

**STATE OF GEORGIA  
TMDL IMPLEMENTATION PLAN  
FECAL COLIFORM PARAMETER  
FOR CHICKASAWHATCHEE CREEK, DOUGHERTY COUNTY, GEORGIA**

**Background**

Chickasawhatchee Creek in Dougherty County, Georgia has a beneficial water use classification of fishing and is currently listed as an impaired water body. The degree of impairment is classified as a partially supporting use and the TMDL for Chickasawhatchee Creek is set at a target level of 175 cfu/100 ml of water, a level that will allow the water body to achieve water quality standards necessary for the beneficial use classification of fishing.

The target levels are the fecal coliform levels established in Georgia's Water Quality Standards, as listed in Georgia Rules and Regulations for Water Quality, November 1996. The criterion for fecal coliform bacteria from May through October is a 30-day geometric mean of 200 mpn/100ml and from November through April a 30-day geometric mean of 1,000 mpn/100 ml with a maximum of 4,000 mpn/100 ml. Note mpn is defined as most probable number and is equivalent to cfu.

A Total Maximum Daily Load (TMDL) is a calculation of the maximum amount of a pollutant, from both point and non-point sources, that a waterbody can receive and still meet water quality standards. The Clean Water Act, section 303, establishes the water quality standards and the TMDL programs. TMDLs are simply the implementation of rules included in Section 303(d) of the Clean Water Act of 1972. The resulting inventory of impaired streams and water bodies – called the 303(d) list – provides a basis for decisions related to restoring water quality. Although some TMDLs are aimed at managing all sources of pollution which affect beneficial uses of water, the focus of the implementation plan discussed here relates primarily to nonpoint sources of fecal coliform, including contamination from diffuse sources such as agricultural and urban runoff.

Methods of measuring pathogens directly are costly and time-consuming. In most cases, indicator organisms are used instead of analyzing the pathogens themselves. These indicator organisms are bacteria that also occur in human and animal waste, but generally are not pathogens themselves. In contrast to pathogens, the coliforms are easy to collect and count, and often provide at least an indication of whether or not fecal matter has entered the water body. The downside of using indicator organisms, like coliforms, is that coliform tests are generally nonspecific; they do not distinguish between human and other animal coliform. However, at present, this is our best source of indication. Loads are expressed in terms of cells per 100 ml of water.

The purpose of this plan is to recommend activities to reduce fecal coliform levels flowing into Chickasawhatchee Creek. See the attached Chickasawhatchee Creek Study Area map which outlines the Chickasawhatchee Creek drainage basin.

**Existing TMDL and Monitoring Data**

Few sources of data are available to determine levels of fecal coliform (FC) present in Chickasawhatchee Creek. The monitoring data listed in the TMDL determination document include six sample-collection dates during April through September 1995, and two dates during November and December 1995. These data were collected or analyzed by Environmental Protection Division, Georgia Department of Natural Resources or U.S. Geological Survey, Florida District.

Dates of high FC readings were correlated to rainfall records for the Albany, Dougherty County, area. The July 18, 1995 monitoring (790 cfu/100 ml) was preceded by three days of rainfall in the amounts of 0.5 inches recorded July 15; 1.69 inches recorded July 16, and 1.17 inches July 17. A second high FC

reading from December 6, 1995 (4900 cfu/100ml) appeared to have less of a correlation with rainfall. Rainfall amounts preceding the Dec. 6 monitoring were 0.82 inches recorded Dec. 4; 0.16 inches recorded Dec. 5; and 0.07 inches recorded Dec. 6.

The model indicates that fecal coliform loading from agricultural runoff and baseflows are the primary source of impairment of the stream. Additional monitoring of the watershed is highly recommended. If additional monitoring continues to show exceedances of the fecal coliform standard, then it is recommended that hydrologic, hydraulic, and water quality data should be collected to develop a better calibrated model.

More data are needed to identify sources of nonpoint source pollution within the watershed. Local expertise and involvement from environmental agencies, federal agencies, schools and universities, and other sources will play critical roles in identifying sources and reducing fecal coliform levels in Chickasawhatchee Creek, and the base flow which enters the stream segment.

