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# **JOINT SOLID WASTE MANAGEMENT PLAN**



*MG letter:  
1/30/06*

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**COLUMBIA COUNTY  
CITY OF GROVETOWN  
CITY OF HARLEM**

Prepared by: CSRA Regional Development Center  
November, 2005



**Prepared by:**

**CSRA Regional Development Center**

**For:**

**Columbia County  
City of Grovetown  
City of Harlem**

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Planning documents, work programs, local ordinances and regulations are constantly updated. It is the responsibility of Plan users to contact the appropriate planning & development, engineering and/or public works department for up-to-date information.

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## 1.0 Introduction

Planning and implementing systems to effectively manage solid waste is a vital responsibility of local government. State government primarily serves a regulatory role in solid waste management, implementing regulations adopted by the State Environmental Protection Division.

Major shifts have occurred in solid waste policies and regulations in the past two decades. A higher level of community involvement has resulted from residents recognizing the impact of solid waste on quality of life issues. Their efforts, combined with state policies, led to more waste reduction education, monitoring of illegal dumping, and expanded curbside recycling services. City Planners are also more aware of the effects of solid waste to the overall planning system and have incorporated these issues into the comprehensive planning process.

In the regulatory arena, the state and federal government have implemented more stringent criteria for siting, design, construction and operation of solid waste facilities, driving regionalization of the solid waste collection and disposal infrastructure. As Georgia communities continue to close municipal solid waste facilities and rely on private sector disposal options, the regulatory role of local governments is expected to increase.

The Georgia Solid Waste Management Act of 1990 requires local governments take certain steps in order to address solid waste management issues. The development of a solid waste management plan provides local communities the opportunity to consider pressing issues.

## 1.1 Background of Solid Waste Management in Georgia

In 1989, the Georgia General Assembly passed SR 103, creating the Joint Solid Waste Management Study Committee to analyze the status of solid waste management statewide and to make recommendations for a comprehensive revision to the 1972 Solid Waste Management Act. The findings and recommendations in the study committee report were drafted as legislation and introduced as an administration bill in the 1990 session of the General Assembly as SB 533, the Georgia Comprehensive Solid Waste Management Act.

SB 533 (the Act) provides a framework to manage solid waste at the local and state level. The first step in implementing the Act is the development of the Georgia Solid Waste Management Plan. The purpose of the State plan is essentially threefold:

1. To present a status report of solid waste management in Georgia.
2. To set forth the state strategy for reducing and managing solid waste, and

3. To establish the procedures and criteria for local/regional solid waste plans and other components of local/regional solid waste management strategy.

The *Joint Columbia County-Grovetown--Harlem Solid Waste Management Plan* represents the next step in the planning process and includes data in seven topic areas that are considered critical components of the solid waste management planning process. These include:

1. Waste Disposal Stream Analysis
2. Waste Reduction Element
3. Collection Element
4. Disposal Element
5. Land Limitation Element
6. Education and Public Involvement Element
7. Implementation Schedule

## 1.2 Local Government Roles and Responsibilities

The Georgia Comprehensive Solid Waste Management Act requires each local government develop a solid waste management plan independently or collectively. The Act deems it necessary that these plans provide assurance of adequate solid waste disposal capabilities for at least ten years from the date of completion of the plan; the documentation of adequate collection capabilities for at least ten years from the date of completion of the plan; enumeration of solid waste handling facilities as to size and type within the plan area; and identification of sites which are not suitable for solid waste handling facilities based on environmental and land use factors.

The Act prevents the issuance of permits, grants, or loans for any solid waste facility and/or equipment not consistent with an approved solid waste management plan.

The Act also requires annual reporting requirements on:

- The amount of solid waste collected, processed, and disposed of in the plan area.
- The progress, toward the reduction in solid waste generation since the previous reporting.
- The remaining permitted volume capacity of disposal facilities.
- Existing recycling and composting activities.
- Public information and education activities conducted.
- Any other pertinent information as required by the state.

The planning requirement is aimed at assessing solid waste management systems statewide and provides an opportunity to review the efficacy of existing laws and regulations.

### 1.3 The Planning Process

The content and planning process in this Plan conform to *Chapter 110-4-3 Minimum Planning Standards and Procedures for Solid Waste Management* of the Rules of Georgia Department of Community Affairs. Each of the 5 core planning requirements (waste reduction, collection, disposal, land limitation, education & public involvement) includes sections on inventories, assessments, needs and goals.

This Plan updates the Columbia County Joint Solid Waste Management Plan adopted in 1993. A number of changes have occurred since the adoption of the 1993 plan. These include:

- Rapid population growth in the unincorporated area and in the City of Grovetown.
- Closing of the county landfill in favor of private sector disposal options.
- The rising importance of regionalism and emergency management.
- Evolving recycling policy.

A working committee composed of solid waste experts from Columbia County and the Cities of Grovetown and Harlem was formed to help direct the Plan. The working committee assisted with required technical data and served as policy liaisons with their respective elected leadership. Furthermore, as required by the solid waste minimum planning standards, two public hearings were held in Columbia County on September 26, 2005 and November 22, 2005 to elicit community input on solid waste needs and goals, and the final draft. Community input was assessed by the working committee and incorporated into the Plan. Finally, neighboring local governments and state agencies were sent copies of the plan for review and comment.

### 1.4 How to Use this Plan

The Columbia County Joint Solid Waste Management Plan is intended to serve as county/city policy and a reference point for potential users. A number of companion planning documents should be used in conjunction with the Plan. These include:

- Columbia County Growth Management Plan
- Columbia County Code of Ordinances (including the Solid Waste Ordinance)
- Grovetown Comprehensive Plan
- Grovetown Code of Ordinances
- Harlem Comprehensive Plan
- Harlem Code of Ordinances
- DNR Environmental Planning Criteria
- Local, State and Federal Plans, Rules and Regulations

Regulations and plans are frequently amended and updated. It is the user's responsibility to contact the appropriate county/city planning, public works or engineering department

for the most up-to-date regulatory and planning documents. Please refer to the disclaimer at the beginning of this document concerning the use of data and information.

### 1.5 Description of the Planning Area

Columbia County and the Cities of Grovetown and Harlem are located in east-central Georgia, approximately 20 miles west of Augusta and 150 miles east of Atlanta. The county and municipalities are members of the Central Savannah River Area Regional Development Center located in Augusta. The County is located along I-20, in proximity to two state capitals, and connections to Interstates 75 and 85 in Atlanta, Charlotte, Raleigh and other large cities via Interstates 26, 77, and 95.

Columbia County is within the Southern Piedmont and the Georgia Sandhills Land Resource Area of Georgia. The Southern Piedmont Area topography consists mostly of broad to narrow, gently sloping ridge tops and moderately steep hillsides adjacent to drainage ways. In most places, the soils are low in silt and mica content. The area is primarily a gently sloping plain dissected by streams in small, shallow valleys. The ridge tops are wider and the drainage ways are fewer in the southern part of the county. Nearly level flood plains are located along the Savannah River and its tributaries. In some places the floodplains are adjacent to moderately steep hillsides.

Columbia County is home to roughly 19% of the Augusta-Aiken Metropolitan Statistical Area population and is one of the fastest growing jurisdictions in the state and nation. Between 1990 and 2000 the population of Columbia County increased from 66,031 to 89,288, or 35.2%. In that same period, Grovetown increased by 69.3% to 6,089 residents while Harlem declined slightly to 1,814 residents. According to the 2000 United States Census, there are 31,120 households in Columbia County, including 2,159 in Grovetown and 704 in Harlem.

Columbia County is considered a bedroom community to Augusta's larger employment base but is slowly diversifying, particularly in retail trade, construction, government, and manufacturing sectors. The County's commercial base is centered on retail & wholesale trade, professional services, and finance, insurance & real estate services. Manufacturing & industrial businesses account for approximately 20% of sector employment and include apparel, paper mills and cart assembly.

Additional information about the County's demographics and economic trends can be obtained by referring the Columbia County Growth Management Plan, the Grovetown Comprehensive Plan and the Harlem Comprehensive Plan.

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## 2.0 Introduction

The Waste Disposal Stream analysis provides an inventory of waste stream generators (e.g., residential, commercial, industrial, C&D, etc.), the types of waste they contribute to the waste disposal stream (e.g. paper, plastic, metal, etc.) and an estimate of these various components as a percentage of the total waste stream.

This information will guide local government decision-making regarding current and future solid waste management service and facility needs. In addition, the data will provide the basis for creating, implementing, and sustaining programs to assist the State achieve a per capita municipal solid waste disposal reduction goal of 25%

## 2.1 Inventory of Waste Disposed

The Columbia County Engineering & Environmental Services Division, Grovetown Department of Public Works, and Harlem Department of Public Works maintain detailed solid waste records. Table 1 provides total waste tonnage for the county landfill and wastes generated by the Cities of Grovetown and Harlem. It is important to note that these rates do not include waste that is disposed by residents or private haulers at sites other than the Columbia County landfill.

Jurisdiction	Total Tonnage	Total Tonnage	Total Tonnage	2002-2004 % Change
	2004	2003	2002	
Columbia County	72,918	70,576	93,339	-21.8%
City of Grovetown	503	430	558	-9.8%
City of Harlem	412	466	430	-4.1%

Source: Columbia County Engineering & Environmental Services Division, Grovetown Department of Public Works, and Harlem Department of Public Works

## 2.2 Waste Characterization

Preliminary analysis of waste characterization from the Georgia Department of Community Affairs sampling study shows the percentage of each type of material in the commercial and residential waste disposed of in an MSW landfill (Table 2). These results suggest that the majority of residential and commercial waste disposed of is materials, organics and plastics.

## WASTE STREAM ANALYSIS

Table 2: DCA Waste Characterization Analysis			
<b>Paper</b>			<b>Organics</b>
Newspaper	4.9%		Yard Waste 1.5%
Corrugated Cardboard	9.6%		Wood (non-C&D) 2.1%
Office	2.5%		Food Waste 11.9%
Magazine/Glossy	3.0%		Textiles 3.8%
Paperboard	3.9%		Diapers 2.7%
Mixed (Other Recyclable)	3.3%		Fines 3.3%
Other (Non-recyclable)	10.0%		Other Organics 0.8%
<b>Total</b>	<b>37.2%</b>		<b>Total</b> 26.1%
<b>Plastic</b>			<b>C&amp;D</b>
#1 PET Bottles	1.7%		Drywall 0.2%
#2 HDPE Bottles	1.2%		Wood 3.1%
#3-#7 Bottles	0.3%		Inerts 0.2%
Expanded Polystyrene	1.6%		Carpet 1.4%
Film Plastic	8.1%		Other C&D 1.0%
Other Rigid Plastic	3.9%		<b>Total</b> 5.9%
<b>Total</b>	<b>16.8%</b>		
<b>Glass</b>			<b>Inorganics</b>
Clear	2.0%		Televisions 0.1%
Green	0.5%		Computers 0.1%
Amber	1.6%		Other Electronics 1.3%
Other	0.5%		Tires 0.3%
<b>Total</b>	<b>4.6%</b>		HHW 0.2%
			Other Inorganics 0.9%
			<b>Total</b> 2.9%
<b>Other</b>	<b>6.5%</b>		
<b>Total</b>	<b>6.5%</b>	<b>Total</b>	<b>100.0%</b>

\*Adapted from Georgia Waste Characterization, Fall 2003

### 2.2.1 Fluctuations in Quantities Disposed

There are no known fluctuations in quantities disposed in the county or municipalities due to known events such as seasonal variations in population, public events, shifts in manufacturing or production processes, landfill bans, or other events.

### 2.3 Anticipated Waste Amounts

The volume of solid waste generated is directly dependent on population size. According to data derived from the Columbia County Growth Management Plan, the County's

## WASTE STREAM ANALYSIS

population will increase to 123,015 by 2015. Table 3 presents waste generation rates using the 1 tone-per person-per year methodology developed by the Columbia County Engineering & Environmental Services Division. Waste generation rates are projected to increase from 103,008 to 123,015 tones per year, or 19.4%

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Population</b>	103,008	105,295	107,582	109,868	112,155	114,327	116,499	118,671	120,843	123,015
<b>Total Tons/Day</b>	282	288	295	301	307	313	319	325	331	337
<b>Total Tons/Yr</b>	103,008	105,295	107,582	109,868	112,155	114,327	116,499	118,671	120,843	123,015

Population Source: Columbia County Planning & Development; Calculations by CSRA RDC

A breakdown of the composition of landfilled waste using waste rates based on the sampling survey is presented in Table 4.

Waste Type	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Paper</b>	38,319	39,170	40,021	40,871	41,722	42,530	43,338	44,146	44,954	45,762
<b>Organics</b>	26,885	27,482	28,079	28,676	29,272	29,839	30,406	30,973	31,540	32,107
<b>Plastic</b>	17,305	17,690	18,074	18,458	18,842	19,207	19,572	19,937	20,302	20,667
<b>C&amp;D</b>	6,077	6,212	6,347	6,482	6,617	6,745	6,873	7,002	7,130	7,258
<b>Glass</b>	4,738	4,844	4,949	5,054	5,159	5,259	5,359	5,459	5,559	5,659
<b>Inorganics</b>	2,987	3,054	3,120	3,186	3,252	3,315	3,378	3,441	3,504	3,567
<b>Other</b>	6,696	6,844	6,993	7,141	7,290	7,431	7,572	7,714	7,855	7,996
<b>Total Tons/Yr</b>	103,008	105,295	107,582	109,868	112,155	114,327	116,499	118,671	120,843	123,015

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**3.0 Introduction**

This section provides detailed information on Columbia County's existing waste reduction programs that target residential, commercial/institutional, industrial, construction and demolition, and inert waste streams.

**3.1 Inventory**

*3.1.1 Waste Reduction and Recycling Programs*

The major types of waste reduction techniques currently in use in Columbia County and the Cities of Grovetown and Harlem are recycling and reuse.

Although there is no county wide recycling program at this time, there are recycling drop off sites for certain recyclables in neighboring counties (see Appendix A). The County is in the process of selecting locations for recycling drop off centers. Four sites have already been identified: (1) Columbia County Government Center, Bld. E, (2) Old Evans Road Fire Station, (3) Gibbs Road Fire Station, and (4) Fury's Ferry Fire Station.

Several area industries recycle corrugated cardboard, office paper, aluminum cans, and metal products (see Table 5). Currently, 12 major industries (employing over 50 people) exist in the County. Each of the major industries was contacted to explore their waste reduction practices. The industries generate waste associated with their manufacturing processes. Products manufactured include cabinets, catalogs, high speed cutting tools, golf cars, shelled pecans, white iron castings, flexible intermediate bulk containers, lumber, non clay refractories, sheet metal duct work, and fabricated bridge steel. Unfortunately little documentation on quantities is available.

**Table 5: Local Company Recycling**

Company	Location	Number of Employees	Sector	Type of Waste Reduction
Augusta Sportswear	Grovetown	477	Jersey Tops	Aluminum cans
Club Car	Evans	1,400	Golf cars	Aluminum cans, scrap metal, steel, paper
GIW Industries	Grovetown	427	Centrifugal Solids Pumps	Aluminum cans, metal shavings, sand reclamation
John Deere	Grovetown	250	Utility Tractors	Aluminum, steel, paper
Kennametal Industries	Evans	425	Drill Bits	N/A
Pepsi Cola Bottling	Martinez	81	Soft Drinks	Aluminum cans, plastics,

				cardboard
Pollard Lumber	Appling	75	Softwood Lumber	None
Serta Mattress	Grovetown	97	Mattresses	Aluminum cans
Sheet Metal Engineers	Martinez	72	Air Conditioning Ducts	N/A
Southern Beverage Packers	Appling	50	Bottled Water	Plastics, cardboard
Tracy-Lucky Co.	Harlem	90	Shelled Pecans	Aluminum cans
U.S. Battery Mfg	Evans	50	Golf & Scrubber Batteries	N/A

N/A: Not Available

The County does not currently process their waste. The County has banned the disposal of mass amounts of tires from the landfill.

To date, the City of Grovetown has conducted the most comprehensive and organized waste reduction efforts. The City has developed an effective voluntary recycling program carried out by Public Works Department employees. City residents presently recycle newspaper, cardboard, plastics, aluminum, metal and glass. The City recently updated a collection trailer and limb chipper for use in its recycling operation. A major portion of a new maintenance building has a designated area for processing recyclable products. A bailer is presently used for cardboard.

City of Grovetown officials estimate that approximately 30% of households now participate in recycling efforts. Accurate records are being kept on all recycled materials for use in documenting its efforts. Approximately 25% of their waste stream is being diverted by recycling.

The City of Harlem has contracted with a private hauler for curbside pick-up of recyclable materials including newspaper, glass, plastic, and aluminum. No detailed records are available but City estimates of participation rates range from 20%-25%.

### 3.1.2 Yard Trimming Mulching/Composting

No organized compost or mulching operations exist in the unincorporated area. The County relies on the private sector to provide that service. Although some residents may utilize backyard composting, no quantities are available.

The City of Grovetown provides curbside collection of yard waste utilizing several trucks and chippers. Approximately 500 tones per year of yard waste is chipped and mulched

and given to residents. Based on current capacities, the City can chip and mulch in excess of 2,000+ tones per year.

The City of Harlem provides curbside collection of yard waste utilizing several trucks and chippers. Approximately 72 tones per year of yard waste is chipped and mulched and either sent to the city inert landfill or given to residents upon request. Based on current capacities, the City can chip and mulch approximately 150 tones per year.

### *3.1.3 Special Management Issues*

For all jurisdictions, items requiring special management procedures such as, electronics, household hazardous waste, lead acid batteries, tires, and white goods are handled by private haulers.

## **3.2 Assessment**

Columbia County does not currently have any plans during the planning period to begin mulching or composting that would result in viable collection efforts. Waste reduction for the County will largely center on recycling.

Drop-off centers report that the primary waste streams dropped off are material, organics and plastics, which account for approximately 80% of the total waste stream. Where waste reduction does occur, therefore, the appropriate streams are in line with the State's 25% per capita waste disposal reduction goal. The County's goal of providing more drop off centers in the County will result in higher waste reduction levels. However, there is currently no mechanism to quantify the actual effects of waste reduction and recycling efforts. Drop-off centers in neighboring jurisdictions do not always maintain records of origin. The addition of more in-county drop off centers will permit the County to monitor recycling efforts.

Recycling as a waste reduction policy has worked effectively in both Grovetown and Harlem, with approximately 20%-30% participation. Like individual resident drop-off in the unincorporated area, most recycling efforts in the cities is material, organic and plastics, contributing to the State's 25% per capita waste disposal reduction goal.

## **3.3 Needs**

The major need at this time is for Columbia County to choose a method that will result in a minimal 25% waste reduction for the County. From the previous waste characterization study, and given that most of the waste is generated by households, the most viable option for achieving that goal is recycling. Area businesses, industries, and private recyclers need to cooperate with the County in increasing waste reduction rates and

documenting the amount of wastes diverted from disposal sites. Even small businesses need to be encouraged to recycle and to promote recycling among their customers. As the County begins to centralize recycling efforts through new drop-off centers, the need to monitor and report quantities will become important. Ideally, data collection should occur in coordination with educational efforts contained in the Education & Public Involvement section of this Plan.

