

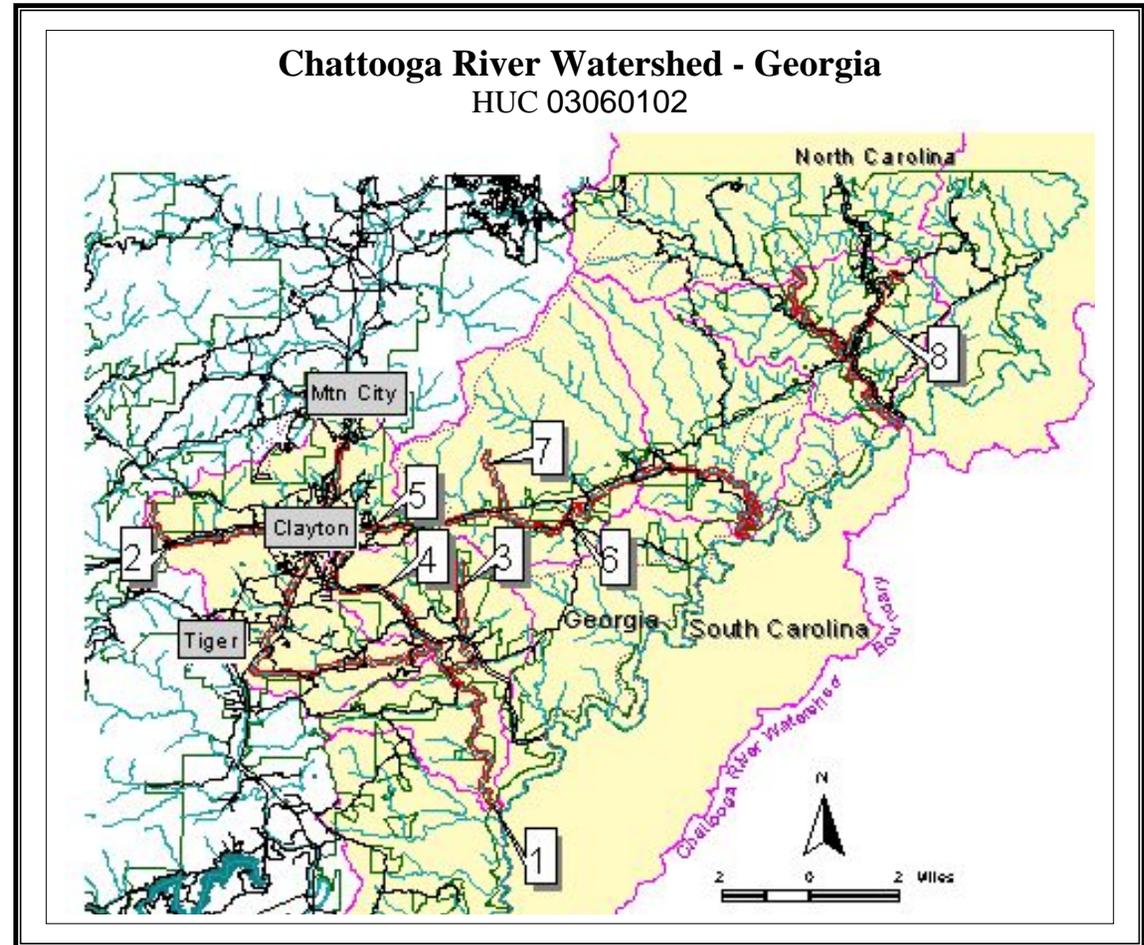
**STATE OF GEORGIA**  
**TMDL IMPLEMENTATION PLAN**  
**WATERSHED APPROACH**  
**SAVANNAH RIVER BASIN**

Local Watershed Governments

- Georgia Mountains RDC
- Rabun County
- City of Clayton
- Town of Tiger
- City of Mountain City

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, this 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 streams.



Impaired Waterbody*	Impaired Stream Location	Pollutant	Impaired Waterbody*	Impaired Stream Location	Pollutant
1. Stekoa Creek	Mtn City to Clayton to Chattooga River	Biota (Sediment)	6. Upper Warwoman Creek	East of Clayton flows to Chattooga R	Biota (Sediment)
2. Scott Creek	West of Clayton	Biota	7. Law Ground Creek	Trib Warwoman Creek	Biota
3. Pool Creek	Small trib Chechero Creek	Biota	8. Roach Mill Creek	Trib to West Fork	Biota
4. Chechero Creek	Southeast of Clayton flows to Chattooga R	Biota			
5. Saddle Gap Creek	East of Clayton – trib Stekoa Creek	Biota			

\*These Waterbody Numbers are referenced throughout the Implementation Plan.