### **Land Use**

The Chickasawhatchee Creek drainage basin, as identified in the TMDL Development document is a 28.5 acre model area. The 303(d) list identifies a 7 mile segment. Also, the area drains a very large wetland and aquifer recharge area known in many documents as Swamp of Toa or Chickasawhatchee Swamp. Further information about this area is contained in Technical Summary Document for The Central Dougherty Plain Advance Identification of Wetlands (EPA 904/R-97/005 August 1997). Since the area is upstream of the J.W. Jones Ecological Research Center in southern Baker County, several research studies have included the Chickasawhatchee Swamp.

The land use along the eastern border of Chickasawhatchee Creek through Dougherty and Calhoun Counties includes the Albany Nursery Wildlife Management Area, and large quail plantations operating since the late 1800s. The western border of Chickasawhatchee Creek is largely agricultural use, with a few permitted irrigation systems drawing water from the creek. North of the modeled area is Terrell County. Land use is predominantly agricultural, and development in the county began in the late 1850s. The majority of the county uses septic tanks, with City of Dawson operating the only waste water treatment plant in the county.

Possible causes of increased levels of fecal coliform in Chickasawhatchee Creek include: human waste from sewage leaks or septic tank leaks, domestic animals, livestock, or rural wildlife. Monitoring and analysis of data collected as a part of the implementation plan will be necessary to determine the actual source of the fecal coliform bacteria. . It was reported in stakeholder meetings that a meat processing operation, perhaps unpermitted, was located near the City of Leary, about 7 miles west of the creek. It is unclear whether this small operation is still in operation during hunting seasons. A few stakeholders mentioned during interviews that it is not uncommon for hunters to discard remains of deer in or near creeks after field dressing. This information indicates a need to gather more information from agencies familiar with hunters, and, if indicated, follow-up with education outreach efforts aimed at sportsmen.

### **Existing Regulatory or Voluntary Actions**

Georgia is in the process of implementing a watershed approach to water resource management through River Basin Management Planning. River basin planning is the foundation for implementation of water protection strategies in Georgia. This approach provides the framework and schedule for actions to address the waters on the Georgia 303(d) list. The basin planning program is based on legislation in 1992 (O.C.G.A. 12-5-520) by the Georgia General Assembly which calls for EPD to develop river basin management plans for each of the major river basins in Georgia. The Flint River Basin Management Plan was completed in 1997.

Three environmental protection amendments to the Dougherty County Zoning Ordinance have been implemented since June 1999. These ordinances include Groundwater Recharge Area Protection, River Corridor Protection (including Chickasawhatchee Creek), and Wetlands Protection Ordinance. Neighboring Terrell County and Calhoun County completed implementation of similar ordinances in early 2001. Adoption of these environmental protection ordinances is required under the Georgia Planning Act.

Dougherty County also amended the government's zoning and subdivision ordinance which modified the agricultural land classification from a 10-acre to a 40-acre minimum to preserve large tracts of undeveloped land in western Dougherty County. Terrell County first enacted countywide zoning and subdivision regulations in May 1993. Calhoun County is in the process of developing countywide zoning, with completion expected in June 2001.

In January 2001, City of Dawson received a Community Development Block Grant to extend sewer lines to 33 houses in the Jones Subdivision, north of the city. The area currently is using poorly functioning septic systems, which frequently spilled raw sewage.

Keep Albany-Dougherty Beautiful is among the Keep America Beautiful affiliates in the state which collaborated to develop curriculum and materials for nonpoint pollution education with school-age populations. This educational effort is a part of the overall program efforts of Keep Albany-Dougherty Beautiful to further awareness of a cleaner environment.

The Georgia Adopt-A-Stream program maintains four underlying principles: to increase public awareness of the state's nonpoint source pollution and water quality issues, to provide citizens with the tools and training to evaluate and protect their local waterways, to encourage partnerships between citizens and their local government, and to collect baseline water quality data. The Southwest Georgia Regional Development Center staff are making plans to incorporate 303(d) listed waters, including Chickasawhatchee Creek, into a regional initiative to develop Adopt-A-Stream programs in the 14-county region. This regional initiative also will include an emphasis on establishing Adopt-A-Stream programs geared to agricultural stakeholders.