In developing recycling policies, the County should examine the regional context. Currently, CSRA counties are considered too small to generate enough recyclables to result in an economically feasible waste reduction program. However, collectively the region includes an area of close to 500,000 residents. Numerous area local governments have indicated a desire to implement a regional recycling program. Columbia County should participate.

A regional approach to recycling can also encourage businesses to increase participation levels. For many of the businesses surveyed, especially the smaller ones, convenience was a concern. As more businesses participate in recycling, others will be encouraged to do so.

In addition, the County should encourage businesses to develop accurate records of waste reduction, such as weights and records of what they send to salvage companies.

In order to coordinate and monitor reduction activities, the County should appoint a waste reduction/recycling coordinator responsible for tracking. The coordinator should oversee countywide programs, including documenting waste reduction and recycling, and coordinating with Columbia County Clean & Beautiful and civic groups in providing education to residents. The coordinator will reassess the waste reduction programs and report to the appropriate County committee(s).

Both the Cities of Grovetown and Harlem should examine ways to increase recycling participation by residents. This can be done by an education campaign. Both cities need to carefully monitor and record the success of their recycling program.

### 3.4 Goals

All goals are applicable to Columbia County and the Cities of Grovetown and Harlem unless otherwise noted.

- Continue to support the Solid Waste Management Authority.
- Conduct review of the Long-Range Reduction Plan.
- Encourage local businesses to increase their waste reduction and recycling efforts, and report data.
- Participate in region-wide recycling feasibility study.
- Appoint a county coordinator to oversee waste reduction and recycling data

## WASTE REDUCTION

collection, coordinate with stakeholders, and report to appropriate county bodies (Columbia County).

- Coordinate all waste reduction and recycling activities with other elements in this Plan.
- Maintain municipal waste reduction and recycling equipment (Grovetown and Harlem)
- Continue mulching yard waste for citizen and public uses (Grovetown and Harlem).
- Continue curbside pick up of recyclables by private service provider contract.
- Participate in Association of County Commissioners of Georgia and Georgia Municipal Association solid waste training programs.
- Work with the Georgia Department of Community Affairs and the CSRA Regional Development Center to identify viable waste reduction and recycling projects.



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**4.0 Introduction**

This section addresses the collection of solid waste, recyclable, and compostable materials for the ten-year plan period. Every aspect of the solid waste management program represents a link in the chain of a well run and environmentally sound system. An inadequate collection program can create complications for other components of the program, such as those associated with illegal dumping, high costs or inefficient disposal practices. Dissatisfaction with collection services may also lead to poor participation rates with new waste reduction programs.

Columbia County includes an urbanized (Grovetown, Harlem, Evans, Martinez) and widely dispersed rural population. The population trends for the County anticipate substantial growth, and corresponding increase in solid waste produced.

**4.1 Inventory**

The current solid waste collection system for Columbia County is divided into three categories (see Table 6). The first category is collection by private haulers. Columbia County officials estimate that approximately 90% of County residents contract with private haulers for waste collection services (Table 7). This covers about 40% of the land area of the County. Most of the collection is currently disposed at the County landfill but will revert to a transfer station recently opened in the County.

**Table 6: Inventory of Collection Programs**

Type	Collector	Program Description	Jurisdictions Served	Sectors Served*	Number of Households Served	Contractual Arrangements
Private Haulers	See Table 7	Pickup	Unincorporated Areas	R, C	Unknown	Drop off is available to all county residents
Curbside Pickup	Advance Disposal Services	Curbside Pickup	Cities of Grovetown and Harlem	R, C	2,350 (Grovetown) 1,193 (Harlem)	Cities contract with private hauler.
Municipal Collection	Cities of Grovetown and Harlem	Inert	Cities of Grovetown and Harlem	C&D	Variable	Municipal service

\* R= Residential, C= Commercial, C&D: Construction and Demolition

**Table 7: Private Haulers Operating in Planning Area**

Hauler Name	Address
A-1 Sanitation	3458A Peach Orchard Augusta, GA
Aces Garbage Service	786 Industrial Park Dr. Evans, GA

COLLECTION ELEMENT

Advanced Disposal Services	5734 Columbia Road Grovetown, GA
Augusta Disposal & Recycling	851 Triangle Industrial Blvd Evans, GA
B&L Sanitation	1021 13th Ave Augusta, GA
Coleman Sanitation	3010 Georgia Road Augusta, GA
Hester's Sanitation	3715 Drayton Dr Augusta, GA
McGahee Sanitation	4414 Iron Hill Road Dearing, GA
Metropolitan Waste	3318 Milledgeville Rd. Augusta, GA
Waste Management	208 Prep Phillips Dr. Augusta, GA

The second category is waste collection within the city limits of Harlem and Grovetown. The City of Harlem has contracted with private haulers (Advance Disposal Services and Inland) for collection services of solid waste and recyclables for its residents. The City may renegotiate or choose another waste hauler at the termination of its existing contract. Currently, service is provided one day a week for solid waste and one day a week for recyclables. The City of Harlem collects inert waste daily on an as needed basis. The City has a leaf vacuum and two wood chippers. City officials estimate 90% of the chipped wood and leaves are given to residents while the other 10% is landfilled in the City's inert waste landfill. White goods are collected as needed by the City and stored at the Public Works shop before being hauled to the Columbia County landfill by City employees. Periodically, City employees also dispose of dried sludge from their waste water treatment plant at the Columbia County landfill.

The City of Grovetown utilizes the services of a private collector to collect waste from the city's residents (Advance Disposal Services). This contract is put out for bids on a yearly basis. The City Public Works Department collects yard waste from individual residences for disposal at the City's facility located on Newmantown Road. White goods along with recyclables are also picked up by City crews.

The third category of collection is individual waste hauling. This covers about 10% of the population of the County but 60% of the land area. These residents transport their waste to the county landfill or a neighboring transfer station.

#### 4.1.1 *Yard Trimmings*

Private haulers handle yard trimmings in the unincorporated area. Residents contract with haulers independent of the county government. Both the Cities of Grovetown and Harlem provide municipal curbside pickup of yard trimmings.

#### 4.1.2 *Illegal Dumping*

Illegal dumping is disposal of waste in an un-permitted area. Illegally dumped wastes are primarily non-hazardous materials that are dumped to avoid either disposal fees or the time and effort required for proper disposal. Sites used for illegal dumping vary, but typically include abandoned residential or commercial buildings; vacant lots and wooded areas; and infrequently used alleys or roadways. Because of their accessibility and poor lighting, areas along rural roads and railways are particularly vulnerable.

Columbia County and the Cities of Grovetown and Harlem have not identified illegal dumping as an issue. The County has an ordinance in place related to dumping and the utilization of solid waste (see Appendix B). All jurisdictions have appropriate ordinances, code enforcement and law enforcement in place to address illegal dumping.

#### 4.2 **Assessment and Needs**

Although the population in the unincorporated area is projected to grow significantly through 2015, municipal curbside pickup is not likely to be practical. The Columbia County Growth Management Plan provides a future land use map that proposes more clustered future development. However, the County should always keep the option open and study the feasibility of county-wide municipal collection if economically feasible at a future time.

The County's reliance on private haulers continues to be the most viable option for the unincorporated area as long as there remains competition for collection services. The closure of the County landfill may have an impact on waste collection as existing private haulers may find it difficult to operate. The County is served by a number of small private haulers with significant market share in the unincorporated area (approximately 25%-30%). With the County landfill about to close and the opening of a transfer station from a competing hauler, smaller haulers may have to dispose of waste in neighboring counties. Should these haulers go out of business, the County will be left with few haulers and the prospect of higher collection costs.

As the County relies more and more on the private sector for waste collection, its role will shift from provider to regulator. This will necessitate ensuring that the Engineering & Environmental Services Division conduct performance reviews of open market solid

waste collection by private providers. Specifically, an employee should coordinate solid waste planning and management efforts by collecting collection data and more complete documentation of the types and quantities of waste collected.

The existing curbside collection service in the Cities of Grovetown and Harlem will be adequate through the planning period. The collection capacity of area solid waste companies is adequate for the relatively smaller municipalities. Therefore no major improvements are needed at this time. Maintaining municipal equipment will be required.

At this time, Columbia County's existing solid waste ordinance related to disposal, combined with code and law enforcement, is adequately addressing illegal dumping. The County also relies on Columbia County Clean & Beautiful to educate residents about illegal disposal. The County will continue to monitor these issues during the planning period to determine additional steps that need to be taken to better enforce existing ordinances.

#### 4.3 Contingency Strategy

Natural disasters strike with varying degrees of severity and pose both short- and long-term challenges to public service providers. The most severe natural disasters generate debris in quantities that can overwhelm existing solid waste management facilities or force communities to use disposal options that otherwise would not be acceptable. Debris removal is a major component of every disaster recovery operation. Much of the debris generated from natural disasters is not hazardous. Soil, building material, and green waste, such as trees and shrubs, make up most of the volume of disaster debris. Most of this waste can be recycled into useful commodities.

In the event of a natural disaster or other major event that would disrupt the collection of solid waste within the County, Columbia County would contract with a private hauler to collect waste until regular procedures could be re-instituted. Because the County relies on private haulers, and most neighboring counties do as well, an intergovernmental agreement on emergency collections would be of limited use. However, the Columbia County Engineering & Environmental Services Division should coordinate with the County's Emergency Management Agency to ensure an up-to-date list of collection companies is available and kept current.

Both the Cities of Grovetown and Harlem currently contract with a private hauler for most of their solid waste management needs. For municipal-provided services, the cities will contract with a private hauler in case of service disruption.

The Columbia County Emergency Management Agency covers both the unincorporated areas and the cities. Based on current capacities, it would take less than a week to bring the contingency strategy collection option on-line.

#### **4.4 Goals**

All goals are applicable to Columbia County and the Cities of Grovetown and Harlem unless otherwise noted.

- Evaluate collection efforts periodically to determine if changes are needed or if new collection mechanisms are feasible (including the feasibility of franchise fees and other collection options).
- Maintain collection data provided by private haulers and assess on a yearly basis.
- Conduct periodic performance reviews of open market solid waste collection by private providers.
- Review Growth Management Plan prior to developing future solid waste management policies.
- Maintain current collection contingency program and coordinate with the Columbia County Emergency Management Agency on contingency strategies.
- Maintain city government collection and vehicle and equipment replacement.
- Continue curbside and commercial waste collection by contract with private sector providers.

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## 5.0 Introduction

This section addresses the disposal of solid waste for the ten-year plan period. Disposal has taken on more significance as communities throughout the CSRA have closed municipal landfills and shifted to private disposal. Cost and service coverage areas have become significant issues.

## 5.1 Inventory

There are three municipal and one major private disposal facilities in the County (see Table 8).

Jurisdiction	Facility Name	Permit Number	Dominion	Reporting Year	Facility Address	Location
Columbia County	Columbia Co-Baker Place Road	036-010D(SL)	Public	2003	Baker place Rd	Appling
City of Grovetown	City of Grovetown Inert Landfill	PBR-036-08IL-A	Public	2003	Newmantown Rd	Grovetown
City of Harlem	City of Harlem Inert Landfill	PBR-036-05IL	Public	2003	Lampkin Rd	Harlem
Private	Advanced Disposal Transfer Station	PBR-036-19TS	Private Commercial	2005	Columbia Road	Grovetown
Private	Sample & Sons C&D	036-017D(C&D)	Private Commercial	2003	SR 232	Appling

Source: Georgia Department of Natural Resources' Environmental Protection Division and Advanced Disposal Services, Inc.

The County has one permitted municipal solid waste landfill which accepts residential, commercial, industrial, and construction/ demolition wastes (permit #036-010D(SL)). The County landfill contains approximately 1,000,000 CY of air space and currently has 50,000 CY of remaining air space (1 year). The landfill operations, either trench or area fill methods, follow the "Design and Operational Plan (Baker Place Road) Columbia County Sanitary Landfill", prepared by Bobby G. Price, P.E., 2422 Wilkshire Drive, Augusta, Georgia 30904.

The County landfill has compactors, self-loading pans (scrapers), a dozer, front-end loader, and an excavator to handle waste streams. Existing equipment is sufficient for the landfill's day-to-day operations.

The waste flow going to the County landfill originates almost exclusively in Columbia County. Industries that generate hazardous waste contract with haulers to ship this waste out of the County to permitted hazardous waste facilities. Currently, the majority of Columbia County's medical needs are met by facilities in the Richmond County/Augusta area. Prior to landfilling at the Columbia County Landfill, any biomedical waste originating from facilities generating more than 100 pounds per month, including but not limited to ambulatory service centers, blood banks, clinics, county health departments, dental offices, funeral homes, health maintenance organizations, hospitals, laboratories medical buildings, physicians offices, veterinarian offices, research and manufacturing facilities, nursing homes, and biomedical waste transportation, storage, treatment, and disposal facilities, must be treated in accordance with the provisions in the Georgia Solid Waste Management Rules prior to acceptance at the Columbia County Landfill.

There is no processing of solid waste other than compacting in place at this time. No pre-disposal treatment such as shredding or baling is employed at the landfill. The County does not accept tires from commercial tire dealers; however, tires delivered by residents or collected with any municipal solid waste by private haulers are accepted for disposal at the landfill. Stumps are not accepted for disposal at the County landfill.

The County landfill is scheduled to close in January 2006.

The Cities of Grovetown and Harlem contract with private firms to haul their solid waste, currently disposed at the Columbia County landfill. As the County landfill is closed, waste is expected to be hauled to the transfer stations in the County and eventually redirected to the Richmond County landfill.

Both the Cities of Grovetown and Harlem operate permitted disposal sites for yard wastes generated in each municipality (permit #PBR-036-08IL-A and #PBR-036-05IL). According to Grovetown officials, the city landfill has in excess of 50 years of life remaining after the recent acquisition of 42 acres (80 acres total). According to Harlem officials, the city's 57-acre landfill has in excess of 35-40 years of life remaining.

A number of private solid waste facilities are in operation in the region (see Appendix C). One private inert landfill and air curtain destructor operation handles stumps and land clearing debris. The Sample & Sons site (permit #036-017D(C&D)) utilizes an air curtain distributor. As of 2003, there is more than 1,567,104.00(CY)/12 years of capacity remaining at his site. White goods are separated from the waste stream and are stockpiled for collection by a scrap metal dealer.

There is currently one solid waste transfer station operating within the County. Operated by Advanced Disposal Services, the transfer station is increasing operations as the County landfill is phased out.

## 5.2 Thermal Treatment Technologies

There are no thermal treatment technologies currently in use by Columbia County and the Cities of Grovetown and Harlem.

## 5.3 Assessment and Needs

Columbia County's goal is to ensure that disposal facilities meet regulatory requirements and can continue to support and facilitate effective solid waste handling programs for the next ten years.

As the County shifts from a municipal landfill to reliance on private disposal options, the issues highlighted in the collection section apply to disposal. By shifting to private providers, the County's disposal role shifts to one of regulation. The current use of private solid waste haulers to service County residents is a good choice as long as there remains competition. The closure of the County landfill may have an impact on waste disposal as existing private haulers may find it difficult to operate. The County is served by a number of small private haulers with significant market share in the unincorporated area (approximately 25%-30%). With the County landfill about to close and the opening of a transfer station from a competing hauler, smaller haulers may have to dispose of waste in neighboring Counties. Should these haulers go out of business, the County will be left with few haulers and the prospect of residents paying higher disposal costs.

As the County relies more and more on the private sector for waste disposal, its role will shift from a provider to regulator. This will necessitate ensuring that the Columbia County Engineering & Environmental Services Division conduct performance reviews of open market solid waste disposal by private providers. Specifically, an employee should coordinate solid waste planning and management efforts by collecting disposal data and more complete documentation of the types and quantities of waste disposed.

Residents in the rural parts of the County may encounter similar issues. Although the population in the unincorporated area is projected to grow significantly through 2015, curbside pickup will continue to be impractical in some parts of the County. The draft Growth Management Plan provides a future land use map that recommends more clustered future development.

Existing disposal service in Grovetown and Harlem will be adequate through the planning period. Disposal will simply shift from the County landfill to the transfer station. The disposal capacity of area solid waste facilities is adequate for the relatively smaller municipalities. Therefore no major improvements are needed at this time. Maintaining municipal equipment will be required.

The Cities of Grovetown and Harlem will continue to utilize their two disposal sites for yard waste.

#### **5.4 Assurance of Ten-Year Disposal Capacity**

Under the Georgia Comprehensive Solid Waste Management Act of 1990, each local government must provide ten-year capacity assurance whether that local government relies on its own landfill, another local government, regional authority, private entity or any combination thereof for disposal of the solid waste generated within the planning jurisdiction. Appendix D contains the required letter of disposal capacity.

#### **5.5 Contingency Strategy**

In the event of a natural disaster or other major event that would disrupt the disposal of solid waste within the County, Columbia County would contract with a private hauler to dispose of waste until regular procedures could be re-instituted. Because the County relies on private haulers, as do most neighboring counties, an intergovernmental agreement on emergency disposal would be of limited use. However, the Columbia County Engineering & Environmental Services Division should coordinate with the County's Emergency Management Agency to ensure an up-to-date list of disposal facilities is available and kept current.

Both the Cities of Grovetown and Harlem currently contract with a private hauler for most of their solid waste management needs. For municipal-provided services, the cities will contract with a private hauler in case of service disruption.

The Columbia County Emergency Management Agency covers both the unincorporated areas and the cities. Based on current capacities, it would take less than a week to bring the contingency strategy disposal option on-line.

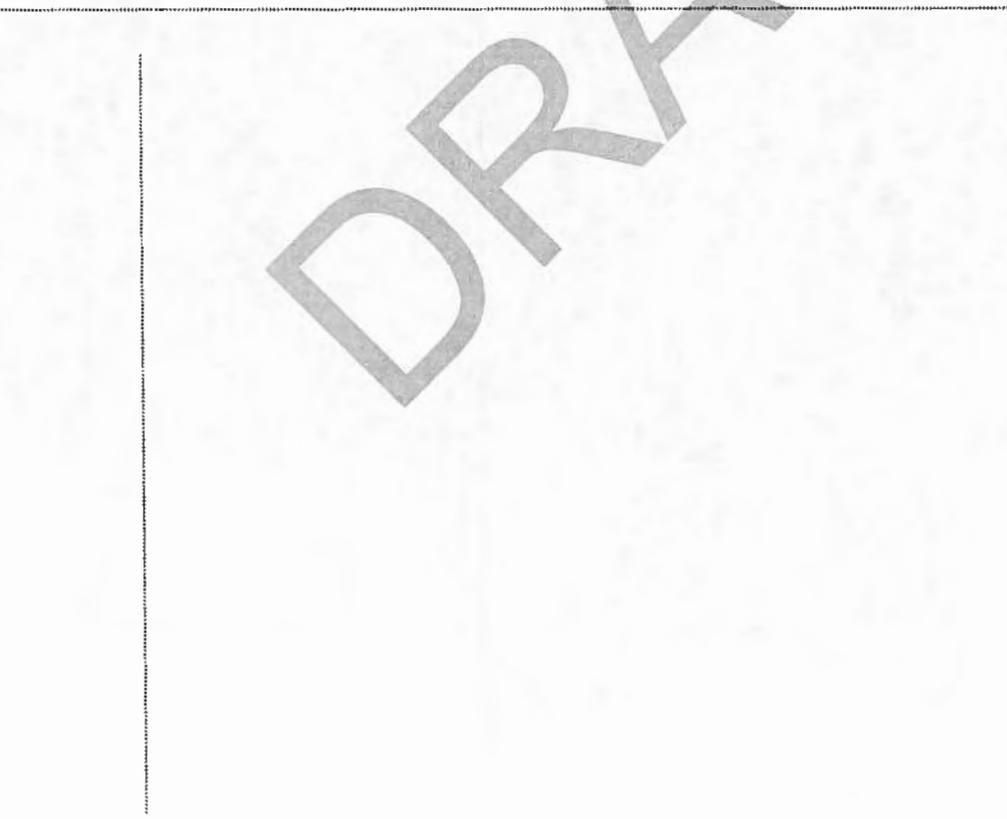
#### **5.6 Goals**

All goals are applicable to Columbia County and the Cities of Grovetown and Harlem unless otherwise noted.