# Action Plan for Chattooga River Watershed

Chattooga River Watershed  
HUC 03060102

POLLUTANT:	SOURCE:	EFFECT:	WHAT CAN I DO?	
			At Home: Community, School	At Work: Business, Government
<input type="checkbox"/> Dissolved Oxygen (DO) <input type="checkbox"/> Fecal Coliform (FC) <input checked="" type="checkbox"/> Sediment <input type="checkbox"/> Metals <input type="checkbox"/> Fish Consumption Guidelines (FCG) <input type="checkbox"/> Other (Please List)	<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban <input checked="" type="checkbox"/> Agriculture <input checked="" type="checkbox"/> Forestry <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Other (Please List)	<input checked="" type="checkbox"/> Habitat <input checked="" type="checkbox"/> Recreation <input type="checkbox"/> Drinking Water <input checked="" type="checkbox"/> Aesthetics <input type="checkbox"/> Other (Please List)	Help the county and cities meet this TMDL (by <u>reducing sedimentation</u> in the creeks and by <u>reducing the velocity</u> of stream flow during and after rain storms) by doing the following: <ul style="list-style-type: none"> <li>• Learn more about erosion and sedimentation</li> <li>• Cease mowing stream buffers</li> <li>• Teach students about erosion and sedimentation and the effects on water quality and land use quality</li> <li>• Plan new developments upland from streams</li> <li>• Start or help fund an Adopt-A-Stream club in your neighborhood</li> </ul>	Help the county and cities meet this TMDL (by <u>reducing sedimentation</u> in the creeks and by <u>reducing the velocity</u> of stream flow during and after rain storms) by doing the following: <ul style="list-style-type: none"> <li>• Learn more about erosion and sedimentation</li> <li>• Cease mowing stream buffers</li> <li>• Start or help fund an Adopt-A-Stream club at your business</li> <li>• Gov't can enforce ordinances already in place</li> <li>• Farmers can suggest to county reps to provide incentives for stream buffer protection</li> <li>• Farmers can reduce sedimentation at individual sites with gov't help</li> </ul>

## 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.

Responsible Organization Or Entity	Description	Impacted Waterbodies*	Target Audience	Anticipated Dates (MM/YY)
Stekoa Creek Group	Partnership of local private and public stakeholders organized to help improve and protect Stekoa Creek	1,2,3,4,5	Gov't officials and Rabun Co citizens in the Stekoa Creek watershed	04/01
GMRDC	Contracted with GA EPD to provide TMDL Implementation Planning	1,2,3,4,5,6,7,8	GMRDC region (northeast GA)	Continuous
Chattooga Conservancy	Grassroots conservation organization dedicated to protecting the Chattooga River Watershed	1,2,3,4,5,6,7,8	Citizens and environmental activists in the entire Chattooga watershed	Continuous
Chattooga Land Trust	Local land trust organization that seeks land to protect for watershed protection	1,2,3,4,5,6,7,8	Gov't and environmentalists	Continuous
Georgia Forestry Commission	Conduct forestry Best Management Practices educational training at Master Timber Harvester and continuing logger education programs, civic programs, and landowner meetings.	1,2,3,4,5,6,7,8	Foresters, timber buyers and loggers, site preparation contractors, landowners	Continuous
UGA – Agriculture and Applied Economics	Recently received a Section 319 grant to establish a database of private landowners who would be willing to work with NRCS to protect streamside or riparian areas that are vulnerable	1,2,3,4,5,6,7,8	Private landowners	05/02 – 09/95
USDA – Farm Service Center	Blairsville office of farming tech assistance	1,2,3,4,5,6,7,8	Agriculture community	Continuous
USDA – NRCS	The NRCS provides money and assistance to private landowners who wish to help conserve soil and water	1,2,3,4,5,6,7,8	Private landowners	Continuous

## 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
Rabun County Commission	25 Courthouse Square, Ste 201	Clayton	GA	30525	(706) 782-5271	<a href="mailto:jjbleckley@alltel.net">jjbleckley@alltel.net</a>
City of Clayton	99 North Church St	Clayton	GA	30525	(706) 782-4512	
Stekoa Creek Group	396 Highway 441 S	Clayton	GA	30525	(706) 782-4231	<a href="mailto:jduvall@rabun.net">jduvall@rabun.net</a>