#### **Recommended Regulatory or Voluntary Actions**

Implementation of measures to address FC levels in the stream segment involves the cooperation of all landowners and land users in the watershed; therefore, broad awareness and involvement are very important to the success of the implementation plan. To better coordinate implementation plan activities, the Southwest Georgia Regional Development Center will establish a Regional TMDL Advisory Group. This group will be composed of individuals with either an interest in or technical knowledge of water quality objectives.

The strong need for increased public awareness of non-point source pollution and its effect on water quality is self-evident. The TMDL Regional Advisory Group will be tasked with coordinating a Mass Media Public Education effort. This ongoing effort is designed to complement existing public education efforts related to improved water quality. This plan will be more fully detailed in the regional implementation strategy, currently under development.

A Water Security Committee of the Southwest Georgia Health and Water Resources Initiative was established March 2001 to address short-term needs related to the continuing drought, and address regional long-term needs of water quality and quantity. This regional committee includes staff of Public Health District 8, Southwest Ga. RDC, Department of Community Affairs, USDA-NRCS, J.W. Jones Ecological Research Center, and Flint River Water Planning and Policy Center. The Southwest Georgia Health and Water Resources Initiative, begun in July 1997, is an informal collaborative group that meets

about six times per year to discuss regional issues related to water and health. The HWRI is a partnership of concerned stakeholders: private citizens; economic development; agriculture; industry; research; education; public health; federal, state and local resource and regulatory agencies; and elected officials.

Expand TAP (Targeting our Aquifers) Project, as feasible, to provide education and funding to agricultural community to support construction and implementation of Best Management Practices for animal waste and chemical use. The initial project is funded through a 319(h) Clean Water Act grant and is focused on poultry waste management in a five-county area.

Other voluntary actions include continued participation in water quality and conservation programs administered by Farm Service Agency and USDA Natural Resources Conservation Service. Effectiveness of these programs require increased funding by U.S. Congress. Demand for these programs outpace available funding.

### **Schedule for Implementing Management Measures**

First year Implementation Plan activities are comprised mostly of establishing a monitoring program, and organizing and training Adopt A Stream groups in different counties in the region. By the second year of the implementation plan, data from the summer season and winter season will be available and preliminary sources of the fecal coliform should be identified and analyzed. Management programs, best management practices, monitoring and evaluation of data, and periodic status reports must continue throughout the five-year implementation plan. If the fecal coliform levels remain above the targeted level of 175cfu/100ml during the fifth year of the plan, the process to develop a more stringent Phase II plan should begin during year five. The projected attainment date is ten years from the acceptance of this implementation plan by EPA.

### **Monitoring Plan**

Water quality monitoring is a critical component in determining the success of the implementation plan. Monitoring helps determine compliance with regulations, major sources of loadings, and the effect of regulatory and voluntary measures implemented in the drainage basin. No two watersheds are alike. Therefore, the monitoring of the particular watershed, rather than relying on computer model data, is critical to determine the fecal coliform levels actually present in the impaired water body.

Levels of fecal coliform in Chickasawhatchee Creek will be monitored by standard periodic grab sampling to calculate an instream 30-day geometric mean fecal coliform. Sampling should be scheduled, at a minimum, semi-annually. Samples should be obtained during the summer season (May through October) and during the winter season (November through April) to provide a complete inventory of the conditions in the Chickasawhatchee Creek basin. In addition, sampling should represent periods of dry weather and post-rainfall monitoring. Levels of fecal coliform have been recorded at higher levels directly after rainfall, so this monitoring is key in identifying sources of fecal coliform bacteria. If a source of the fecal coliform bacteria has not been determined after periodic monitoring, the smaller tributaries to Chickasawhatchee Creek should be monitored to help identify the source.