- Evaluate disposal efforts periodically to determine if changes are needed or if new disposal mechanisms are feasible to meet State 25% reduction goal.
- Maintain disposal data provided by private haulers and assess on a yearly basis.
- Conduct performance reviews of open market solid waste disposal by private providers and monitor operations & market share of all landfills.
- Review Growth Management Plan prior to developing future solid waste management policies.
- Maintain current disposal contingency program and coordinate with the Columbia County Emergency Management Agency on contingency strategies.
- Continue city operation of inert landfills (Grovetown and Harlem).
- Maintain city government disposal vehicles and equipment.

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## 6.0 Introduction

This section deals with the inventory, analysis, and determination of land areas which, due to environmental limitations or land use factors, are considered unsuitable for the development of solid waste handling facilities. Although it may be technically feasible to build solid waste facilities in most situations, there are regulatory and financial constraints which render certain locations unavailable. Isolation distances around airports and bodies of surface water represent regulatory constraints. Other siting considerations may not be specifically prohibited but would result in more extensive engineering, environmental, and hydrogeological requirements. The criteria are established to provide for environmentally sound and financially practical disposal siting.

Specific items to be considered are as follows:

### (1) Natural Environmental Limitations:

- (a) **Water supply watersheds:** DNR Rule 391-3-16-.01(7)(c)1 requires that at any location within a small water supply watershed, new solid waste landfills must have synthetic liners and leachate collection systems.
- (b) **Groundwater recharge areas:** DNR Rule 391-3-16-.02(3)(a) requires that in significant groundwater recharge areas, DNR shall not issue permits for new solid waste landfills not having synthetic liners and leachate collection systems.
- (c) **Wetlands:** DNR Rule 391-3-16-.03(3)(e) establishes that solid waste landfills may constitute an unacceptable use of a wetland.
- (d) **River corridors:** DNR Rule 391-3-16-.04(4)(h) prohibits the development of new solid waste landfills within protected river corridors.
- (e) **Protected mountains:** DNR Rule 391-3-16-.05(4)(l) prohibits the development of new solid waste landfills in areas designated as protected mountains.

(2) **Criteria for siting:** The following items are criteria for siting solid waste facilities under DNR Rules. Local governments preparing plans should consult with DNR for the most current applicable rules.

- (a) **Zoning:** DNR Rule 391-3-4-.05(1)(a) requires that the site must conform to all local zoning/land use ordinances, and that written verification of such be submitted to EPD.
- (b) **Airport safety:** DNR Rule 391-3-4-.05(1)(c) requires that new solid waste landfill units or lateral expansions of existing units shall not be within 10,000 feet of any public use or private use airport runway end used by turbojet aircraft or

- within 5,000 feet of any public use or private use airport runway end used by only piston type aircraft.
- (c) **Flood plains:** DNR Rule 391-3-4-.05(1)(d) stipulates that any solid waste landfill located in the 100-year flood plain shall not restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the flood plain, or result in a washout of solid waste so as to pose a threat to human health or the environment.
  - (d) **Wetlands:** DNR Rule 391-3-4-.05(1)(e) prohibits the development of solid waste landfills in wetlands, as defined by the U. S. Army Corps of Engineers, unless evidence is provided by the applicant to EPD that use of such wetlands has been permitted or otherwise authorized under all other applicable state and federal laws and rules.
  - (e) **Fault areas:** DNR Rule 391-3-4-.05(1)(f) requires that new landfill units and lateral expansions of existing landfills shall not be located within 200 feet of a fault that has had displacement in the Holocene Epoch unless the owner or operator demonstrates to EPD that an alternative setback distance of less than 200 feet will prevent damage to the structural integrity of the landfill unit and will be protective of human health and the environment.
  - (f) **Seismic impact zones:** DNR Rule 391-3-4-.05(1)(g) prohibits the development of new landfill units and lateral expansions in seismic impact zones unless the owner or operator demonstrates to EPD that all containment structures, including liners, leachate collection systems, and surface water control systems are designed to resist the maximum horizontal acceleration in lithified earth material for the site.
  - (g) **Unstable areas:** DNR Rule 391-3-4-.05(1)(h) requires owners or operators of new landfill units, existing landfill units, and lateral expansions located in unstable areas to demonstrate that engineering measures have been incorporated in the landfill unit's design to ensure that the integrity of the structural components of the landfill unit will not be disrupted.
  - (h) **Significant groundwater recharge areas:** DNR Rule 391-3-4-.05(1)(j) requires new solid waste landfills or expansions of existing facilities within two miles of a significant groundwater recharge areas to have liners and leachate collection systems, with the exception of facilities accepting waste generated from outside the county in which the facility is located. In that case, the facility must be totally outside of any area designated as a significant groundwater recharge area.

Any entity requesting a renewal or issuance of a solid waste handling permit from EPD must demonstrate that the facility or expansion is consistent with the local government's solid waste management plan. Chapter 391-3-4 of the Georgia Department of Natural Resources' Environmental Protection Division relates to Solid Waste Management in

Georgia. Chapter 391-3-4.05 deals specifically with the siting criteria associated with solid waste handling facilities.

Solid Waste facility applicants should always check with DNR and the local planning jurisdiction to verify procedures for siting solid waste management facilities that include but are not limited to the following:

- DNR Rule 391-3-4-.05(1)(b) requires that whenever any applicant begins a process to select a site for a solid waste disposal facility, documentation demonstrating compliance with O.C.G.A. § 12-8-26(a) be submitted to EPD; further, whenever any applicant takes action resulting in a siting decision for a publicly or privately owned solid waste disposal facility, documentation demonstrating compliance with O.C.G.A. § 12-8-26(b) be submitted to EPD.
- Once a site has been selected, the applicant must conduct a Hydrological Assessment in accordance with the provisions of DNR Rule 391-3-4-.05(1)(k). Preparation of the land limitation element of a solid waste management plan should comply with the Solid Waste Management Act and the Rules of the Department of Natural Resources (DNR) for Solid Waste Management (Chapter 391-3-4) relating to historic sites, airports, jurisdictional boundaries, access, etc. These documents should be consulted for specifics on land limitations and siting of solid waste management facilities.
- If an applicant undertakes the Facilities Issues Negotiation Process pursuant to a facility siting decision, the process will be undertaken in accordance with O.C.G.A. § 12-8-32 and any guidelines issued by the Department pursuant to State law.

## 6.1 Inventory

The following section includes inventories of existing natural and siting limitations. Protected mountains, airport safety, fault areas, seismic impact zones or unstable areas were not identified in Columbia County or the Cities of Grovetown and Harlem.

The base data used for the mapping component were provided by the Columbia County GIS Department and the CSRA Regional Development Center.

### 6.1.1 Water Supply Watersheds

Water supply watersheds are defined by DNR as the areas of land upstream of a government-owned public drinking water intake. There are many different factors that determine the volume of water in a stream or other body of water. These factors include amount of precipitation, land cover, slope, soil type, and capacity and speed of absorption into the soil. Any water that is not absorbed by the soil, detained on the surface by lakes

or ponds, or used by vegetation, runs off of the land as overflow, or surface run-off. Water that is later released by the soil adds to this overflow to produce what is known as total run-off. As run-off flows to areas of lower elevation, it collects in drainage areas, the boundaries of which form watersheds. Run-off from these watersheds flows into streams which serve as outlets for water in the watersheds.

Columbia County contains three watersheds: the Little River Watershed in the northwest portion of the County, the Brier Creek Watershed at the southern part, and the remainder and majority of the county within the Middle Savannah Watershed. All three watersheds are classified as large drainage basins, and therefore are governed by DNR's "large watershed criteria."

The County currently has several programs and policies to help reduce pollution sources affecting its water supply watersheds. As an element of the land disturbance permitting process, the County has adopted a Soil Erosion and Sedimentation Control Ordinance requiring that sediment be retained on site. This is accomplished by means of silt fencing, sediment basins, rip-rap, and other erosion and sedimentation control measures.

The three watersheds within Columbia County are recognized as large water supply watersheds, having 100 square miles or more of drainage area above the water supply intakes. The Middle Savannah watershed qualifies further for environmental protection because the drainage area supplies water to the Thurmond Lake and the Stevens Creek Impoundment reservoirs.

#### *6.1.2 Groundwater Recharge Areas*

Groundwater recharge areas are portions of the earth's surface where water infiltrates the ground to replenish an aquifer, which is any stratum or zone of rock beneath the surface of the earth capable of containing or producing water from a well. In order to avoid toxic and hazardous waste contamination to drinking water supplies, groundwater or aquifer recharge areas must be protected. While recharge takes place throughout almost all of Georgia's land area, the rate or amount of recharge reaching underground aquifers varies from place to place depending on geologic conditions.

According to data provided by the Georgia Department of Natural Resources on the Ground-Water Pollution Susceptibility Map of Georgia, Hydrologic Atlas 20, Columbia County contains several significant groundwater recharge areas. Recharge areas range from lower susceptibility areas in the upper northwest section of the county adjacent to Mistletoe State Park and Thurmond Lake, to average and higher susceptibility areas in the lower west portion of the county that borders McDuffie and the southern portion of the county that borders Richmond County.

Both the state and federal government regulate groundwater recharge areas. Requirements from the Environmental Protection Division (EPD) include restrictions and

regulations on sanitary landfills, land disposal of hazardous wastes, spray irrigation of wastewater and wastewater treatment basins.

### 6.1.3 Wetlands

Federal law defines freshwater wetlands as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs and similar areas.

Preservation of wetlands is vital because of the many important functions they serve. They are among the world's most biologically productive ecosystems and serve as crucial habitats for wildlife. Wetlands can help maintain water quality or improve degraded water by performing functions similar to a waste-water treatment plant, filtering sediment, toxic substances and nutrients. Wetland vegetation filters and retains sediments which otherwise enter lakes, streams and reservoirs often necessitating costly maintenance dredging activities. Wetlands are also important to flood protection, as they act as water storage areas, significantly reducing peak flows downstream, and the meandering nature of wetlands combined with abundant vegetation reduce flood velocities.

In Columbia County, wetlands are adjacent to Thurmond Lake, the Savannah River and along the creeks that run throughout the county. In 1995 the county amended its Zoning Ordinance to clearly require Section 404 review by the Corps of Engineers of any land disturbance proposed in a wetland area. Hazardous or toxic waste receiving, treatment or disposal facilities and sanitary landfills are prohibited within wetland areas.

### 6.1.4 River Corridors

River corridors and their immediate shore land environment (sometimes referred to as the *riparian zone*) are areas of critical environmental significance. They provide a number of benefits including: drinking water, wildlife habitat, recreational opportunities, flood storage capacity, and assimilative capacity for wastewater discharges—the river or stream's ability to dilute wastewater to a point when it is no longer a threat to human health.

The Savannah River forms the eastern boundary of Columbia County. The Savannah River Corridor is an important resource in terms of its unique habitat for wildlife, a site for recreation, and a source of drinking water and energy. In addition to various types of animals and birds, species that appear on the State of Georgia Endangered Species list have been observed in the river and canal area. The County has adopted a River Corridor Protection Plan for the Savannah River Corridor that meets the requirements of the Mountain and River Corridor Protection Act of 1991.

The area along the Savannah River is mainly undeveloped with limited single-family residential development. Stevens Creek Dam which generates hydropower and energy is located just northwest of Stallings Island. Existing power line corridors from the Stevens Creek Dam power plant cross the river at Stallings Island and head downstream towards Augusta. Farther down stream abutting the Savannah Rapids Pavilion, are the Canal Locks and Dam Area and the canal head gates. South and east is Martin- Marietta quarry and stone crushing facility that extends up to the high water mark of the canal. The protection plan includes the implementation of a 100-foot natural vegetative buffer on the Georgia side of the banks, and list of permitted land uses. Permitted land uses include low density residential (subject to local zoning and Health Department regulations), road and utility crossings, timber production and harvesting, wildlife and fisheries management, recreational uses and facilities consistent with the natural buffer and/or river-dependent recreation activities, agricultural production and management.

#### 6.1.5 Local Zoning

Zoning is an act of city or county authorities by exercise of police powers in regulating, controlling or specifying the type of use to which the property may be put in specific areas.

Columbia County and the Cities of Grovetown and Harlem have zoning ordinances in place. Columbia County has the most detailed code, including several classifications of residential, commercial, and industrial uses. According to the code, sanitary and inert landfills are permitted in district S-1, a special district established to provide for the proper placement of private, semiprivate and public uses which require special consideration because of their character, physical setting, size, and/or relation to surrounding land uses.

Both Grovetown and Harlem have zoning ordinances with a more limited amount of districts. Neither jurisdiction permits solid waste handling facilities as permitted uses in any district.

#### 6.1.6 Flood Plains

Flood plains are relatively flat lands that border streams and rivers that are normally dry, but are covered with water during floods. The severity of a flood is usually measured in terms of loss to human life or property, which is directly proportional to the amount of development in the flood plain surrounding the stream or river.

Flooding occurs when the volume of water exceeds the ability of a water body (stream, river, or lake) to contain it within its normal banks. Floodplains serve three major purposes: Natural water storage and conveyance, water quality maintenance, and groundwater recharge. These three purposes are greatly inhibited when floodplains are

misused or abused through improper and unsuitable land development. For example, if floodplains are filled in order to construct a building, then valuable water storage areas and recharge areas are lost. This causes unnecessary flooding in previously dry areas and can damage buildings or other structures. Therefore, floodplain development is usually discouraged with the exception of recreational facilities.

In the majority of the County, floodplains tend to be narrow, except in the southern part of the County where they are moderately wide. The upland soils are generally well drained. The bottomland waterways drain off slowly and remain wet for long periods. Flood prone areas encompass about 17% of the acreage in Columbia County's total 196,823 acres. Much of this area is contained in the floodplain, and is usable to some extent for non-intensive uses such as agriculture, recreation, and other non-intensive uses. Floodplain management is required under the National Flood Insurance Act of 1963 and the Flood Disaster Protection Act of 1973. The county has adopted a Flood Damage Prevention Ordinance, which sets forth guidelines and standards for development within the floodplain. Additional restrictions regarding lots containing floodplain areas and site plans are also outlined in the Zoning Ordinance Use Provisions.

## 6.2 Assessment and Needs

The goal of the land limitation element is to identify areas of the County which should be avoided when developing solid waste handling facilities. This is an effort towards providing environmentally and socially sound solid waste disposal facilities. As the County considers siting new disposal facilities, local officials need to be cognizant of environmental considerations as well as other special needs. Regulation should not necessarily result in the prohibition of private solid waste disposal facilities but ensure that the development facilities do not conflict with this Plan, the Columbia County Growth Management Plan, or other local, state and federal regulations.

The County and municipalities have appropriate regulations in place to discourage the location of solid waste facilities in areas identified as unsuitable. The Columbia County Growth Management Plan also calls for adopting additional groundwater recharge area and water supply watershed ordinances, adding another layer of protection to those areas.

Under the zoning criteria for siting solid waste handling facilities, sites must conform to all local zoning and land use ordinances. For Columbia County, this would mean that the site would require a zoning designation of S-1 to comply with the County zoning ordinance. Upon a careful study of the County zoning maps, it was ascertained that few parcels within the County are currently zoned S-1. Therefore, any new landfill sitings will require a change in zoning. Similarly, neither Grovetown nor Harlem have solid waste facilities included as permitted uses in any zoning district.

### 6.3 Procedures for Siting Solid Waste Handling Facilities

Any entity requesting a renewal or issuance of a solid waste handling permit from EPD must demonstrate that the facility or facility expansion is consistent with the local government's solid waste management plan. Chapter 391-3-4.05 of the Georgia Department of Natural Resources' Environmental Protection Division Rules deals specifically with the siting criteria associated with siting landfills and/or solid waste transfer facilities. In addition to the criteria set forth under DNR's regulations, the County will also use the following criteria to determine whether the issuance of the requested permit is consistent with the Solid Waste Management Plan:

- Determine whether the proposed facility or facility expansion is sited in an area deemed unsuitable according to development criteria (examples include, but are not limited to: in groundwater recharge areas; located within two miles of a municipal water supply; on soils poorly suited for development; on slopes of greater than 25 percent; in area that do not have easy accessibility to transportation networks; on urban or built up lands; on or around water bodies or wetlands; or on federal, state, or public lands; in compliance with neighboring jurisdiction's siting criteria).
- Determine whether the proposed facility or facility expansion is sited in a location that is consistent with any local zoning ordinances.
- Determine whether the proposed facility or facility expansion negatively impacts other natural or cultural resources of the County.
- Determine whether the proposed facility or facility expansion negatively impacts the current solid waste management infrastructure of the County;
- Determine whether the proposed facility or facility expansion negatively impacts collection capability and disposal capacity identified in the Plan.
- Determine whether the proposed facility or facility expansion negatively impacts the County's ability to contribute to the State's 25% waste reduction goal.
- Determine whether the proposed facility or facility expansion negatively impacts the financial viability of the County's solid waste management system.

No proposed facility or facility expansion will be sited without a letter from the Columbia County Board of Commission for the unincorporated area or the City Councils of Grovetown and Harlem for their respective jurisdictions, stating that the facility is consistent with the Solid Waste Management Plan. The Columbia County Board of Commission or the City Council in Grovetown or Harlem will hold at least one public hearing to gather input to make this determination for their respective jurisdictions.