Name/Organization	Address	City	State	Zip	Phone	E-Mail
Georgia Forestry Commission	P.O. Box 819	Macon	GA	31202	478-751-3485	
Georgia Forestry Association	500 Pinnacle Court, Ste. 505	Norcross	GA	30071	770-416-7621	
Southeastern Wood Producers American Forest & Paper Assoc.	P.O. Box 9	Hilliard	FL	32046	904-845-7133	
Barbara and Bob Westbrook	2368 Pinnacle Drive	Clayton	GA	30525	(706) 782-3007	<a href="mailto:mosemt@rabun.net">mosemt@rabun.net</a>
Chattooga Conservancy	2368 Pinnacle Drive	Clayton	GA	30525	(706) 782-6097	<a href="mailto:crwc@rabun.net">crwc@rabun.net</a>
Bill White	P.O. Box 8024	Athens	GA	30603	(706) 542-3065	<a href="mailto:bwhite@gaswcc.org">bwhite@gaswcc.org</a>
Hon. Carol Jackson (Sen)	P.O. Box 2246	Cleveland	GA	30528	(706) 219-2419	<a href="mailto:senatorjackson@alltel.net">senatorjackson@alltel.net</a>
Hon. Ralph Twiggs (Rep)	P.O. Box 432	Hiawassee	GA	30546	(706) 896-2574	
Jack Wise	P.O. Box 309	Long Creek	SC	29658	(864) 647-5361	<a href="mailto:wise@nuvox.net">wise@nuvox.net</a>
Grady Nichols	6740 Persimmon Rd	Clayton	GA	30525	(706) 782-4855	
Jeff Aaron	41 Library Circle	Clayton	GA	30525	(706) 782-3113	<a href="mailto:jdaaron@uga.edu">jdaaron@uga.edu</a>
Jimmy Bramblett (UGA)	315 B Conner Hall	Athens	GA	30602	(706) 542-0750	<a href="mailto:jbramblett@agecon.uga.edu">jbramblett@agecon.uga.edu</a>
Julie Owens (EDP)	4220 International Prkwy, Ste 101	Atlanta	GA	30354	(404) 675-1651	<a href="mailto:julie_owens@mail.dnr.state.ga.us">julie_owens@mail.dnr.state.ga.us</a>
Kyle Burrell	303 Swanson Drive	Lawrenceville	GA	30043	(770) 962-1387	<a href="mailto:kbema@bellsouth.net">kbema@bellsouth.net</a>
Michelle Huffman (EPD 319)	4220 International Prkwy, Ste 101	Atlanta	GA	30354	(404) 675-1651	<a href="mailto:Michelle.Huffman@dnr.state.ga.us">Michelle.Huffman@dnr.state.ga.us</a>
Randy Fowler	809 Highway 441 South	Clayton	GA	30525	(706) 782-3320	<a href="mailto:dlfowler@fs.fed.us">dlfowler@fs.fed.us</a>
Susan Varlamoff	315 B Conner Hall	Athens	GA	30602	706-542-2151	<a href="mailto:varlamof@arches.uga.edu">varlamof@arches.uga.edu</a>
Rabun County Chamber of Commerce	232 Highway 441	Clayton	GA	30525	(706) 782-4812	<a href="mailto:chamber@rabun.net">chamber@rabun.net</a>
Rabun County Board of Education	P.O. Box 468	Clayton	GA	30525	(706) 746-5376	<a href="mailto:cprince@rabun.k12.ga.us">cprince@rabun.k12.ga.us</a>

## 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.

Waterbody Name #1	Location	Miles/Area Impacted	Use Classification	Partially Supporting/ Not Supporting (PS/NS)
<b>Stekoa Creek</b>	Clayton	14	Fishing	NS
Primary County	Secondary County	Second RDC	Source (Point/ Nonpoint)	
Rabun County			Nonpoint	
Pollutants	Water Quality Standards	Required Reduction	TMDL ID	Date TMDL Established
Biota (sediment)	Ability to maintain the biological integrity of the waters of the State (GA's Rules and Regulations for Water Quality Control, Ch. 391-3-6)	75%		4/30/01