### **Funding**

There are currently several funding sources available for the county to engage in a stable monitoring schedule. Grant funding from Section 319(h) of the Clean Water Act, Nonpoint Source Implementation Grants, may be used for the installation of best management practices (BMPs) for animal waste and landowner education programs. Capitalization Grants for Clean Water State Revolving Funds is a potential source of funding used to aid in urban runoff control, stormwater overflows, riparian buffers, and other water protection activities. Watershed Assistance Grants are also available through the EPA to aid in the development of partnerships to address water quality issues. Other matching grants may be available through the Environmental Protection Agency's Office of Water for both non-point source

mitigation and water quality testing. Further research into possible funding sources should be continually conducted over the five-year implementation period.

### **Criteria to Determine Progress**

Progress on the implementation plan will be determined through analysis of water quality sampling results. Periodic monitoring will show the trends of fecal coliform levels throughout the five-year period. The number of regulatory controls or best management practices implemented in the Chickasawhatchee Creek drainage basin will also serve as a measure of progress. The implementation plan will be ultimately deemed successful if, at the end of the five-year implementation period, the fecal coliform levels in Chickasawhatchee Creek are below the 175 cfu/100 ml recommended in the TMDL document and the stream is removed from the 303(d) list.

### **Conclusion**

The implementation of regulatory and voluntary management measures, coupled with the regular monitoring of Chickasawhatchee Creek, should reduce the levels of fecal coliform bacteria present in the water body. The plan has a five-year horizon for the restoration of acceptable levels of bacteria. If the fecal coliform levels in Chickasawhatchee Creek are not at an acceptable level by the end of the fourth year of the plan, a second five-year phase of the implementation plan will be developed.

The establishment of an effective TMDL implementation plan is essential to the environmental and economic health of Dougherty County. In order for Dougherty County to continue to grow, any drainage basin that has been determined to have excessive levels of fecal coliform must establish a TMDL implementation plan and make a good faith effort to meet the requirements set forth in the plan. If the implementation plan is not efficiently executed, southwest Georgia could face difficulties in public health, the provision of clean, healthful water, and future economic stability and development.

STATE OF GEORGIA

TMDL IMPLEMENTATION PLAN FOR: Chickasawhatchee Creek Fecal Coliform RIVER BASIN: Flint  
 (STREAM) (PARAMETER) PLAN DATE: March 20, 2001

Prepared by: <u>Carolynn Segers</u>  Southwest Georgia Regional Development Center Address: <u>P.O. Box 346</u> City: <u>Camilla</u> State: <u>GA</u> Zip: <u>31730</u> e-mail: <u>csegers@surfsouth.com</u> Date Submitted to EPD: <u>March 20, 2001</u>		Or Prepared By:  Address: _____ City: _____ State: _____ Zip: _____ e-mail: _____ Date Submitted to EPD: _____	
General Information		Significant Stakeholders	
Obtain this information from the TMDL document or other information. When completed, this document will be a self-contained report independent of the TMDL document.		Identify local governments, agricultural organizations or significant land holders, commercial forestry organizations, businesses and industries, and local organizations including environmental groups with a major interest in this water body.	
TMDL ID (to be entered by EPD)		Name/Organization	Flint River Soil and Water Conservation District
Water body name	Chickasawhatchee Creek	Address	2700 Palmyra Rd.
HUC basin name	Ichawaynochaway Creek	City	Albany State GA Zip 31707-1845
HUC number	03130009	Phone	229-430-4408 e-mail
Primary county	Dougherty, Calhoun	Name/Organization	SWGA Health and Water Resources Initiative
Secondary county	Terrell	Address	Health District 8, Unit 2; 1109 N. Jackson St.
Primary RDC	Southwest Ga.	City	Albany State GA Zip 31701-2022
Secondary RDC		Phone	229-430-4127 e-mail
Water body location	Lat. 31d. 31' 37" Lg. 84d. 27' 12"	Name/Organization	Dougherty County Board of Commissioners
	Dougherty/Calhoun border	Address	P.O. Box 1827
Miles or area impacted	28.5 miles (modeled)	City	Albany State GA Zip 31702
Parameter addressed in plan	Fecal Coliform	Phone	229-431-2121 e-mail
Water use classification	Fishing	Name/Organization	Calhoun County Board of Commissioners
Degree of impairment	Partially supporting use <input checked="" type="checkbox"/>	Address	P.O. Box 226
	Not supporting use <input type="checkbox"/>	City	Morgan State GA Zip 31766
Date TMDL approved by EPA	Feb. 24, 1998	Phone	229-849-4835 e-mail
Impairment due to	Point sources <input type="checkbox"/>	Name/Organization	Terrell County Board of Commissioners
	Nonpoint sources <input checked="" type="checkbox"/>	Address	P.O. Box 525
	Both <input type="checkbox"/>	City	Dawson State GA Zip 31742
<b>Point source-Form A; Nonpoint source-Form B; Both-Form A+B+C</b>		Phone	229-995-4476 e-mail