**6.4 Goals**

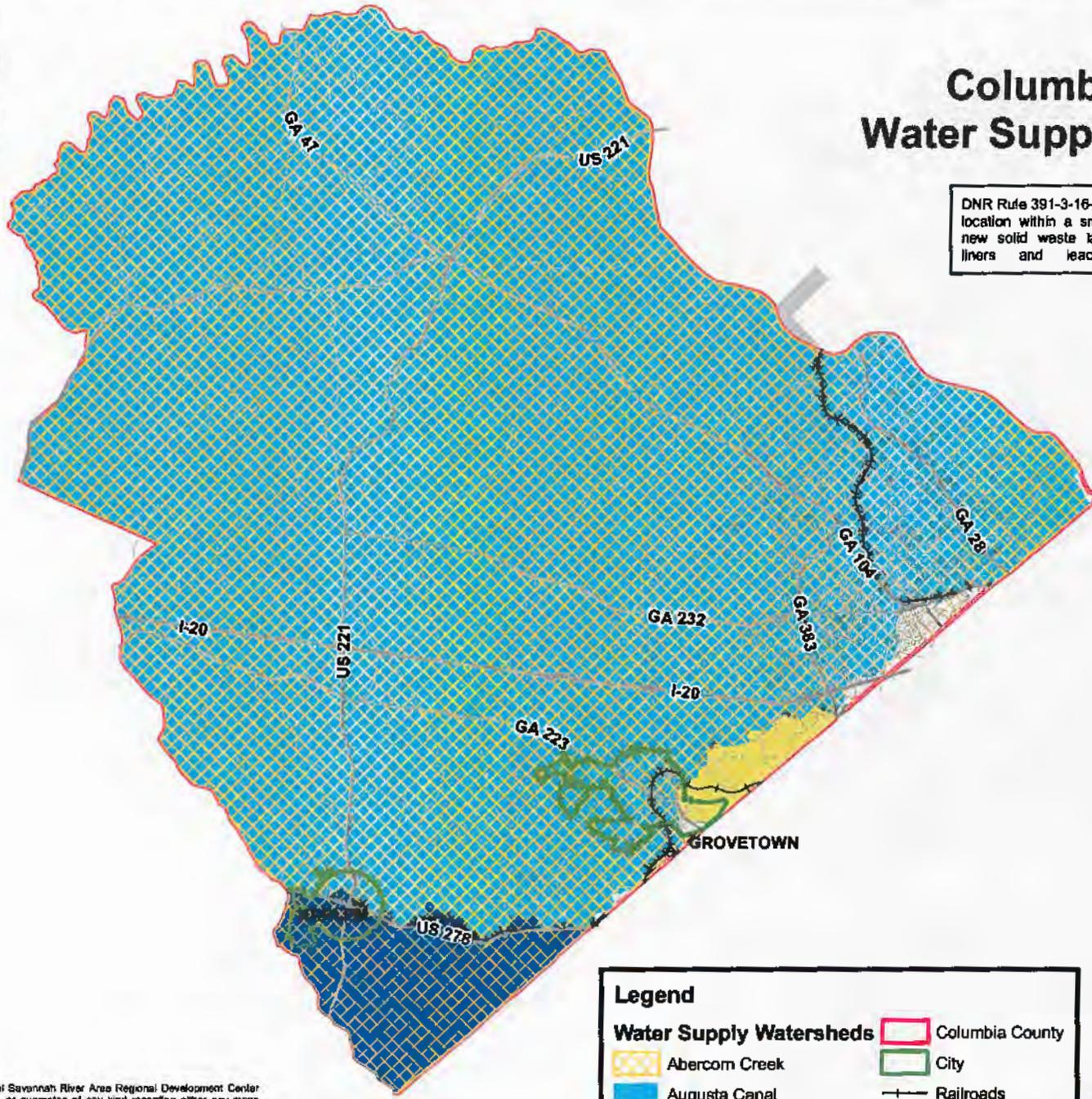
All goals are applicable to Columbia County and the Cities of Grovetown and Harlem unless otherwise noted.

- Continue to coordinate solid waste planning with County ordinances and the Growth Management Plan (Columbia County).
- Review as needed local ordinances for amendments due to land use changes and waste reduction/recycling programs implementation.
- Adopt ordinances recommended in the Columbia County Growth Management Plan (Columbia County)
- Monitor closing of County landfill as required (Columbia County).
- Continue use of Siting Criteria Maps in review and planning for future solid waste management facilities.
- Enforce jurisdictional ordinances through code enforcement.



# Columbia County Water Supply Watersheds

DNR Rule 391-3-16-.01(7)(c)1 requires that at any location within a small water supply watershed, new solid waste landfills must have synthetic liners and leachate collection systems.



**Legend**

	Abercom Creek		Columbia County
	Augusta Canal		City
	Brier Creek		Railroads
	Butler Creek		

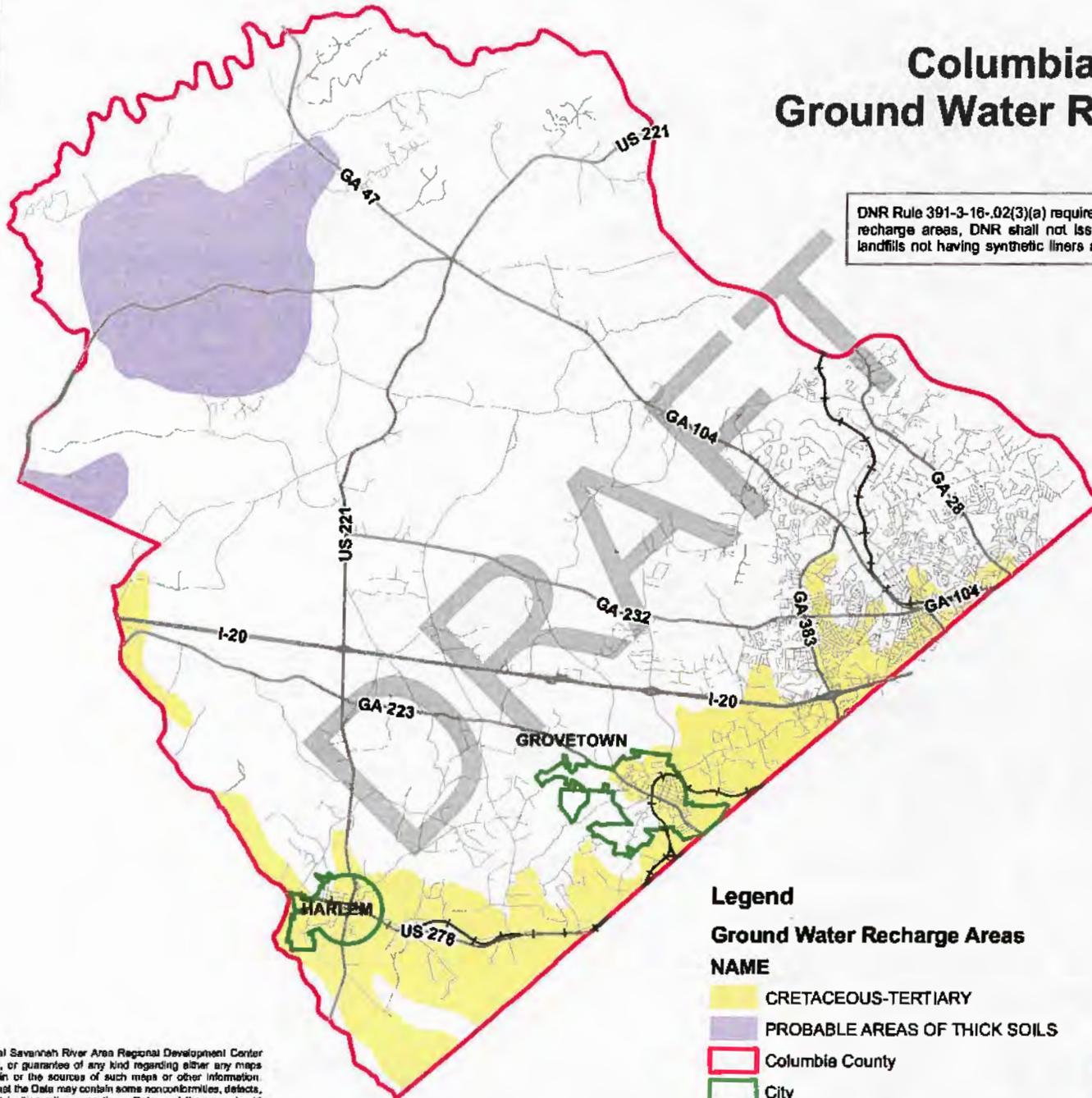


Central Savannah River Area  
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www.csrardc.org  
September, 2005

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# Columbia County Ground Water Recharge Areas

DNR Rule 391-3-16-.02(3)(a) requires that in significant groundwater recharge areas, DNR shall not issue permits for new solid waste landfills not having synthetic liners and leachate collection systems.



**Legend**

**Ground Water Recharge Areas**

**NAME**

- CRETACEOUS-TERTIARY
- PROBABLE AREAS OF THICK SOILS
- Columbia County
- City
- Railroads

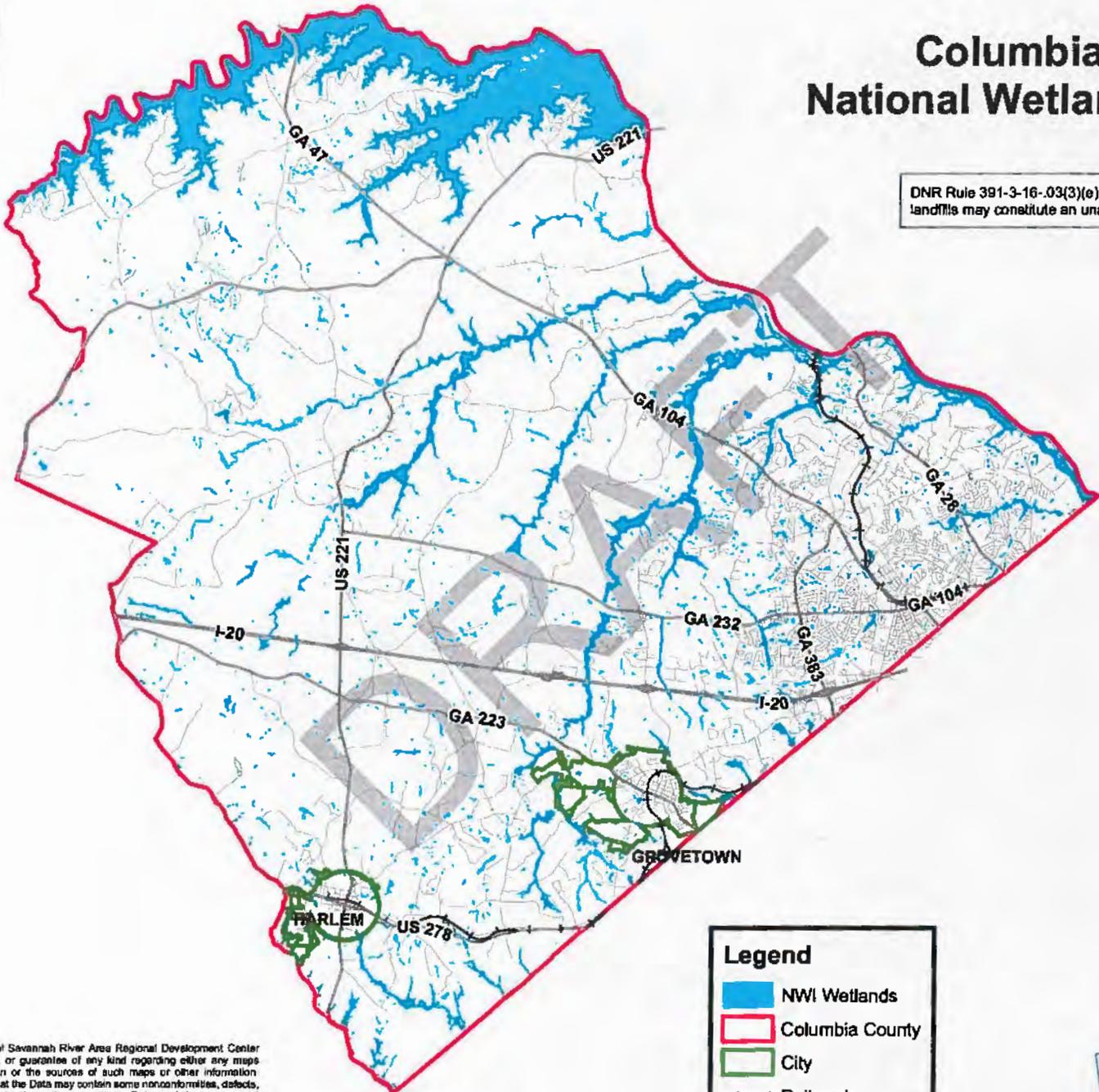


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# Columbia County National Wetlands Inventory

DNR Rule 391-3-16-.03(3)(e) establishes that solid waste landfills may constitute an unacceptable use of a wetland.



**Legend**

- NWI Wetlands
- Columbia County
- City
- Railroads

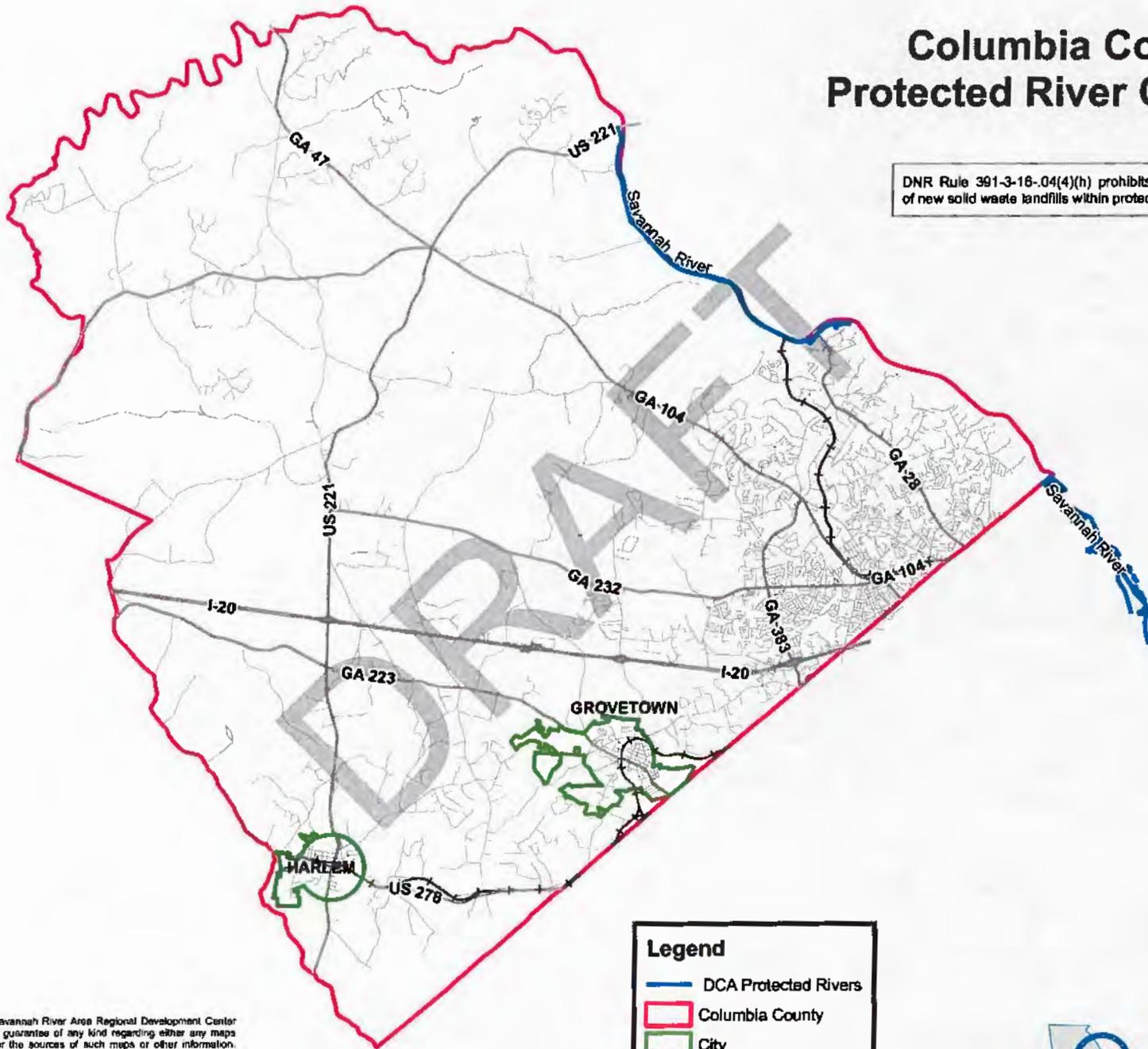


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# Columbia County Protected River Corridors

DNR Rule 391-3-16-.04(4)(h) prohibits the development of new solid waste landfills within protected river corridors.



**Legend**

- DCA Protected Rivers
- Columbia County
- City
- Railroads



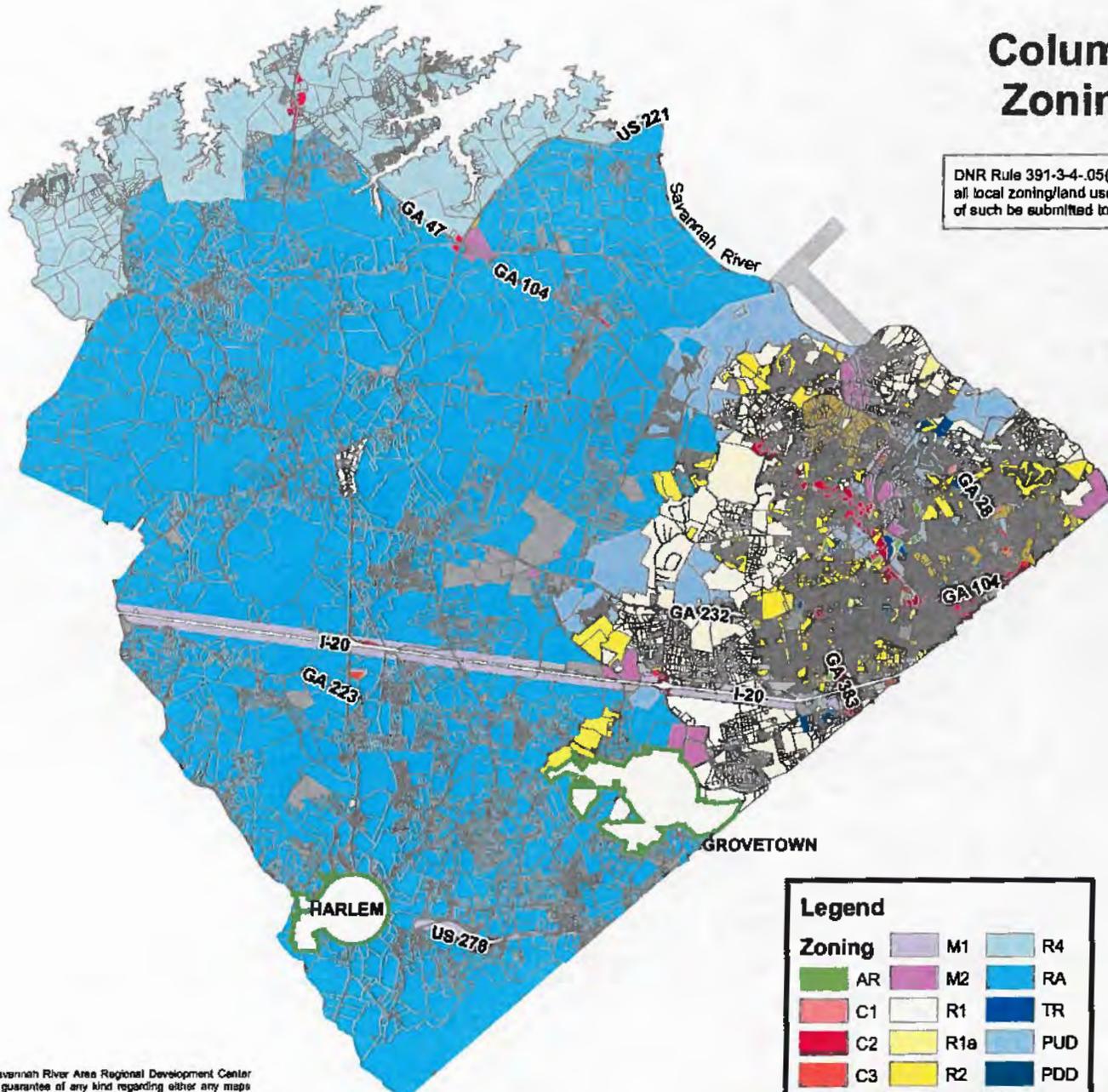
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# Columbia County Zoning Districts

DNR Rule 391-3-4-.05(1)(a) requires that the site must conform to all local zoning/land use ordinances, and that written verification of such be submitted to EPD.