<b>Waterbody Name #2</b>	<b>Location</b>	<b>Miles/Area Impacted</b>	<b>Use Classification</b>	<b>Partially Supporting/ Not Supporting (PS/NS)</b>
<b>Scott Creek</b>	West of Clayton	4	Fishing	NS
<b>Primary County</b>	<b>Secondary County</b>	<b>Second RDC</b>	<b>Source (Point/ Nonpoint)</b>	
Rabun			Nonpoint	
<b>Pollutants</b>	<b>Water Quality Standards</b>	<b>Required Reduction</b>	<b>TMDL ID</b>	<b>Date TMDL Established</b>
Sediment	Ability to maintain the biological integrity of the waters of the State (GA's Rules and Regulations for Water Quality Control, Ch. 391-3-6)	50%		4/30/01
<b>Waterbody Name #3</b>	<b>Location</b>	<b>Miles/Area Impacted</b>	<b>Use Classification</b>	<b>Partially Supporting/ Not Supporting (PS/NS)</b>
<b>Pool (She) Creek</b>	Trib to Chechero Crk	3	Fishing	NS
<b>Primary County</b>	<b>Secondary County</b>	<b>Second RDC</b>	<b>Source (Point/ Nonpoint)</b>	
Rabun			Nonpoint	
<b>Pollutants</b>	<b>Water Quality Standards</b>	<b>Required Reduction</b>	<b>TMDL ID</b>	<b>Date TMDL Established</b>
Sediment	Ability to maintain the biological integrity of the waters of the State (GA's Rules and Regulations for Water Quality Control, Ch. 391-3-6)	15%		4/30/01
<b>Waterbody Name #4</b>	<b>Location</b>	<b>Miles/Area Impacted</b>	<b>Use Classification</b>	<b>Partially Supporting/ Not Supporting (PS/NS)</b>
<b>Chechero Creek</b>	Downstream of Clayton	4	Fishing	NS
<b>Primary County</b>	<b>Secondary County</b>	<b>Second RDC</b>	<b>Source (Point/ Nonpoint)</b>	
Rabun			Nonpoint	
<b>Pollutants</b>	<b>Water Quality Standards</b>	<b>Required Reduction</b>	<b>TMDL ID</b>	<b>Date TMDL Established</b>
Sediment	Ability to maintain the biological integrity of the waters of the State (GA's Rules and Regulations for Water Quality Control, Ch. 391-3-6)	50%		4/30/01
<b>Waterbody Name #5</b>	<b>Location</b>	<b>Miles/Area Impacted</b>	<b>Use Classification</b>	<b>Partially Supporting/ Not Supporting (PS/NS)</b>
<b>Saddle Gap Creek</b>	East of Clayton	2	Fishing	NS
<b>Primary County</b>	<b>Secondary County</b>	<b>Second RDC</b>	<b>Source (Point/ Nonpoint)</b>	
Rabun			Nonpoint	
<b>Pollutants</b>	<b>Water Quality Standards</b>	<b>Required Reduction</b>	<b>TMDL ID</b>	<b>Date TMDL Established</b>
Sediment	Ability to maintain the biological integrity of the waters of the State (GA's Rules and Regulations for Water Quality Control, Ch. 391-3-6)	77%		4/30/01

<b>Waterbody Name #6</b>	<b>Location</b>	<b>Miles/Area Impacted</b>	<b>Use Classification</b>	<b>Partially Supporting/ Not Supporting (PS/NS)</b>
<b>Upper Warwoman Creek</b>	East of Clayton	4	Fishing	NS
<b>Primary County</b>	<b>Secondary County</b>	<b>Second RDC</b>	<b>Source (Point/ Nonpoint)</b>	
Rabun			Nonpoint	
<b>Pollutants</b>	<b>Water Quality Standards</b>	<b>Required Reduction</b>	<b>TMDL ID</b>	<b>Date TMDL Established</b>
Sediment	Ability to maintain the biological integrity of the waters of the State (GA's Rules and Regulations for Water Quality Control, Ch. 391-3-6)	64%		4/30/01
<b>Waterbody Name #7</b>	<b>Location</b>	<b>Miles/Area Impacted</b>	<b>Use Classification</b>	<b>Partially Supporting/ Not Supporting (PS/NS)</b>
<b>Law Ground Creek</b>	Trib to Warwoman	2689	Fishing	NS
<b>Primary County</b>	<b>Secondary County</b>	<b>Second RDC</b>	<b>Source (Point/ Nonpoint)</b>	
Rabun			Nonpoint	
<b>Pollutants</b>	<b>Water Quality Standards</b>	<b>Required Reduction</b>	<b>TMDL ID</b>	<b>Date TMDL Established</b>
Sediment	Ability to maintain the biological integrity of the waters of the State (GA's Rules and Regulations for Water Quality Control, Ch. 391-3-6)	67%		4/30/01
<b>Waterbody Name #8</b>	<b>Location</b>	<b>Miles/Area Impacted</b>	<b>Use Classification</b>	<b>Partially Supporting/ Not Supporting (PS/NS)</b>
<b>Roach Mill Creek / West Fork</b>	Trib to West Fork	4407 meters	Fishing	NS
<b>Primary County</b>	<b>Secondary County</b>	<b>Second RDC</b>	<b>Source (Point/ Nonpoint)</b>	
Rabun			Nonpoint	
<b>Pollutants</b>	<b>Water Quality Standards</b>	<b>Required Reduction</b>	<b>TMDL ID</b>	<b>Date TMDL Established</b>
Sediment	Ability to maintain the biological integrity of the waters of the State (GA's Rules and Regulations for Water Quality Control, Ch. 391-3-6)	44%		4/30/01

