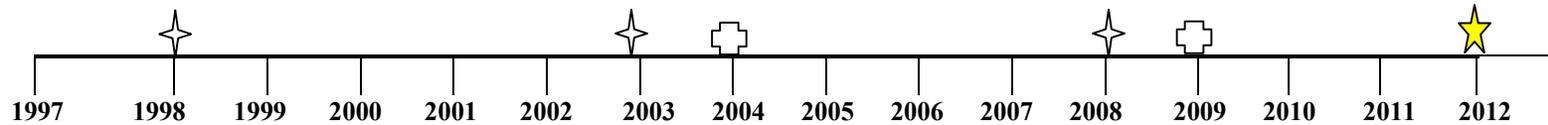
Measurable Milestones	Schedule		Comments
	Start	End	
Storm Water Pollution Prevention Plan required from all facilities.	On-going		

POTENTIAL FUNDING SOURCES The identification and discussion of dedicated funding is important in determining the economic feasibility of the above-mentioned management measures.

Funding Source	Responsible Authority	Status	Anticipated Funding Amount	Impacted Waterbodies*
Jones County General Fund: Funds for testing	Jones County Board of Commissioners	Proposed	\$1,500	Falling Creek
Jones County General Fund: Funds for Public Education	Jones County Board of Commissioners	Proposed	\$300	Falling Creek
Georgia DNR Greenspace Program	State of Georgia/ Monroe County	On-going	\$81,603 FY 2002	Little Deer Creek & Little Deer Creek Trib
US EPA Section 604(b) grant funds	Georgia DNR/Middle Georgia RDC	On-going		Little Deer Creek & Little Deer Creek Trib and Falling Creek
US EPA Watershed Surveys and Planning Program	US Environmental Protection Agency	On-going		Little Deer Creek & Little Deer Creek Trib and Falling Creek

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 EPD.



- EPD Monitoring
- Evaluate TMDL & Attainment Date
- Project Attainment

MONITORING PLAN

The purpose of this monitoring plan is to determine the effectiveness of the target TMDL and the management measures being implemented to meet water quality standards. List of previous, current or planned/proposed sampling activities or other surveys. (Monitoring data that placed stream on 303(d) list will be provided if requested.)

Name Of Regulation / Ordinance Or Management Measure	Organization	Impacted Waterbodies*	Pollutants	Purpose/Description	Time Frame		Status (Previous, Current, Proposed)
					Start	End	
Additional Sampling	Jones County Board of Commissioners	Falling Creek	Fecal Coliform	Jones County has agreed to sample the stream at different locations along the segment using EPD's testing protocol in an attempt to better define the problem.	2003	2003	Proposed

CRITERIA TO DETERMINE WHETHER SUBSTANTIAL PROGRESS IS BEING MADE

The following set of criteria will be used to determine whether any substantial progress is being made towards reducing pollutants in impaired waterbodies and attaining water quality standards. Discussion on each criteria is recorded in the space provided. Additional relevant criteria are presented in comments.

Percent of concentration or load change (monitoring program) Should monitoring by Jones County reveal similar Fecal Coliform readings, Jones County asks that EPD reconsider the set thresholds to allow for wildlife, as there is little other explanation for source of pollutants. The entire affected stretch of Falling Creek falls within the Piedmont National Wildlife Refuge (see map in appendix).

If monitoring results show that it is unlikely that the TMDL will be adequate to meet water quality standards, revision of the TMDL may be necessary.

- Categorical change in classification of the stream (delisting the stream is the goal) As stated above, Jones County officials believe the TMDL to be arbitrarily high, and would like EPD to reconsider raising the threshold, thereby de-listing the stream. Monroe County officials have requested a more exact data collection attempt other than measuring the amount of life in a stream and defaulting sedimentation as the culprit.

- Regulatory controls or activities installed (ordinances, laws) Both Jones and Monroe counties will be adopting the Georgia Growth Planning Act Part V Environmental Ordinances in 2005-2006 may add more “teeth” to existing ordinances and laws.

- Best management practices installed (agricultural, forestry, urban) Pending further review, Monroe County may choose to adopt the *Recommended Practices Manual: A Guideline for Maintenance and Service of Unpaved Roads.*

COMMENTS (From Committee)

Little Deer Creek & Tributary – If legacy sediment is one of the contributing sources, not much can be done to lower the threshold.

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TOGETHER WE CAN MAKE A DIFFERENCE!