Legend			
Zoning			
M1	R4		
AR	M2	RA	
C1	R1	TR	
C2	R1a	PUD	
C3	R2	PDD	
CC	R3	S1	
P1	R3a	City	

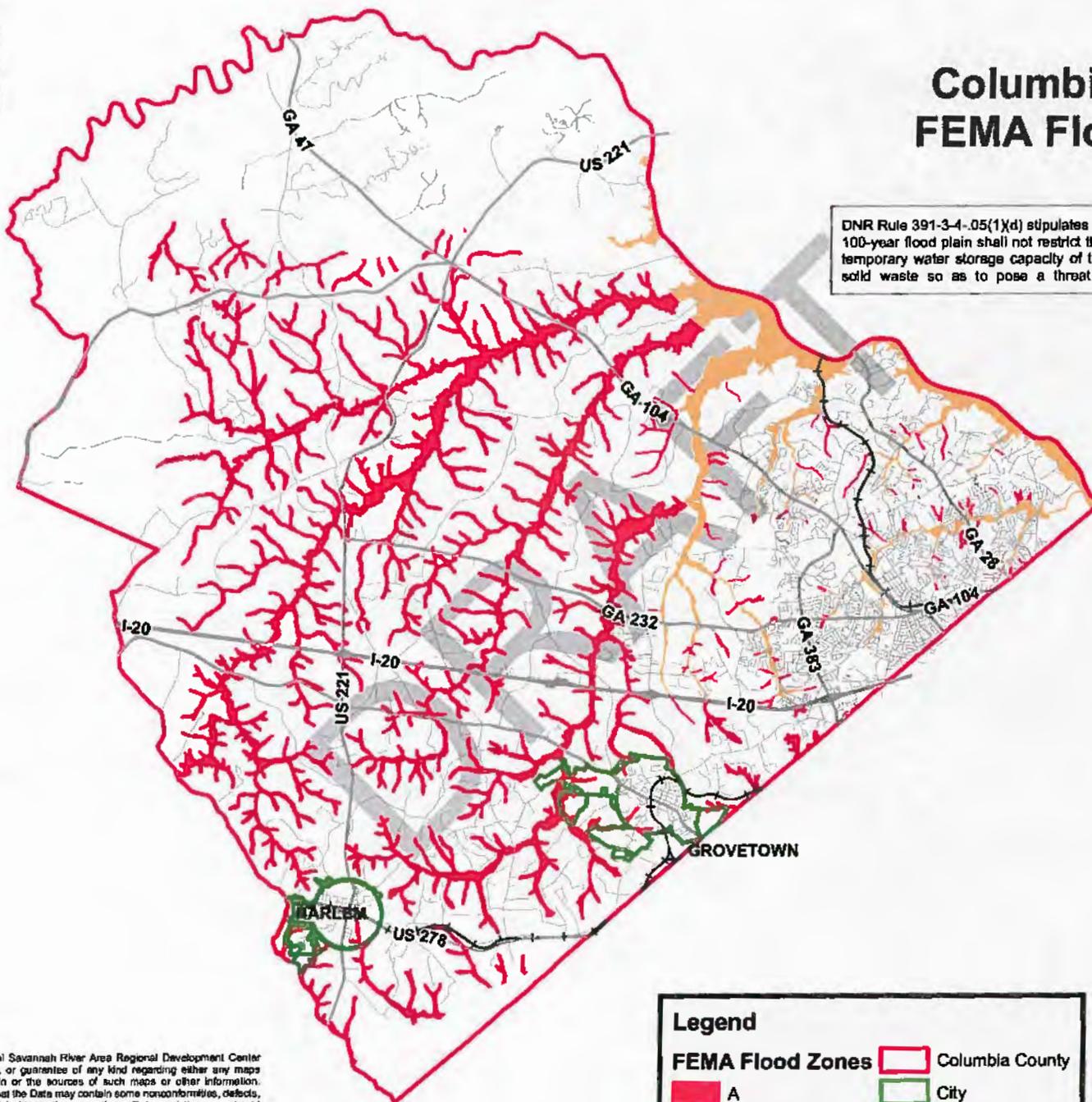


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# Columbia County FEMA Flood Plains

DNR Rule 391-3-4-.05(1)(d) stipulates that any solid waste landfill located in the 100-year flood plain shall not restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the flood plain, or result in a washout of solid waste so as to pose a threat to human health or the environment.



**Legend**

	A		Columbia County
	AE		City
			Railroads



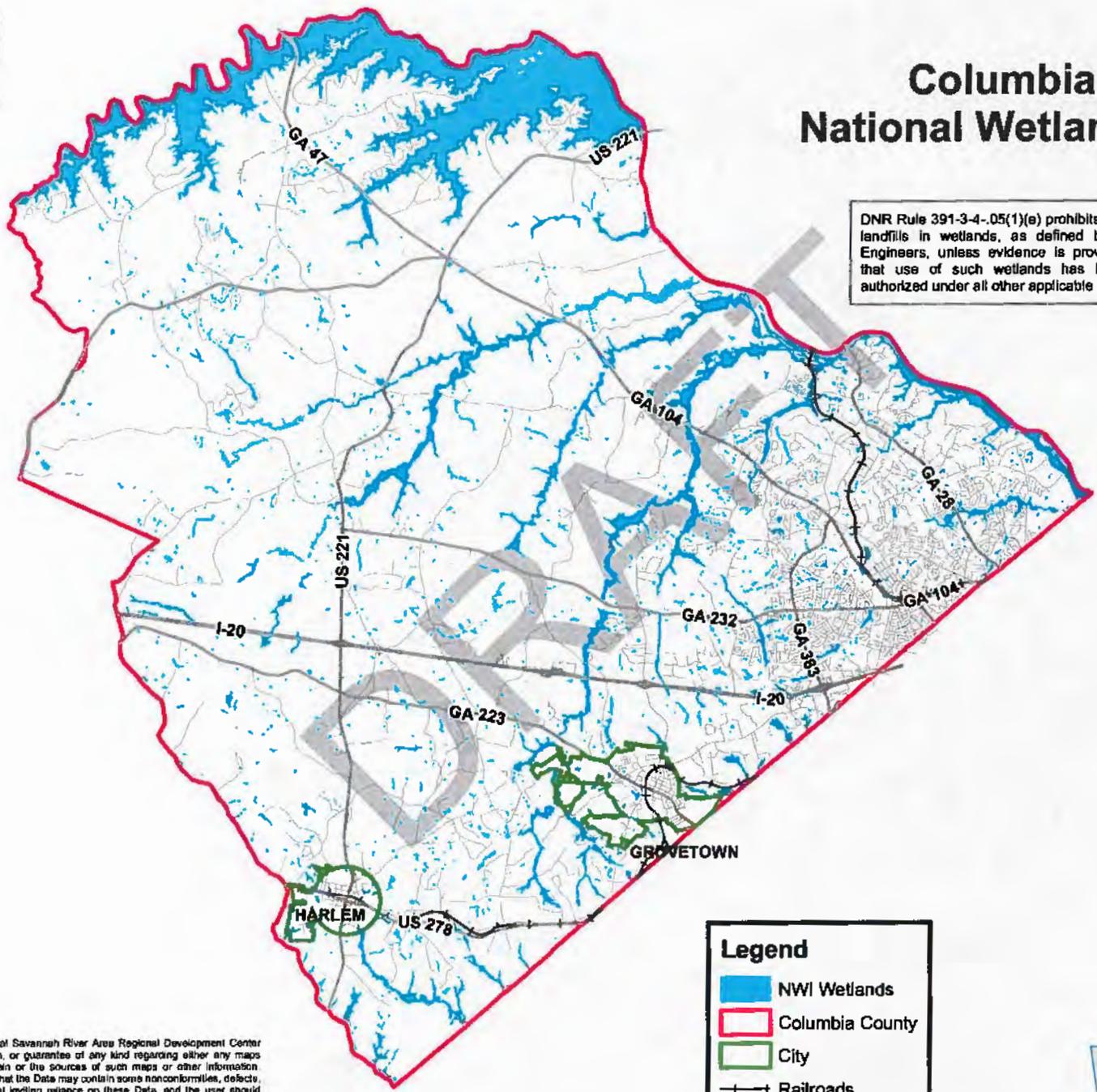
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# Columbia County National Wetlands Inventory

DNR Rule 391-3-4-.05(1)(e) prohibits the development of solid waste landfills in wetlands, as defined by the U. S. Army Corps of Engineers, unless evidence is provided by the applicant to EPD that use of such wetlands has been permitted or otherwise authorized under all other applicable state and federal laws and rules.



**Legend**

- NWI Wetlands
- Columbia County
- City
- Railroads

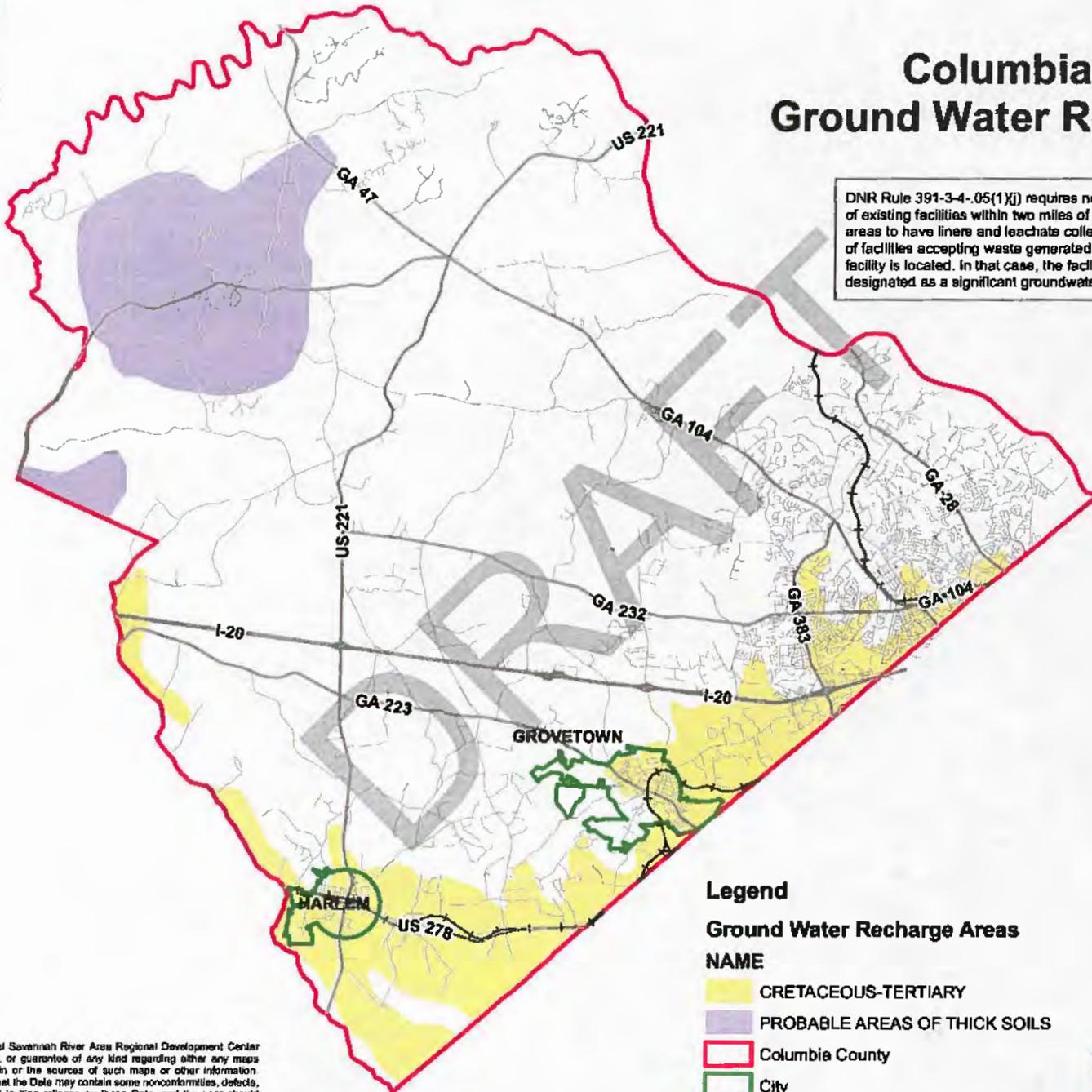


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# Columbia County Ground Water Recharge Areas

DNR Rule 391-3-4-.05(1)(j) requires new solid waste landfills or expansions of existing facilities within two miles of a significant groundwater recharge area to have liners and leachate collection systems, with the exception of facilities accepting waste generated from outside the county in which the facility is located. In that case, the facility must be totally outside of any area designated as a significant groundwater recharge area.



### Legend

#### Ground Water Recharge Areas

#### NAME

- CRETACEOUS-TERTIARY
- PROBABLE AREAS OF THICK SOILS
- Columbia County
- City
- Railroads

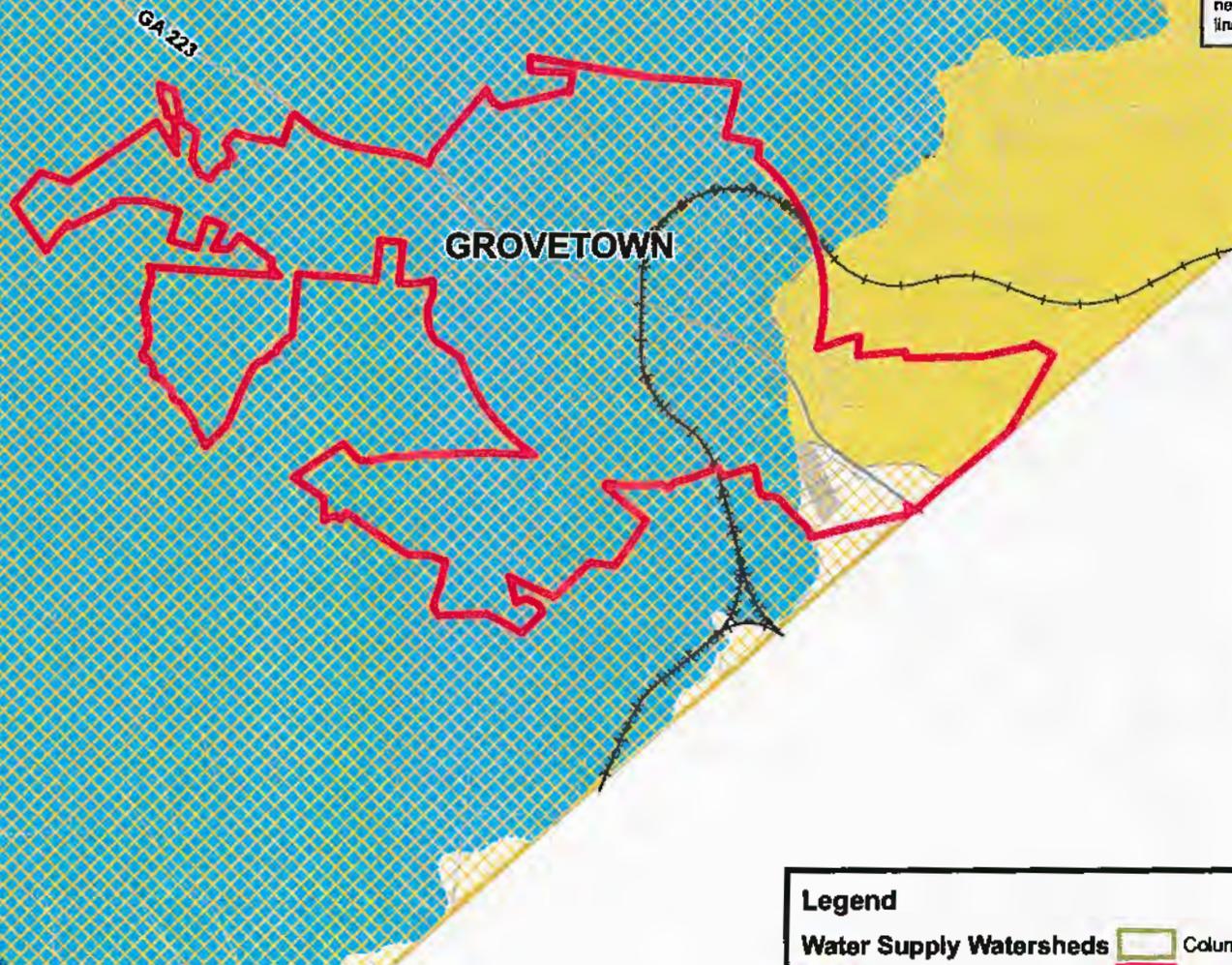


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# Grovetown Water Supply Watersheds

DNR Rule 391-3-16-.01(7)(c)1 requires that at any location within a small water supply watershed, new solid waste landfills must have synthetic liners and leachate collection systems.



### Legend

- |  |                |  |                 |
|--|----------------|--|-----------------|
|  | Abercorn Creek |  | Columbia County |
|  | Augusta Canal  |  | City            |
|  | Brier Creek    |  | Railroads       |
|  | Butler Creek   |  |                 |

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# Grovetown Ground Water Recharge Areas

DNR Rule 391-3-16-.02(3)(a) requires that in significant groundwater recharge areas, DNR shall not issue permits for new solid waste landfills not having synthetic liners and leachate collection systems.

Grovetown

GA 223

GA 223

### Legend

#### Ground Water Recharge Areas

#### NAME

-  CRETACEOUS-TERTIARY
-  PROBABLE AREAS OF THICK SOILS
-  Columbia County
-  City
-  Railroads



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# Grovetown National Wetlands Inventory

DNR Rule 391-3-16-03(3)(e) establishes that solid waste landfills may constitute an unacceptable use of a wetland.