If more, add to comments on last page.

FORM B

SUMMARY OF ALLOCATION MODEL RESULTS FROM TMDL DOCUMENT (existing load, target TMDL, and needed reduction)

EXISTING LOAD	TARGET TMDL	NEEDED REDUCTION
572 cfu/100ml (summer)	175cfu/100ml	397 cfu/100 ml

I. IDENTIFY **NONPOINT SOURCE** CATEGORIES AND SUBCATEGORIES OR INDIVIDUAL SOURCES WHICH MUST BE CONTROLLED TO IMPLEMENT LOAD ALLOCATIONS:

List major nonpoint sources contributing to impairment including those identified in TMDL document.

SOURCE	DESCRIPTION OF CONTRIBUTION TO IMPAIRMENT	RECOMMENDED LOAD REDUCTION (FROM TMDL)
Base Flow	Nonpoint	94%
Agriculture or Pasture	Nonpoint- beef, dairy, hog and poultry operations	10% (1994)
Urban impervious	Nonpoint-storm water run-off	50%
Urban pervious	Nonpoint-failing septic systems, wildlife,	25% (1994)
Forest land uses	Nonpoint-	0%
Barren land uses	Nonpoint-wildlife, storm water run-off	50%

II. DESCRIBE ANY REGULATORY OR VOLUNTARY ACTIONS INCLUDING MANAGEMENT MEASURES OR OTHER CONTROLS BY GOVERNMENTS OR INDIVIDUALS THAT WILL HELP ACHIEVE THE LOAD ALLOCATIONS IN THE TMDL:

See the attachment for more instructions.

Existing or required regulatory actions

<b>RESPONSIBLE GOVERNMENT, ORGANIZATION OR ENTITY</b>	<b>NAME OF REGULATION/ORDINANCE</b>	<b>DESCRIPTION</b>	<b>ENACTED OR PROJECTED DATE (mm/yy)</b>	<b>STATUS</b>
Dougherty County	Zoning/Subdivision Ordinance Amendment	Modification of Agricultural Classification from 10-acre to 40-acre minimum to preserve large tracts of undeveloped land in western Dougherty County	June 1999	Ongoing-Enforced on future development
Dougherty County	Groundwater Recharge Protection, Wetlands Protection, Protected River Corridor	Required as part of Georgia Planning Act	June 1999	Same as above
Calhoun County	Groundwater Recharge Protection, Wetlands Protection, Protected River Corridor	Required as part of Georgia Planning Act	June 2000	Same as above
Terrell County	Groundwater Recharge Protection, Wetlands Protection, Protected River Corridor	Required as part of Georgia Planning Act	Feb. 2001	Same as above
Terrell County	Countywide Zoning and Subdivision Regulations	Control development in the county.	May 1993	Same as above
Calhoun County	Proposed Zoning	Control development in the county.	underway	Expected completion June 2001
District Health Office	Septic System Permitting	Ensure compliance with state regulations		Ongoing