## 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*
Sediment	Unpaved or poorly maintained roads	Dirt roads on public and private roads contribute to most of the sedimentation pollution [EPA TMDL 4/30/01]	1,2,3,4,5,6,7,8
Sediment	Construction runoff prior to the limitations established by the General Storm Water Permit (GSWP)	Prior to the GSWP establishment, construction and land disturbing activities took place and erosion of soil, or sedimentation, contributed to the pollution. The GA GSWP was developed to reduce the input of sediment from construction activities. [EPA TMDL 4/30/01] This sedimentation still affects the watershed.	1,2,3,4,5,6,7,8,
Sediment	New construction runoff	All existing and new stormwater point sources within the State of Ga, that are required to have a permit (more than 5 acres disturbed), are authorized to discharge stormwater associated with the limitations, monitoring requirements and other conditions set forth in Parts I through VII of the GA Storm Water General Permit. The permit limitations are established to assure that the storm water runoff from these point source sites does not cause or contribute to the existing sediment impairment. Also a comprehensive monitoring plan with turbidity monitoring requirements is required to assure any storm water discharge (during a rain event) from the site does not cause or contribute to the existing sediment problem.	1,2,3,4,5,6,7,8
Sediment	Silviculture	Possible introduction of sediment from normal practices and stream crossings when BMPs are not followed.	1,2,3,4,5,6,7,8,
Sediment	Low intensity residential	No buffer restoration along streams and creeks	1,2,3,4,5
Sediment	Agriculture	Row Crops without buffer along streams, stream bank erosion at animal	1,2,3,4,5,6,7,8
Sediment	In stream velocity (bad hydrologic quality)	Sediment that sits in the streambeds and on the stream banks can erode and add to the problem as stormwater flow (velocity) increases	1,2,3,4,5,6,7,8

## 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
Erosion and Sedimentation Control Ordinance	Rabun County	Establishes stream protection measures for construction sites in county and cities	1990	Currently enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Sediment	Land disturbance sites	1,2,3,4,5,6,7,8	

Measurable Milestones	Schedule		Comments
	Start	End	
Updates can be obtained by county enforcement officer			Because of the problems associated with soil erosion, Rabun County and all of its cities enforce provisions of the GA Soil E&S Control Act as part of either their Zoning Ordinances, Development Regulations or permitting processes. The County handles building permits for the town of Tiger. Some of these controls include the following: minimizing cut-fill operations; retaining as much natural vegetation on the site as possible; installing temporary vegetation on exposed and vulnerable soil areas; trapping sediment run-off by use of silt traps, sediment basins, berms and minimizing the duration a disturbed area is exposed. [Rabun County Comprehensive Plan]

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
GA General Storm Water Permit	Georgia EPD	More than 5 acres land disturbance	2000	Currently enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Sediment	Storm water from land disturbance activities	1,2,3,4,5,6,7,8	Good

Measurable Milestones	Schedule		Comments
	Start	End	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
GA Growth Planning Act (OCGA 12-2-8)	GA DNR, Department of Community Affairs, and local units of government	Authorized GA 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	1991	Local jurisdictions have to adopt ordinances to address these areas	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Biota, habitat, sediment	Silviculture		

Measurable Milestones	Schedule		Comments
	Start	End	
GFC can determine applicability and implementation for local units of government.	Continuous		BMP

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Federal Farm Bill (Swampbuster)	US Department of Agriculture Natural Resource Conservation Service	Prohibits landowners participating in federal price support programs from converting forested wetlands to agriculture		Current	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Biota (habitat)	Agriculture		