GROVETOWN

GA-223



**Legend**

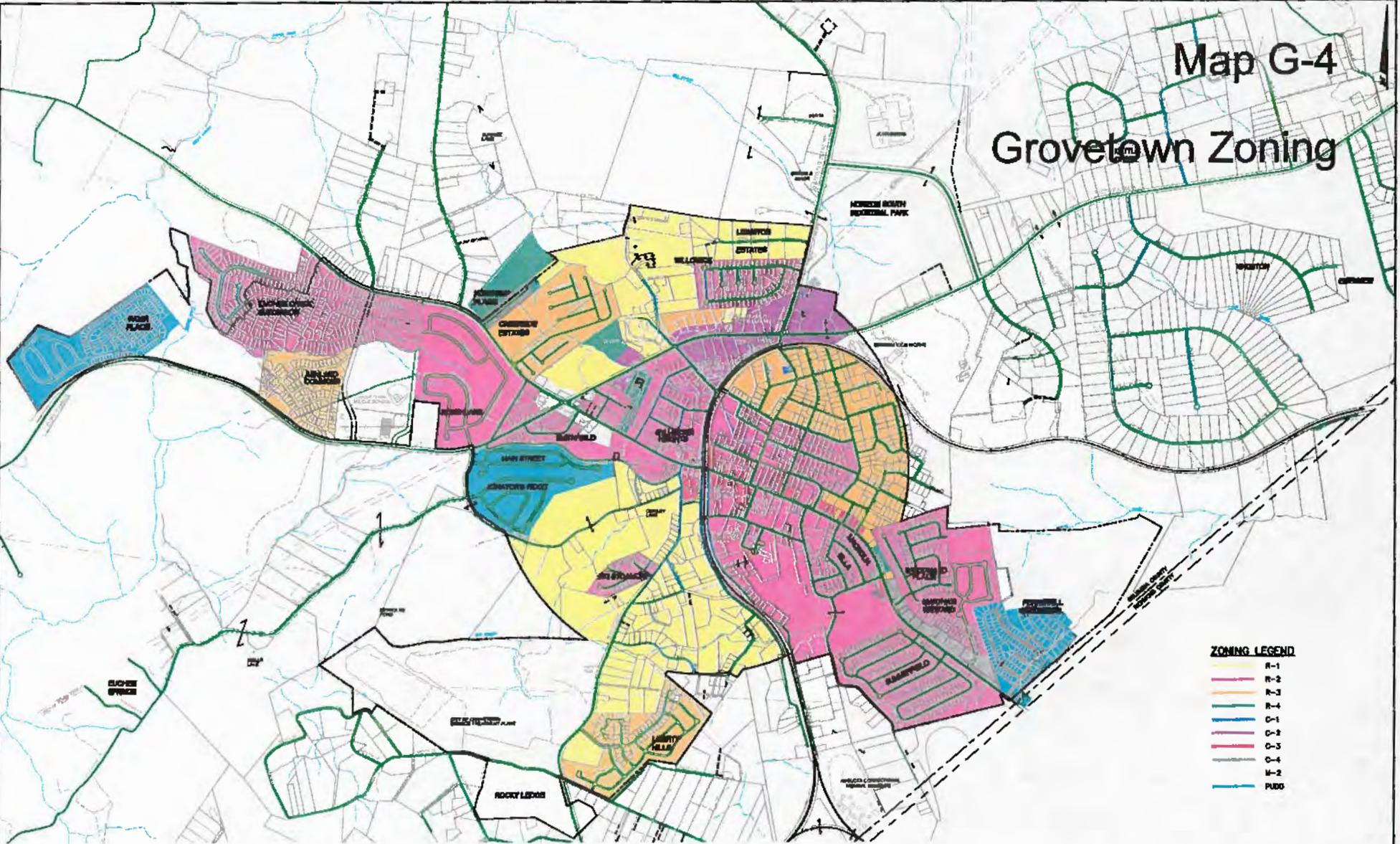
-  NWI Wetlands
-  Columbia County
-  City
-  Railroads



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# Map G-4 Grovetown Zoning



**ZONING LEGEND**

<span style="color: pink;">—</span>	R-1
<span style="color: yellow;">—</span>	R-2
<span style="color: orange;">—</span>	R-3
<span style="color: green;">—</span>	R-4
<span style="color: blue;">—</span>	C-1
<span style="color: purple;">—</span>	C-2
<span style="color: red;">—</span>	C-3
<span style="color: grey;">—</span>	C-4
<span style="color: lightblue;">—</span>	M-2
<span style="color: darkblue;">—</span>	PUDD

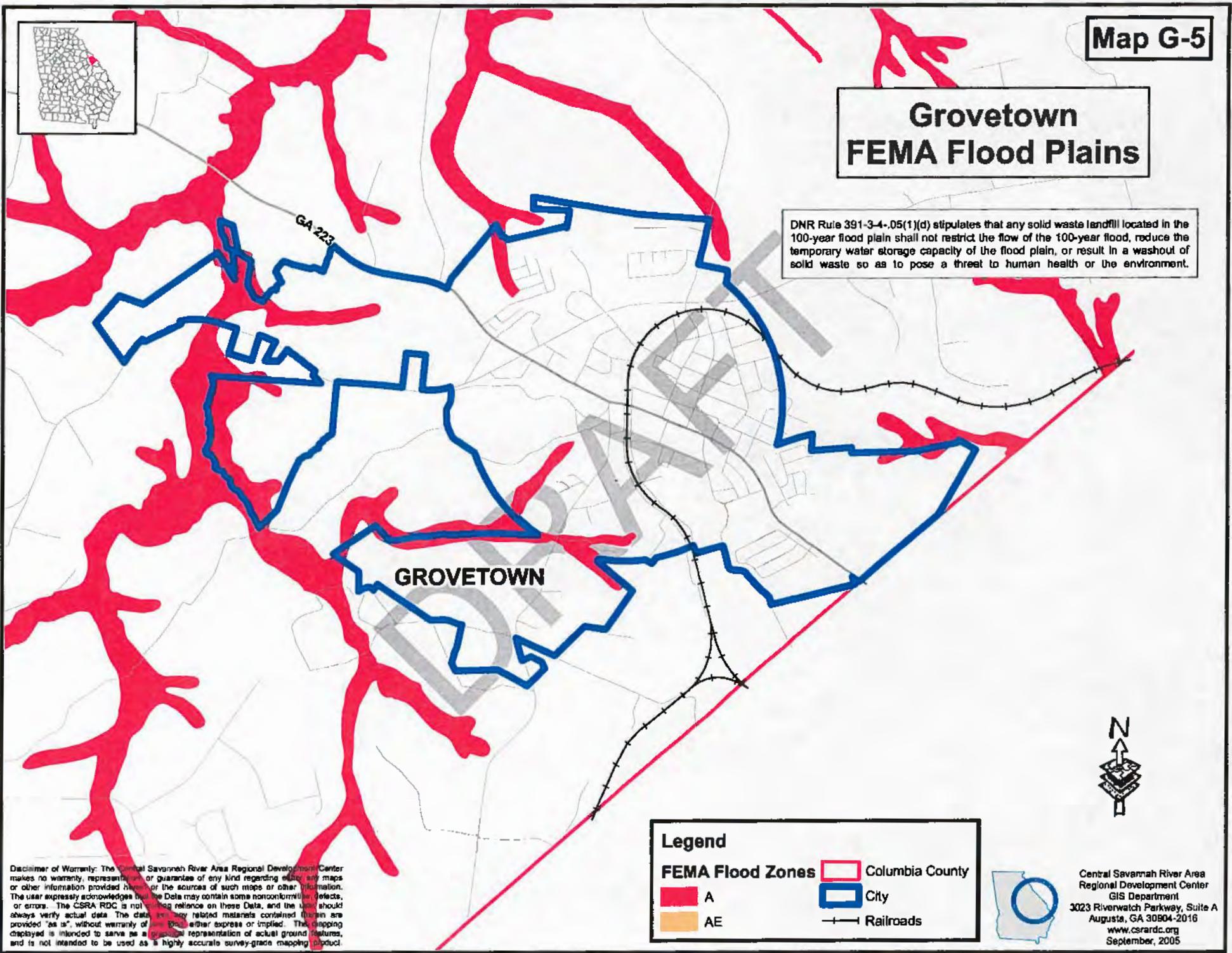
Planning & Development Services Dept.  
Geographic Information System  
SEPTEMBER 1, 2004

## Grovetown, Georgia

103 Old Wrightsboro Rd.  
Grovetown, Georgia 30813  
SCALE 1"=800'

# Grovetown FEMA Flood Plains

DNR Rule 391-3-4-.05(1)(d) stipulates that any solid waste landfill located in the 100-year flood plain shall not restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the flood plain, or result in a washout of solid waste so as to pose a threat to human health or the environment.



**GROVETOWN**

GA-223

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**Legend**

**FEMA Flood Zones**

- A
- AE
- City
- Railroads
- Columbia County



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# Grovetown National Wetlands Inventory

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GROVETOWN

GA-223

**Legend**

-  NWI Wetlands
-  Columbia County
-  City
-  Railroads



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# Grovetown Ground Water Recharge Areas

DNR Rule 391-3-4-.05(1)(j) requires new solid waste landfills or expansions of existing facilities within two miles of a significant groundwater recharge areas to have liners and leachate collection systems, with the exception of facilities accepting waste generated from outside the county in which the facility is located. In that case, the facility must be totally outside of any area designated as a significant groundwater recharge area.

Grovetown

GA 223

GA 223

DRAFT

### Legend

#### Ground Water Recharge Areas

- NAME
-  CRETACEOUS-TERTIARY
-  PROBABLE AREAS OF THICK SOILS
-  Columbia County
-  City
-  Railroads



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# Harlem Water Supply Watersheds

DNR Rule 391-3-16-.01(7)(c)1 requires that at any location within a small water supply watershed, new solid waste landfills must have synthetic liners and leachate collection systems.



HARLEM

US 278

### Legend

- |  |                |  |                 |
|--|----------------|--|-----------------|
|  | Abercorn Creek |  | Columbia County |
|  | Augusta Canal  |  | City            |
|  | Brier Creek    |  | Railroads       |
|  | Butler Creek   |  |                 |

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# Harlem Ground Water Recharge Areas

DNR Rule 391-3-16-.02(3)(a) requires that in significant groundwater recharge areas, DNR shall not issue permits for new solid waste landfills not having synthetic liners and leachate collection systems.

### Legend

#### Ground Water Recharge Areas

- NAME**
-  CRETACEOUS-TERTIARY
  -  PROBABLE AREAS OF THICK SOILS
  -  Columbia County
  -  City
  -  Railroads

Harlem

US 221

US 278



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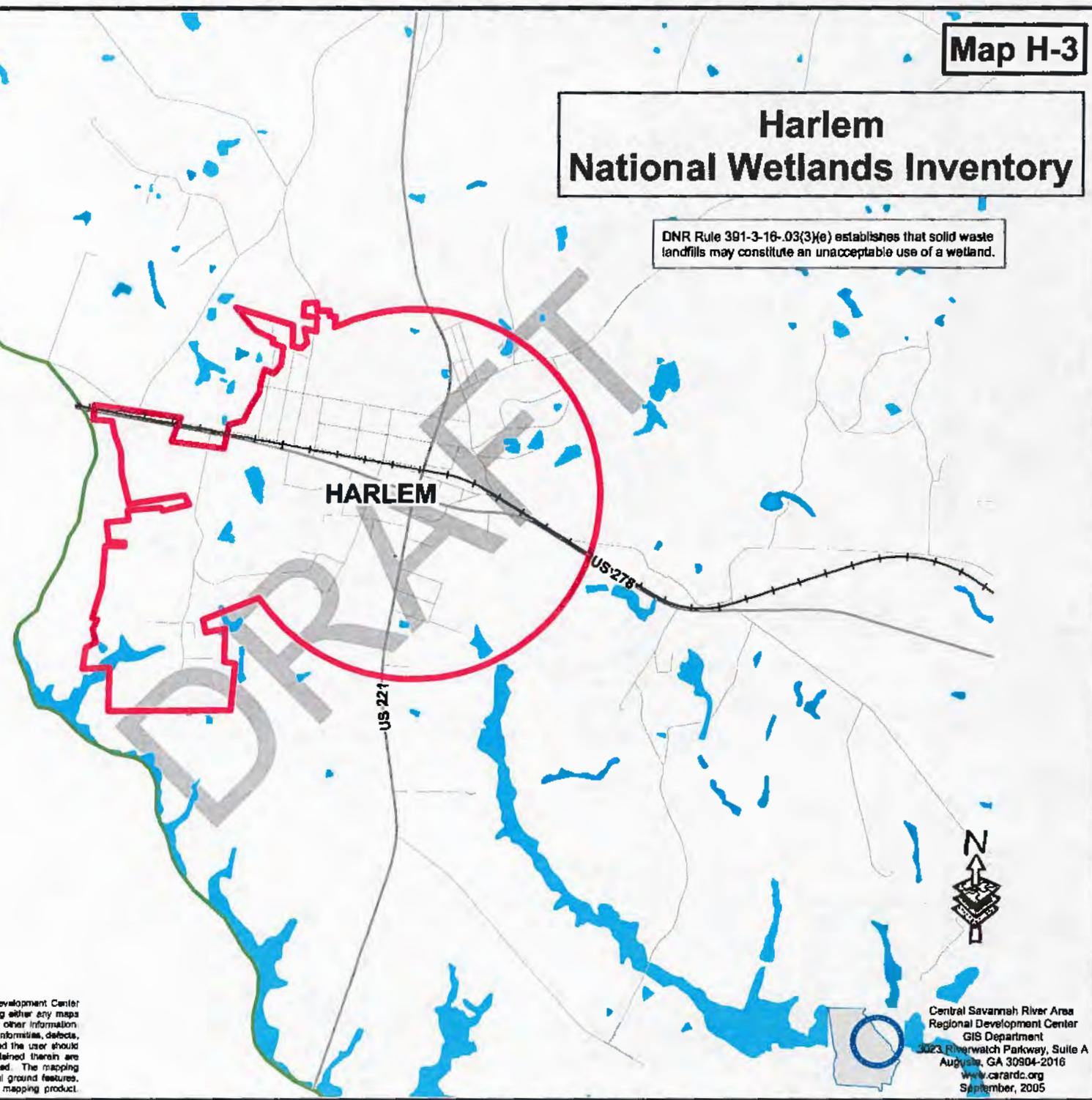
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September, 2005

# Harlem National Wetlands Inventory

DNR Rule 391-3-16-03(3)(e) establishes that solid waste landfills may constitute an unacceptable use of a wetland.

**Legend**

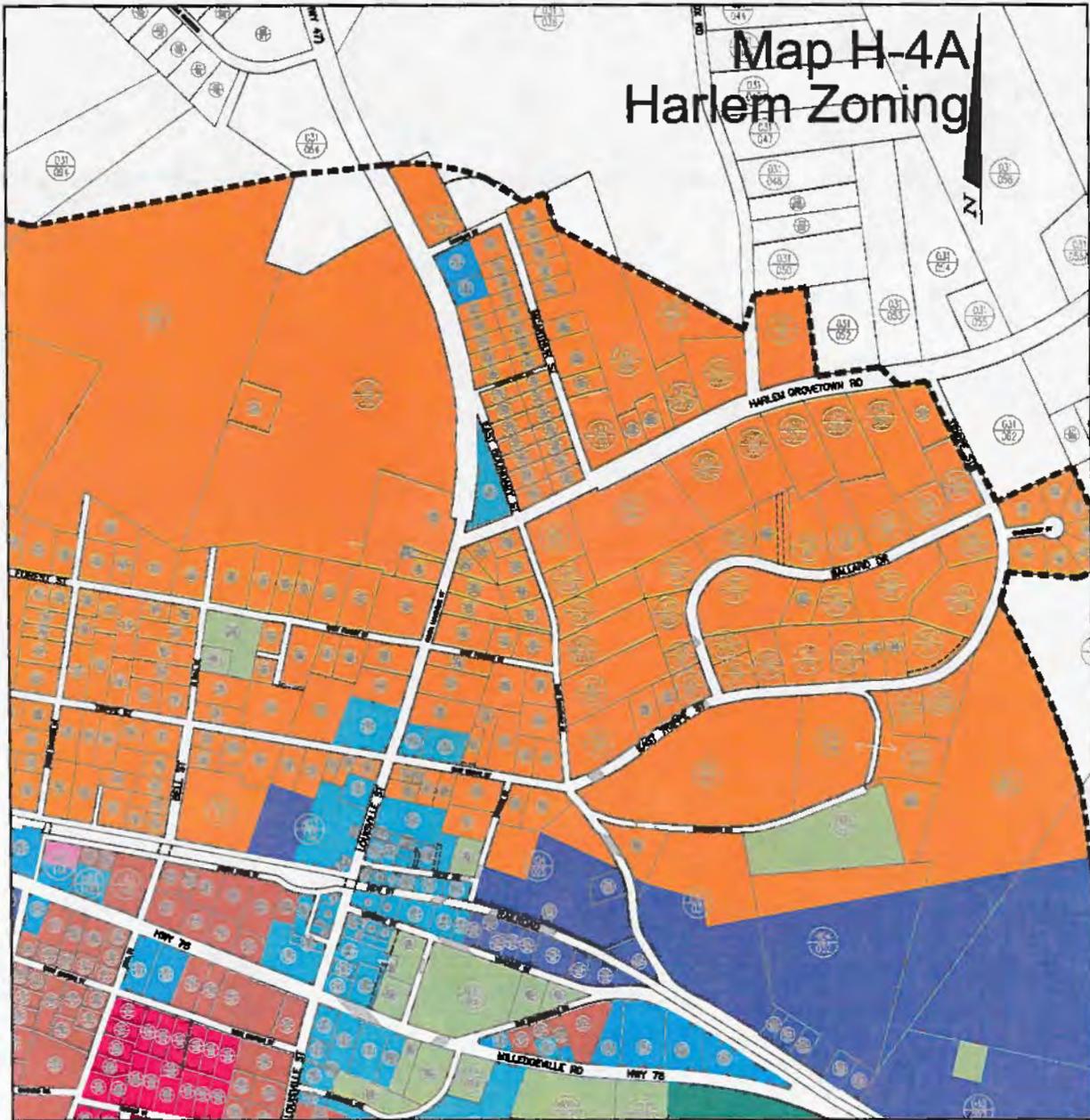
-  NWI Wetlands
-  Columbia County
-  City
-  Railroads



