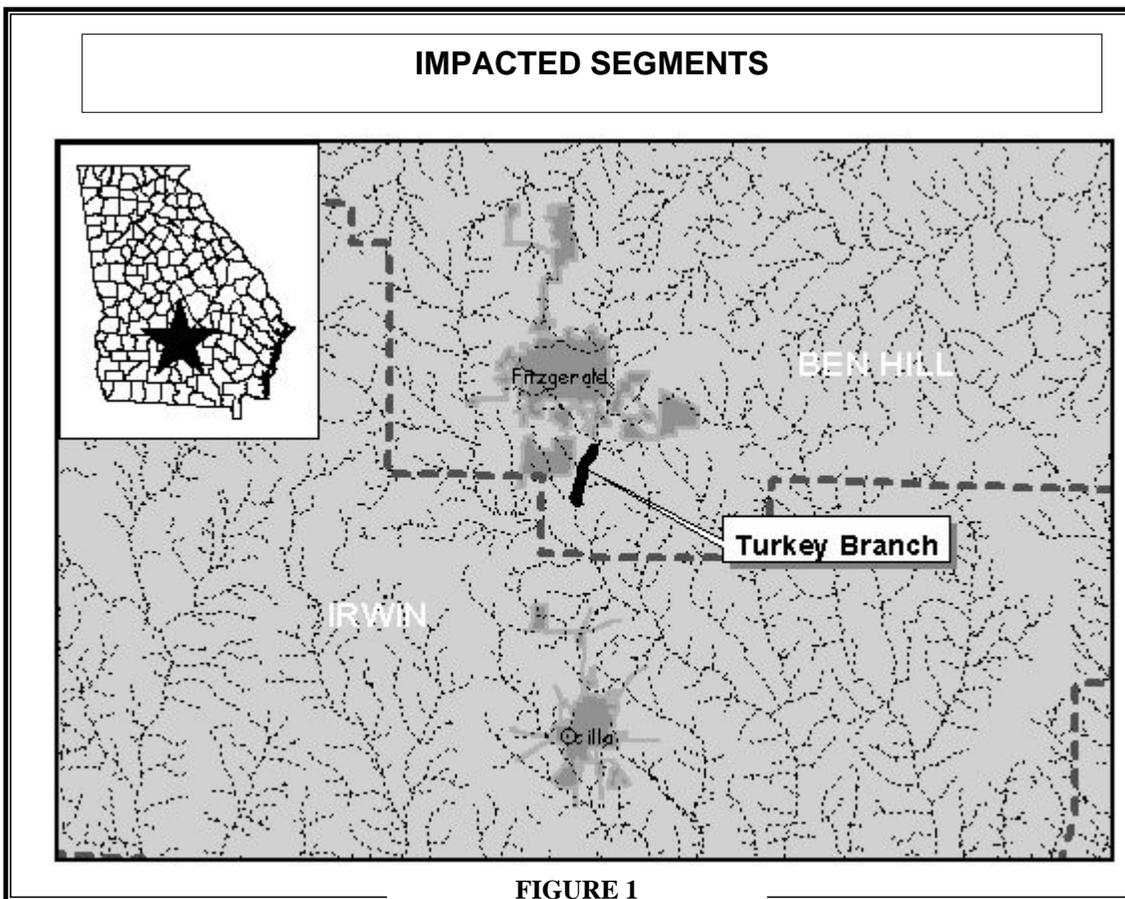


**STATE OF GEORGIA
TMDL IMPLEMENTATION PLAN**

**For Lead in Turkey Branch
Suwannee River Basin**

Prepared by
The Georgia Department of Natural Resources
Environmental Protection Division
Atlanta, GA

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. 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.



Impaired Waterbody Name	Location	Miles/Area Impacted	River Basin
1. Turkey Creek	Fitzgerald	8	Suwannee

INTRODUCTION

In June 2000, the Georgia Environmental Protection Division (GA EPD) established a Total Maximum Daily Load (TMDL) for lead. The City of Fitzgerald WPCP (NPDES Permit # GA0047236) treats both municipal and industrial wastewater using an activated sludge system. It is the only major point discharger in the Turkey Branch watershed.

DISCUSSION OF POLLUTANT

Lead is a naturally occurring metal found throughout the environment. Lead and/or lead compounds containing lead have been used in paint, as an anti-knock additive in gasoline, in batteries, solder and other metal products. Lead can affect almost every organ in the body. The nervous system is particularly sensitive to excessive amounts. Lead may be ingested or inhaled.

WATERBODIES COVERED IN THIS PLAN

The State of Georgia's 2000 Section 303(d) list identifies 8 miles of Turkey Branch from its headwaters to its confluence with the Willacoochee River as not supporting its designated use of fishing due to lead. The TMDL established for low-flow critical conditions is as follows:

Chronic=0.10256 kg/day

Acute= 2.6210 kg/day

POLLUTANT SOURCE(S)

The TMDL identifies the C.A. Newcomer WPCP as a municipal point source for the impairment.

PLAN FOR IMPLEMENTATION OF TMDL/ MONITORING PLAN

The discharge permit for the City of Fitzgerald's C.A. Newcomer WPCP was revised on August 28, 2002 to include effluent and instream monitoring for lead. Terms of the revised permit require the City of Fitzgerald to monitor total recoverable lead once per month for twelve months after issuance of the permit. Should the results indicate that lead is present at levels of concern, GA EPD may reopen the permit to include specific chemical limits for these parameters.

STAKEHOLDERS

City of Fitzgerald, Ben Hill County, Delphi Automotive Systems, Aeroquip Corp., Custom Profiles Corp.

REFERENCES

Agency for Toxic Substances and Disease Registry, 1999. *Copper CAS # 7439-92-1.*