Existing voluntary actions

<b>RESPONSIBLE ORGANIZATION OR ENTITY</b>	<b>NAME OF ACTION</b>	<b>DESCRIPTION</b>	<b>ENACTED OR PROJECTED DATE (mm/yy)</b>	<b>STATUS</b>
Dougherty County	Keep Albany/Dougherty Beautiful-Nonpoint Pollution Education	Voluntary initiative with Keep Georgia Beautiful	September 2000	Ongoing
Agricultural Adopt A Stream Effort	Organize County Groups	Monitoring of streams by local farmers and/or agricultural groups.	September 2001	Planning stage
Farm Services Agency	Conservation Reserve Program	Continuous sign-up for buffers	1985	Excellent program for ag producers
Natural Resources Conservation Service	Wetland Reserve Program	On-going wetland restoration program	1985	Ongoing
Natural Resources Conservation Service	Environmental Quality Incentives Program	State Priority Items	1997	Yearly sign-up for ag producers
Interagency work group (NRCS, CES, RC&D, RDC,)	Expand TAP (Targeting our Aquifers) Project	319 grant for poultry/livestock waste management and construction of BMPs	July 2001	Implementation to begin
TMDL Regional Advisory Group	Mass Media Public Education	Develop feature articles, interviews, public service announcements about clean water awareness	August 2001	Planning stage

Additional recommended regulatory or other measures which should be implemented to reduce the loads of the TMDL parameter

<b>ENTITY/ORGANIZATION RESPONSIBLE</b>	<b>NAME OF PROPOSED REGULATION/ORDINANCE/ OTHER</b>	<b>DESCRIPTION</b>	<b>ENACTED OR PROJECTED DATE (mm/yy)</b>	<b>STATUS</b>

III. SCHEDULE FOR IMPLEMENTING MANAGEMENT MEASURES OR OTHER CONTROL ACTIONS:

These **must be implemented within five years** of when the implementation plan is accepted by EPA.

IMPLEMENTATION ACTION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Form stakeholders group	X				
Organize implementation work with stakeholders and local officials to identify remedial measures and potential funding sources	X				
Identify sources of TMDL parameter	X	X			
Develop management programs to control runoff including identification and implementation of BMPs (Phase I):					
Agriculture	X	X	X	X	X
Forestry		X	X	X	X
Urban	X	X	X	X	
Mining					
Organize and implement education and outreach programs	X	X	X	X	X
Detect and eliminate illicit discharges	X	X	X		
Evaluate additional management controls needed			X	X	X
Monitor and evaluate results					
Reassess TMDL allocations			X	X	
Provide periodic status reports on implementation of remedial activities	X	X	X	X	X
If needed, begin process for Phase II (next 5 years) and subsequent phases					X

IV. PROJECTED ATTAINMENT DATE AND BASIS FOR THAT PROJECTION:

The projected attainment date is 10 years from acceptance of the implementation plan by EPA.

V. MEASURABLE MILESTONES:

- Number of management controls and activities already implemented 7
- Number of management controls and activities proposed in five-year work program 6
- Number of management controls and activities actually implemented in five-year work period           (to be completed after 5 years)



VII. CRITERIA TO DETERMINE WHETHER SUBSTANTIAL PROGRESS IS BEING MADE:

- % concentration or load change (monitoring program)
- Categorical change in classification of the stream (delisting the stream is the goal)
- Regulatory controls or activities installed (ordinances, laws)
- Best management practices installed (agricultural, forestry, urban)

COMMENTS

Dates of high FC readings were correlated to rainfall records for the Albany area. The July 18, 1995 monitoring (790 cfu/100 ml) was preceded by three days of rainfall in the amounts of .5 inches recorded July 15; 1.69 inches recorded July 16, and 1.17 inches July 17. A second high FC reading from December 6, 1995 (4900 cfu/100ml) appeared to have less of a correlation with rainfall. Rainfall amounts preceding the Dec. 6 monitoring were .82 inches recorded Dec. 4; .16 inches recorded Dec. 5; and .07 inches recorded Dec. 6. A few stakeholders mentioned during interviews that it is not uncommon for deer hunters to discard remains of deer after field dressing near or in creeks. This information indicates a need to gather more information from agencies familiar with hunters, and, if indicated, follow-up with education outreach efforts aimed at sportsmen.