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# Map H-4A Harlem Zoning



## LEGEND

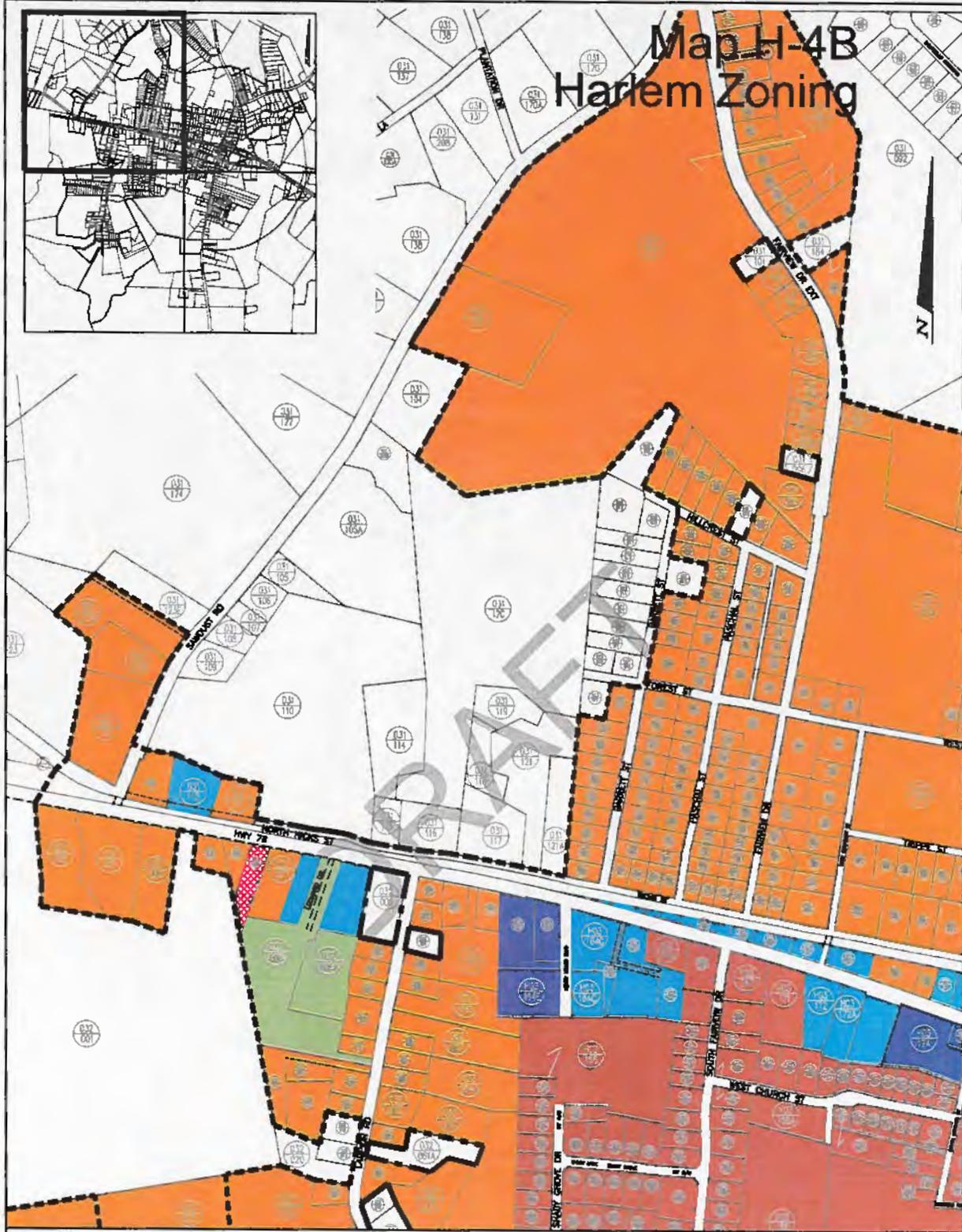
R - 1A	
R - 1B	
R - 1C	
R - 2	
R - 3	
B - 1	
B - 2	
I - 1	
A - 1	
R - 1D	
P - 1	
CITY LIMITS	

CITY OF HARLEM, GEORGIA  
QUADRANT ONE  
MAY 2003

**GST**

G. BEN TURNIPSEED ENGINEERS  
*Environmental · Civil · Hydraulic*  
ATLANTA · AUGUSTA · ST. SIMONS ISLAND, GEORGIA  
WWW.GSTENGINEERS.COM

# Map H-4B Harlem Zoning



## LEGEND

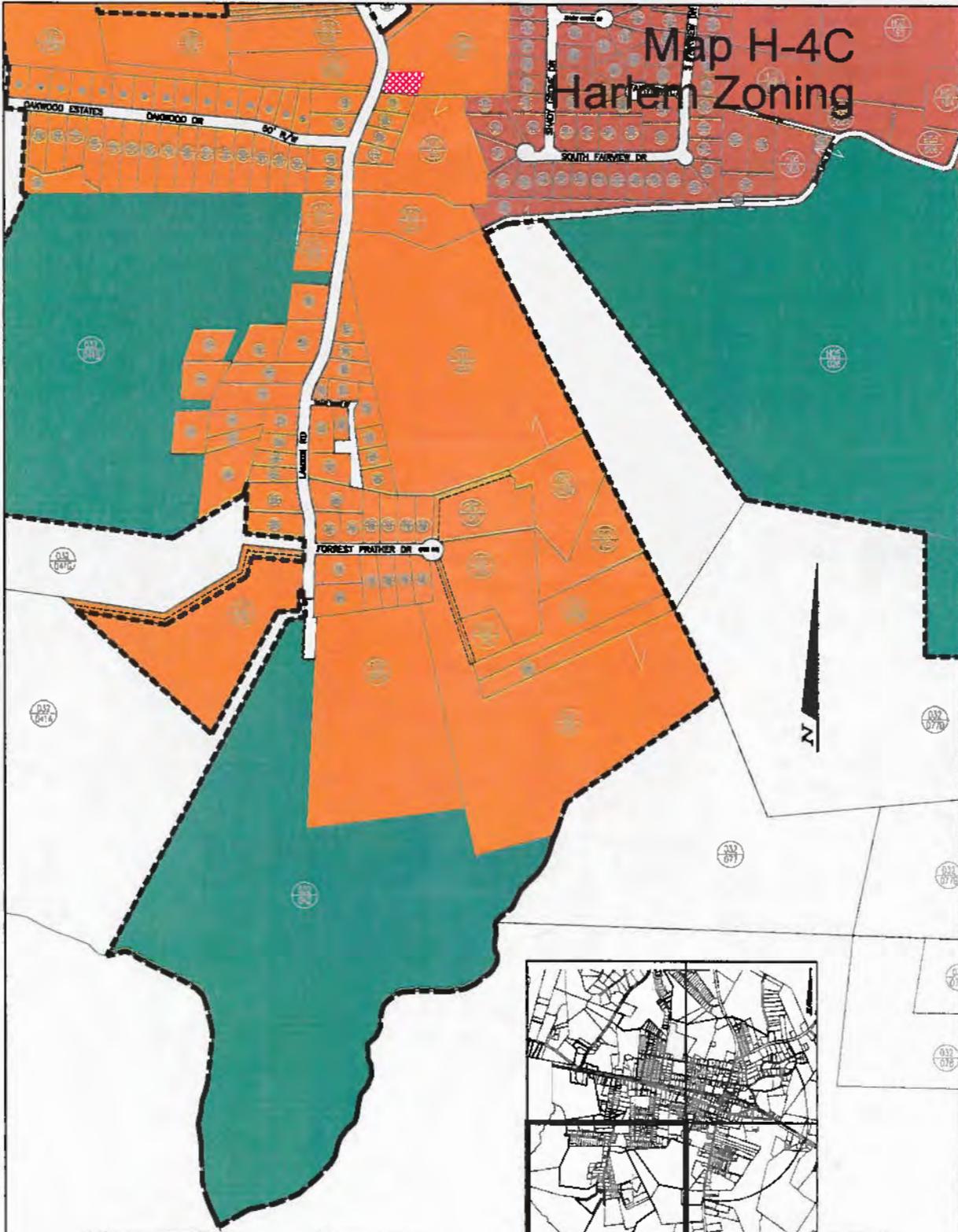
R - 1A	
R - 1B	
R - 1C	
R - 2	
R - 3	
B - 1	
B - 2	
I - 1	
A - 1	
R - 1D	
P - 1	
CITY LIMITS	

CITY OF HARLEM, GEORGIA  
QUADRANT TWO  
MAY 2003



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*Environmental - Civil - Hydraulic*  
ATLANTA - AUGUSTA - ST. SIMONS ISLAND, GEORGIA  
WWW.GTEENGINEERS.COM

# Map H-4C Harlem Zoning



### LEGEND

R - 1A	
R - 1B	
R - 1C	
R - 2	
R - 3	
B - 1	
B - 2	
I - 1	
A - 1	
R - 10	
P - 1	
CITY LIMITS	

CITY OF HARLEM, GEORGIA  
QUADRANT THREE  
MAY 2003



G. BEN TURNIPSEED ENGINEERS  
*Environmental, Civil, Hydraulic*  
ATLANTA - AUGUSTA - ST. SIMONS ISLAND, GEORGIA  
WWW.GBTENGINEERS.COM



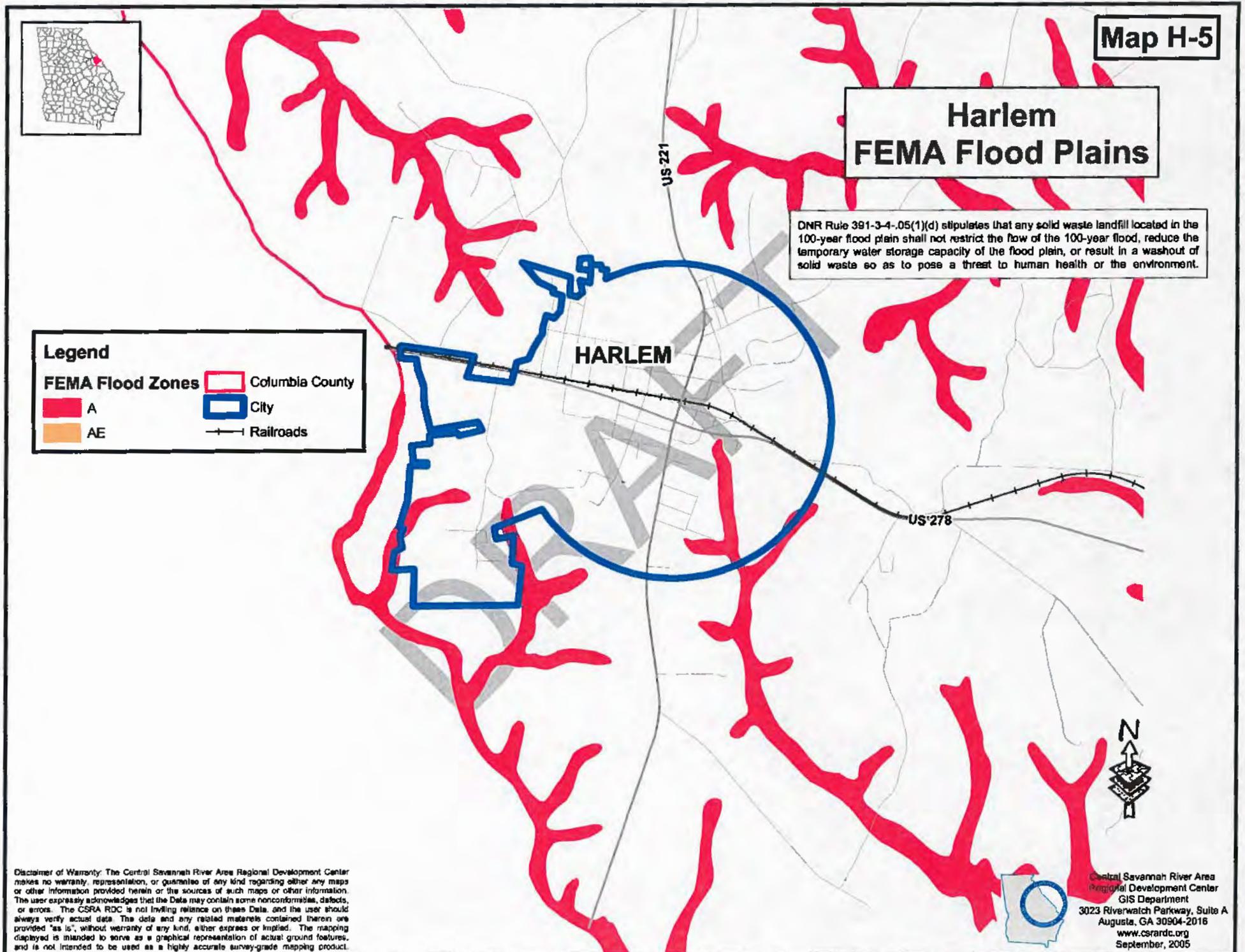
# Harlem FEMA Flood Plains

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**Legend**

	A		Columbia County
	AE		City
			Railroads



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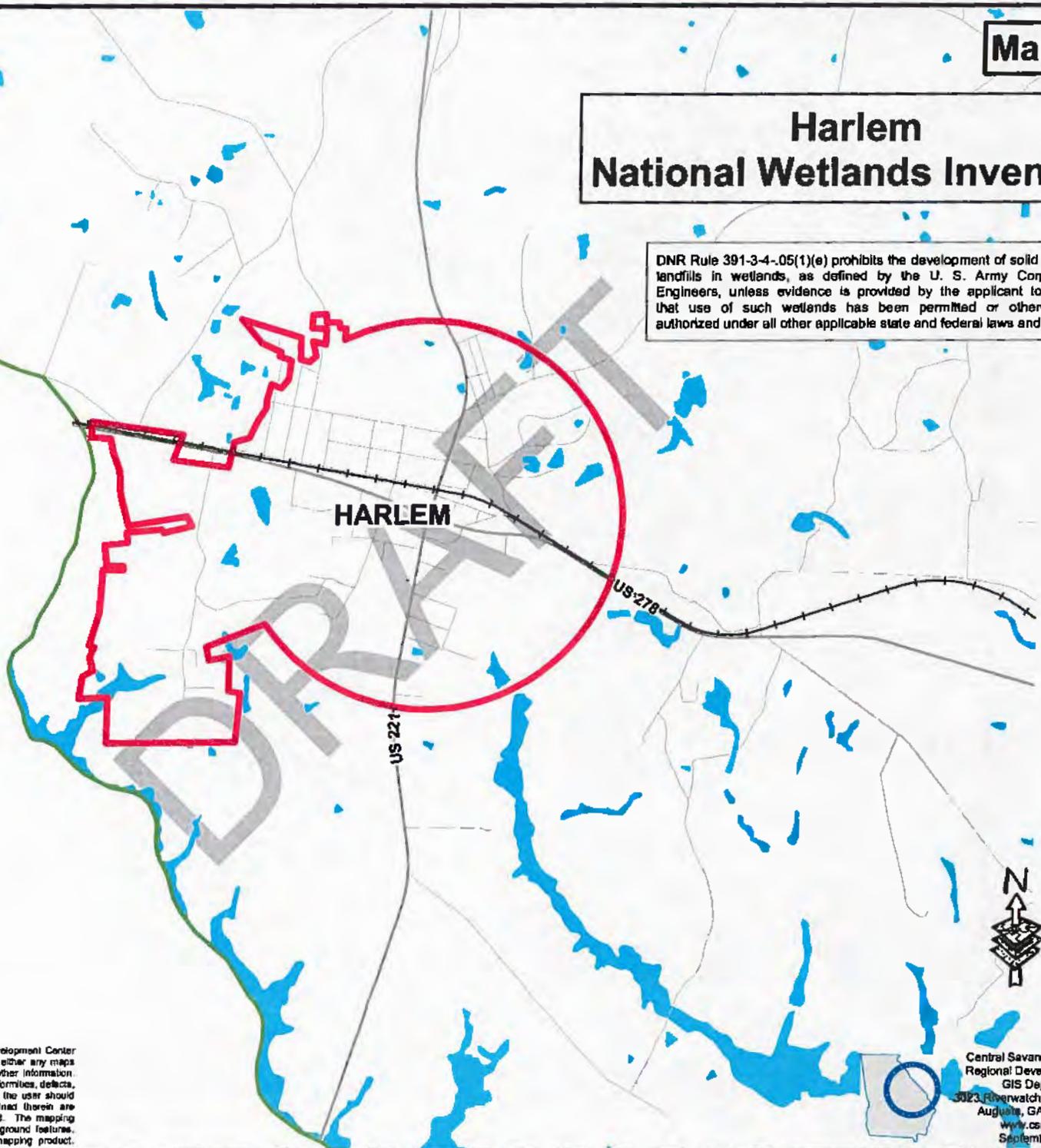
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**Legend**

-  NWI Wetlands
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-  City
-  Railroads



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# Harlem Ground Water Recharge Areas

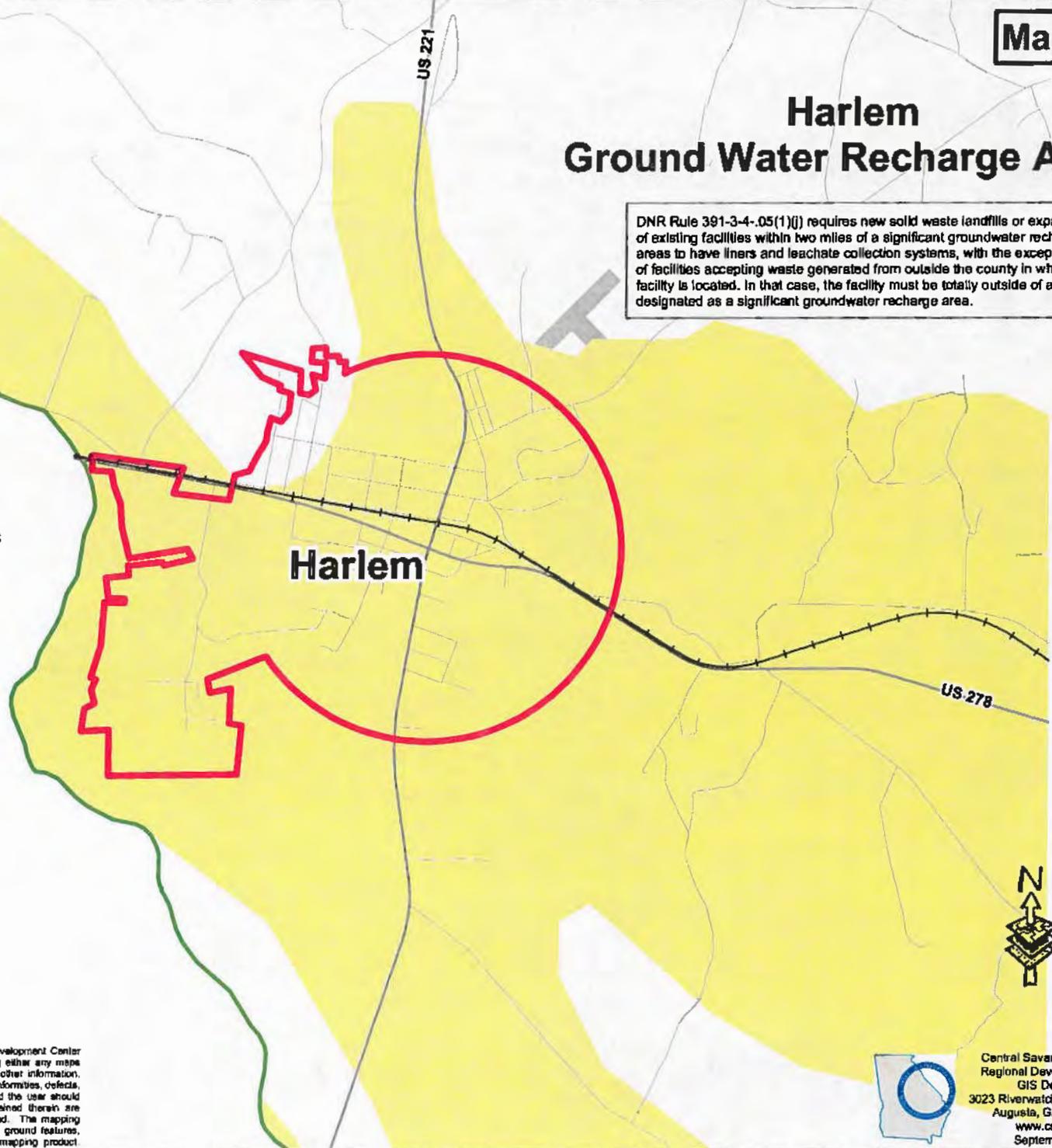
DNR Rule 391-3-4-.05(1)(j) requires new solid waste landfills or expansions of existing facilities within two miles of a significant groundwater recharge areas to have liners and leachate collection systems, with the exception of facilities accepting waste generated from outside the county in which the facility is located. In that case, the facility must be totally outside of any area designated as a significant groundwater recharge area.