Measurable Milestones	Schedule		Comments
	Start	End	
Status reports can be provided as needed	Continuous		

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Georgia Water Quality Control Act (OCGA 12-5-20)	GA 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	Current	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Sediments, nutrients, pesticides, and habitat	Silviculture	Sediments, nutrients, pesticides, and habitat	Silviculture

Measurable Milestones	Schedule		Comments
	Start	End	
GFC investigates and mediates silvicultural complaints on behalf of EPD. Unresolved complaints are turned over to EPD for enforcement. Status reports can be provided to RDC as needed.		Continuous	

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Zoning Ordinance	City of Clayton	Designates land uses, density and building requirements within the city	1991	Currently enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Sediment, velocity of streamflow		1,2,3,4,5,6,7,8	

Measurable Milestones	Schedule		Comments
	Start	End	
GMRDC planning staff, DCA updates			

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Watershed Protection, US Forest Service Management Plan	US Forest Service	US Forest Management Plan	?	Currently enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Sediment	Stream buffers	1,2,3,4,5,6,7,8	?

Measurable Milestones	Schedule		Comments
	Start	End	

Watershed protection is also required in Federal lands through the Forest Management Plan. Setbacks and land disturbing activities in the National Forest are already regulated more strictly than in non-federal lands

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Section 404 Wetland Stream Protection	US Army Corps of Engineers	If a perennial stream (blue lines on USGS maps) is filled in or moved because of development, the US ACE has to issue a 404 permit.	?	Currently enforced	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Sediment	New Infill or road crossings	1,2,3,4,5,6,7,8	

Measurable Milestones	Schedule		Comments
	Start	End	

US ACE (Savannah District) can provide updates

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
<b>Federal Clean Water Act Section 404</b>	EPA (situations involving forestry are normally referred to the GFC to determine compliance with this regulation)	Requires normal ongoing agricultural and silvicultural practice to adhere to BMPs and 15 baseline provisions for road construction and maintenance in and across waters of the US including lakes, rivers, perennial and intermittent streams, wetlands, sloughs in order to qualify for the exemption from the permitting process.	June 6, 1988	Current	Regulatory

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Sediment from dredge or fill activities	Agriculture and silviculture		EPA identifies silviculture as the lowest contribution source of nonpoint pollution

Measurable Milestones	Schedule		Comments
	Start	End	
GFC can report status on accomplishments or complaints investigated involving this act to the RDC as needed.	Continuous		

## 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*
Section 319 Nonpoint Source Pollution	US EPA, GA DNR	On going	\$116,801	1,2,3,4,5,6,7,8
PL-566 (Watershed Plan Environ Assessment)	USDA	After 319 program	\$500,000	1,2,3,4,5,6,7,8
State Wetlands Grant Program	US EPA	Could be used for riparian	\$250,000	1,2,3,4,5,6,7,8
Mitigation Banking Credits	US ACE (Army Corps of Engineers)	Could be started by the Stekoa Creek Group	\$10,000 – \$100,000	1,2,3,4,5,6,7,8
State Revolving Loan Fund	Georgia Environmental Facilities Authority	Could be used to update stormwater systems	\$100,000s	1,2,3,4,5

## 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	
Forest Water Quality Program	GFC		Biota	BMP Education			Current
	GFC			Complaint Investigation			Current
	GFC			BMP Monitoring monthly Assurance Exams			Proposed
NPDES General Stormwater Permit	GA DNR	1,2,3,4,5,6,7,8	Turbidity	GA DNR receives data from construction sites that are required to monitor the turbidity of their stormwater runoff being discharged into state's waters	02/15/01	Present	Current
EPA's TMDL Monitoring Program	US EPA	1,2,3,4,5,6,7,8	Sediment	Used to develop TMDL (Van Lear report)			Previous

### 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) \_\_\_\_\_

- Categorical change in classification of the stream (delisting the stream is the goal) No

*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.*

- Regulatory controls or activities installed (ordinances, laws) None

- Best management practices installed (agricultural, forestry, urban)

The GFC has proposed to conduct monthly aerial reconnaissance of the watershed and monitor all active sites to provide for "reasonable assurance" that BMPs are implemented on these sites. Cases of noncompliance will be turned over to EPD for enforcement

NRCS has provided funds for Ag BMPs (feed pads, stream crossings, stream buffer restoration, etc)

### COMMENTS

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**Environmental Protection Division of the Department of Natural Resources,  
State of Georgia.**

**TOGETHER WE CAN MAKE A DIFFERENCE!**