Note that 303d list identifies a 7 mile segment, and the TMDL Development Document references a 28.5 acre model area. Also, area drains a very large wetland and aquifer recharge area.

Additional Stakeholders

Title	FirstName	LastName	Company	Address1	Address2	City	State	PostalCode
Dr.	Elizabeth	Blood	Jones Ecological Research Center	Rt 2, Box 2324		Newton	GA	31770
	Ron	Brown	Natural Resources Conservation Service	1016 Lowe Rd.		Albany	GA	31701
	Paul	DeLoach	Miller Brewing Company	405 Cordele Rd.		Albany	GA	31705
	Elizabeth	Dean	Planning and Development Services	P.O. Box 447		Albany	GA	31702
	Joy Jones	Keys	Sen. Max Cleland's Office	235 Roosevelt Ave., Suite 101		Albany	GA	31701
	Jimmy	Knight	Albany Water Gas & Light	P.O. Box 1788		Albany	GA	31702

Title	FirstName	LastName	Company	Address1	Address2	City	State	PostalCode
	Terry	Kile	GDNR Game Management	2024 Newton Road		Albany	GA	31701
Dr.	James E.	Hook	UGA NESPAL	P.O. Box 748		Tifton	GA	31793-0748
	Kerry	Harrison	GES Engineer	Rural Development Center	P.O. Box 1209	Tifton	GA	31793
	Mel	Jones	Environmental Health Program	Health Dist. 8, Unit 2	1109 North Jackson St.	Albany	GA	31701-2022
Dr.	Richard	Lowrance	Southeast Watershed Research Lab	USDA-ARS		Tifton	GA	31793-0946
	Spencer	Mueller	DCA Region 10	265 N. Main St.		Blakely	GA	31723
Dr.	Paul	Newell	Health District 8, Unit 2	1109 North Jackson St.		Albany	GA	31701-2022
	Commanding General	(Code A490)	Environmental Health Branch	Marine Corps Logistics Base	814 Radford Blvd.	Albany	GA	31704-1128
	Susan	Reyher	Environmental Health Section	Dougherty County Health Dept.	P.O. Box 1827	Albany	GA	31702-1827
	Douglas	Pope	Pope Consultants	1009 Eight Mile Rd.		Albany	GA	31707
	Russ	Ober	Fisheries Management	Ga DNR	2024 Newton Road	Albany	GA	31701
	John	Sperry	Consulting Engineer	2529 East Alberson Dr.		Albany	GA	31707
	Russell	Tonning	Soil and Water Conservation Comm.	2700 Palmyra Rd.		Albany	GA	31707
	Jody	Redding	Sen. Miller's Office	P.O. Box 2648		Moultrie	GA	31768
	Jerry	Usry	Flint River WPPC	P.O. Box 345		Albany	GA	31702-0345
	Elliott	Jones	USGS Hydrologist	3039 Amwiler Road, Suite 130		Atlanta	GA	30360-2824
	Jerome	Brown	Golden Triangle RC&D	712-R County Street		Blakely	GA	31723-2203
Dr.	Craig	Hedman	Forest Resources Division	International Paper	719 Southlands Road	Bainbridge	GA	31717
	Judy	Bowles	Keep Albany Dougherty Beautiful	2106 Habersham Dr.		Albany	GA	31701
Dr.	Steve	Golliday	Jones Ecological	Route 2, Box 2324		Newton	GA	31770

Title	FirstName	LastName	Company	Address1	Address2	City	State	PostalCode
			Center					
	Alan	Isler	Ga Forestry Commission	3561 Hwy. 112		Camilla	GA	31730
	Stephen	Syfrett	Advanced Environmental Technologies	P.O. Box 70246		Albany	GA	31708-0246
	Tony	Roberts	UGA CES District Agent-Agriculture	P.O. Box 1209		Tifton	GA	
	Rome	Ethredge	Seminole County Extension Agent	207 E. Crawford St.		Donalsonville	GA	
	Tim	Moore	Miller County Extension Agent	406 W. Crawford St.		Colquitt	GA	
	Paul	Wrigley	Calhoun County Extension Agent	P.O. Box 309		Morgan	GA	31766