### Legend

#### Ground Water Recharge Areas

- NAME**
-  CRETACEOUS-TERTIARY
  -  PROBABLE AREAS OF THICK SOILS
  -  Columbia County
  -  City
  -  Railroads



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## 7.0 Introduction

The purpose of this element of the Plan is to provide an inventory and assessment of existing educational programs and public involvement alternatives available in Columbia County and the Cities of Grovetown and Harlem. Local governments throughout Georgia are encouraging residents to become more aware of the true costs of solid waste management and the need for waste reduction, recycling and siting of new facilities.

## 7.1 Inventory

### 7.1.1 *Local Government Programs*

Currently, the County contributes to an active Clean & Beautiful program. The Columbia County Clean & Beautiful organization includes various efforts towards public education on waste reduction. Columbia County Clean & Beautiful provides information to interested parties as well as presents educational programs at local schools.

Some public education efforts have been undertaken in the development of this solid waste management plan. The Solid Waste Management Act requires local governments conduct two public hearings before submitting a solid waste management plan to the Regional Development Center for review. The first public hearing was held on September 26, 2005 at the Columbia County Government Complex. Local industries, commercial haulers, other affected parties along with the general public were encouraged to attend and become involved in the planning process. The hearing was designed to inform the public on the planning process and to encourage input on solid waste goals, needs, and issues. The second public hearing was held near the conclusion of the planning process on November 22, 2005. A copy of the Plan was prepared and distributed to stakeholders for review and comment.

### 7.1.2 *Solid Waste Committee/Task Force*

The Columbia County Board of Commissioners appointed an eight member Solid Waste Management Authority in 1994 to secure funding and provide construction oversight for a lined landfill expansion at its Baker Place Road facility. Approximately \$7,000,000 in Revenue Bonds, secured by landfill user fees, were sold to finance construction, which started in January 1995.

### 7.1.3 *School System Programs*

The Columbia County School System has active programs for educating school students with state science curriculum objectives. Known as *Quality Core Curriculum* (and soon to shift to the *Georgia Performance Standards*), the standardized curriculum provides an introduction to solid waste and waste reduction beginning at the 3rd grade level and increasing in difficulty through high school.

*7.1.4 Liter Control Programs*

Columbia County adopted a solid waste ordinance regulating litter and waste acceptable for disposal, transport, accumulation, and enforcement.

*7.1.5 Regional RDC Programs*

The CSRA RDC does not currently have any regional recycling programs in place. At the request of any member government, the RDC will include programs and projects in its annual work plan.

**7.2 Assessment and Needs**

*7.2.1 Opportunities for Public Involvement*

Currently, Columbia County and the Cities of Grovetown and Harlem rely on their staffs, public meetings, the Columbia County Solid Waste Management Authority, and Columbia County Clean & Beautiful as venues for public involvement. All these organizations are linked to one another and arrangements have worked well. The organizations relay and provide the public with involvement opportunities related to appropriate waste streams. However, the lack of a centralized structure does result in residents looking for involvement in different areas. The County and Cities should provide a central repository for solid waste information, including links to these organizations.

*7.2.2 Education Programs*

Cooperation throughout the community is imperative in achieving reduction goals. Having a large portion of the population participating will result in the most environmentally and economically sound program.

A specific employee of an appropriate agency will need to coordinate and take an active lead role in development of an effective program. The first step in implementing a public awareness program will be for decision makers to identify and contact known resources. The coordinator will need to identify resources within the community who will provide support. The Georgia Department of Community Affairs, the CSRA Regional Development Center and Columbia County Clean & Beautiful office offer information and assistance regarding existing educational programs.

Columbia County Clean & Beautiful provides an extensive amount of education to county residents. Waste reduction is a component of the group's activities, and includes targeted waste streams. Continued funding of the organization by the County will permit further education in targeted waste streams.



The Solid Waste Management Authority was originally designed as a bond issuing authority. With the County landfill about to close, there is an opportunity for the Authority to play a bigger role in education if it is continued. The group can voice concerns and assist decision makers in integrating solutions into the end product. This type of input can build community support for a given management scenario and therefore increase its success.

The Columbia County Board of Education is currently teaching an approved state curriculum. The BOE indicated that they would like to do more with solid waste, particularly targeting appropriate waste streams, but lack appropriate resources. In the 1990s, the school system had an active program for educating elementary school students utilizing materials from *Keep America Beautiful* and *Waste in Place Elementary Curriculum Guide and Waste: A Hidden Resource* developed by the Tennessee Valley Authority. This was a temporary project, in partnership with the County and Fort Discover. Efforts like these should continue, with the County and the RDC providing resources and support.

Current liter control programs serve the County and the Cities well.

The CSRA RDC has been an effective provider of waste reduction education to numerous local governments in the CSRA. This role has primarily centered on providing instruction to elementary school children. The RDC can increase its role in waste reduction by providing necessary resources to the above-mentioned organizations and to County/City governments.

The decision to appoint a coordinator and centralize resources needs to be supplemented with an effective promotion strategy. This can include:

- *Selecting a Central Theme:* Selecting a central theme with accompanying logo is a valuable asset to any solid waste program. The theme can be carried in all literature and publicity activities. It should be positive, motivating, attractive, and viable.
- *Fact Sheet:* A simple one page fact sheet or brochure can outline solid waste and reduction programs. For instance a fact sheet for a drop off recycling facility would need to identify the who, what, when, where, why and how of the program. Having the fact sheet easy to follow and visually appealing with appropriate diagrams and directions is an effective strategy.
- *Public Speaking:* Public speaking arrangements using slide shows can provide information to a large group of people at one time. The presentation can be geared towards a particular interest group, thereby increasing their personal involvement. Potential audiences include church gatherings, civic luncheons, businesses, clubs, and professional associations. The informational packets distributed at these

meetings will then be passed around to neighbors, friends and associates of club members, which further increases the number of people receiving the message.

- *Surveys and Questionnaires:* Surveys and questionnaires are excellent tools for measuring public acceptance and increasing awareness. Surveys and questionnaires can be included with water bills and conducted in concert with the performance review discussed in the collection and disposal sections.
- *Working with Media:* Working with the local newspaper is an excellent means of reaching large numbers of people. Newspapers, radio, and TV stations are more likely to support a program which supports them with advertising space or time. Free publicity can come in the form of public service announcements, human-interest stories and community events. Providing newspaper staff with interesting feature stories and pictures of value to readers builds good press relations (see Appendix E for local contacts).
- *Working with Other Groups:* Programs can be integrated with activities outside the school as well, such as reading programs at libraries. Other organizations, such as boy and girl scouts, church groups, 4-H clubs, and junior achievement clubs can offer opportunities. For instance Scouts have merit badges that focus on ecology, recycling, and civic pride (see Appendix E for list of civic groups and organizations).

### 7.3 Goals

All goals are applicable to Columbia County and the Cities of Grovetown and Harlem unless otherwise noted.

- Educate residents on the importance of pursuing a reduction in the amount of solid waste received at disposal facilities.
- Develop education and awareness programs for recycling, especially for targeted waste streams using standard environmental guidebooks as sources, and coordinate activities with the Columbia County Board of Education.
- Dedicate an employee that will serve as coordinator among groups promoting waste reduction (Columbia County).
- Maintain a central depository of solid waste and recycling materials.
- Continue supporting Columbia County Clean & Beautiful.
- Publish city/county full cost accounting of solid waste management services.
- Provide fact sheet on city/county solid waste services at government offices and newsletters (Columbia County).
- Work with the State's Recycling Coordinator and the CSRA RDC to identify viable educational and recycling projects in the county.
- Publicize and promote all proposed solid waste reduction programs and Solid Waste Management Authority meetings.



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## 8.0 Introduction

The implementation strategy represents a culmination of information gathered in the preceding elements. After all elements have been inventoried and assessed, and needs and goals have been identified, the plan must identify an implementation schedule for relevant current programs and future planned programs for each element.

The implementation strategy is presented in the attached work plan. It includes specific actions which address the needs and goals expressed in the planning elements and which will help the State reach the statewide waste disposal reduction goal. Plans and programs presented in the implementation strategy demonstrate ten-year collection capability and disposal capacity. Finally, the implementation strategy identifies specific administrative responsibilities and budgeting necessary to implement the Plan (see Appendix F for a report of accomplishment on the previous work plan).

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**Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan Implementation Strategy 2006-2015**

	ACTIVITY	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Responsible Party	Cost	Funding Source
	<b>Waste Reduction Element</b>													
1	Continue the Solid Waste Management Authority	X	X	X	X	X	X	X	X	X	X	County	N/A	N/A
2	Appoint a county coordinator to oversee waste reduction and recycling data and coordinate with stakeholders	X	X	X	X	X	X	X	X	X	X	County	N/A	N/A
3	Encourage local businesses to increase waste reduction and recycling efforts	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
4	Conduct annual review of the Long Range Reduction Plan	X	X	X	X	X	X	X	X	X	X	County	N/A	N/A
5	Participate in Waste Recovery/Recycling Training	X	X	X	X	X	X	X	X	X	X	County/Cities	\$2,000/yr	Enterprise Fund Budget
6	Work with CSRA RDC to study feasibility of regional markets for recyclables	X	X	X	X							County/Cities	N/A	Grants
7	Continue mulching of yard waste for citizens/public uses	X	X	X	X	X	X	X	X	X	X	Cities	N/A	General Fund
8	Continue curbside pick up of recyclables by private service provider contract	X	X	X	X	X	X	X	X	X	X	Harlem	\$2,000/yr	General Fund
9	Continue City curbside recycling	X	X	X	X	X	X	X	X	X	X	Grovetown	\$20,000/yr	General Fund
10	Monitor recyclables collection volume and type for planning	X	X	X	X	X	X	X	X	X	X	Cities	N/A	N/A
11	Monitor effectiveness of waste reduction/recycling programs for integrating & combining services	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
12	Maintain municipal waste reduction and recycling equipment	X	X	X	X	X	X	X	X	X	X	Cities	N/A	N/A
	<b>Collection Element</b>													
1	Review and conduct a performance review of open market waste collection in unincorporated area of Columbia County by private service providers		X		X		X		X		X	County	N/A	Private Providers
2	Maintain collection data provided by private haulers and assess on a yearly basis	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A

**Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan Implementation Strategy 2006-2015**

	ACTIVITY	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Responsible Party	Cost	Funding Source
3	Review use of franchise areas/contract collection by private service provider options for unincorporated waste collection	X	X	X	X	X	X	X	X	X	X	County	N/A	N/A
4	Continue curbside & commercial waste collection by contract with private service provider	X	X	X	X	X	X	X	X	X	X	Cities	Variable	SW Operating Budget
5	Review options with Columbia County Government for collection if available and economically competitive in market place	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
6	Coordinate collection element with Growth Management Plans	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
7	Maintain current collection contingency program and coordinate with the Columbia County Emergency Management Agency on contingency strategies	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
8	H. City government collection vehicle & equipment replacement:													
	A. Flatbed Truck (Harlem)	X	X	X	X	X						Cities	\$40,000	General Fund
	B. Pickup Truck (Grovetown)	X	X	X	X	X						Cities	\$20,000	General Fund
	C. Leaf Vacuum (Grovetown, Harlem)	X	X	X	X	X						Cities	\$20,000	General Fund
	D. Recycle Bins (Grovetown, Harlem)	X	X	X	X	X						Cities	Variable	General Fund
	<b>Disposal Element</b>													
1	Continue to pursue the State's 25% reduction in the amount of solid waste received at disposal facilities.	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
2	Evaluate disposal efforts periodically to determine if changes are needed or if new disposal mechanisms are feasible	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
3	Maintain disposal data provided by private haulers and assess on a yearly basis	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A

**Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan Implementation Strategy 2006-2015**

	ACTIVITY	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Responsible Party	Cost	Funding Source
4	Continue to monitor operation & waste volume market share of existing private operated inert L/fills	X	X	X	X	X	X	X	X	X	X	County	N/A	N/A
5	Monitor operation & market share of construction & demolition L/fill	X	X	X	X	X	X	X	X	X	X	County	N/A	N/A
6	Continue City operation of inert L/fills	X	X	X	X	X	X	X	X	X	X	Cities	Variable	SW Operating Budget
7	Conduct disposal performance review		X		X		X		X		X			
8	Coordinate disposal element with Growth Management Plans	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
9	Maintain current disposal contingency program and coordinate with the Columbia County Emergency Management Agency on contingency strategies	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
10	Maintain city operation of inert landfills	X	X	X	X	X	X	X	X	X	X	Cities	N/A	N/A
	<b>Land Limitation Element</b>													
1	Continue use of "Siting Criteria Maps" in review & planning for future solid waste management facilities	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
2	Monitor closing of the Baker Place Rd landfill as required	X	X	X	X	X	X	X	X	X	X	County	N/A	N/A
3	Continue use of City/County zoning regulations, other ordinances and plans in locating solid waste management facilities	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
4	Review City/County ordinances for amendments due to land use changes and waste reduction/recycling programs implementation	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
5	Enforce jurisdictional ordinances through code enforcement	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
6	Adopt ordinances recommended in the Columbia County Growth Management Plan	X	X	X								County	N/A	N/A

**Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan Implementation Strategy 2006-2015**

	ACTIVITY	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Responsible Party	Cost	Funding Source
	<b>Education and Public Involvement Element</b>													
1	Continue publication of City/County full cost accounting of solid waste management services	X	X	X	X	X	X	X	X	X	X	County/Cities	\$500/yr each	Enterprise Fund / General Fund
2	Provide fact sheets on City/County solid waste services at Government offices and news letters w/SWM information	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
3	Continue to finance the development of education and public involvement programs through the Columbia County Community Leisure Services Division and Columbia County Clean & Beautiful	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
4	Educate residents on the importance of pursuing waste reduction and develop awareness programs for targeted waste streams	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
5	Dedicate an employee that will serve as coordinator among groups promoting waste reduction	X	X	X	X	X	X	X	X	X	X	County	N/A	N/A
6	Maintain central depository of solid waste and recycling materials	X	X	X	X	X	X	X	X	X	X	County	N/A	N/A
7	Provide press release on all SWMA & Committee (Finance & Planning) Meetings	X	X	X	X	X	X	X	X	X	X	County	N/A	N/A
8	Work with the State Recycling Coordinator and the CSRA RDC to identify viable educational and recycling projects.	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A
9	Continue use of standard environmental guidebooks as a curriculum resource w/the Columbia County Board of Education	X	X	X	X	X	X	X	X	X	X	County/Cities	N/A	N/A

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## Appendix A

## RECYCLING DROP-OFF/CENTERS

1. NEWSPAPERS(NP) / MAGAZINES(MZ) RECOVERY

NAME	ADDRESS	COMMENTS
PAPER STOCK DEALERS, INC.	1525 GOVERNMENT ST. AUGUSTA, GA 30904 (706) 733-7757	BINS NP & MZ
FORT GORDON RECYCLING CENTER	19 <sup>TH</sup> STREET & CHAMBERLAIN AVE. (706) 791-7881	BINS NP & MZ
JEFFERSON SMURFIT CORP.	1311 WALKER STREET (706) 722-9603	BINS NP & MZ
MUNICIPAL BUILDING PARKING LOT	CORNER OF 6 <sup>TH</sup> & TELFAIR STREET	BINS NP & MZ
HOLY TRINITY CATHOLIC CHURCH	8 <sup>TH</sup> & TELFAIR STREET	BINS NP & MZ
MC BEAN COMMUNITY CENTER	OLD SAVANNAH RD.	BINS NP & MZ
HEPHZIBAH PHARMACY	HWY 88 & WINDSOR SPRING ROAD	BINS NP & MZ
ST. TERESA'S CATHOLIC CHURCH	PLEASANT HOME ROAD	BINS NP & MZ
PUBLIX SUPERMARKET	WASHINGTON ROAD	BINS NP & MZ
PUBLIX SUPERMARKET	FURY FERRY'S ROAD	BINS NP & MZ
CENTRAL AVENUE FIRE STATION	CENTRAL AVENUE	BINS NP & MZ
WINDSOR SPRING ROAD FIRE STATION	WINDSOR SPRING ROAD	BINS NP & MZ
SHARE RIDE PARKING LOT	WHEELER ROAD & MARKS CHURCH ROAD	BINS NP & MZ
AUGUSTA-RICHMOND COUNTY LANDFILL	HIGHWAY #1	BINS NP & MZ

**A P P E N D I X**

<b>NAME</b>	<b>ADDRESS</b>	<b>COMMENTS</b>
BAKER PLACE ROAD LANDFILL	590 BAKER PLACE ROAD	BINS NP & MZ
SOUTH COLUMBIA ELEMENTARY	COLUMBIA COUNTY SCHOOL	BINS NP & MZ
GROVETOWN ELEMENTARY	COLUMBIA COUNTY SCHOOL	BINS NP & MZ
WESTMONT ELEMENTARY	COLUMBIA COUNTY SCHOOL	BINS NP & MZ
BELAIR ELEMENTARY	COLUMBIA COUNTY SCHOOL	BINS NP & MZ
EVANS ELEMENTARY	COLUMBIA COUNTY SCHOOL	BINS NP & MZ
RIVERSIDE ELEMENTARY	COLUMBIA COUNTY SCHOOL	BINS NP & MZ
BROOKSIDE ELEMENTARY	COLUMBIA COUNTY SCHOOL	BINS NP & MZ
BRIAN MERRY ELEMENTARY	RICHMOND COUNTY SCHOOL	BINS NP & MZ
BARTON CHAPEL ELEMENTARY	RICHMOND COUNTY SCHOOL	BINS NP & MZ
BUNGALOW ROAD ELEMENTARY	RICHMOND COUNTY SCHOOL	BINS NP & MZ
NATIONAL HILLS ELEMENTARY	RICHMOND COUNTY SCHOOL	BINS NP & MZ
TOBACCO ROAD ELEMENTARY	RICHMOND COUNTY SCHOOL	BINS NP & MZ
GARRETT ELEMENTARY	RICHMOND COUNTY SCHOOL	BINS NP & MZ
DOROTHY HAINES ELEMENTARY	RICHMOND COUNTY SCHOOL	BINS NP & MZ
WARREN ROAD ELEMENTARY	RICHMOND COUNTY SCHOOL	BINS NP & MZ

**2. SCRAP METAL RECYCLING**

NAME	ADDRESS	COMMENTS
AUGUSTA METALS	2224 MARTIN LUTHER KING JR. BLVD. (706)738-5185	WILL TAKE ALL TYPES OF METAL EXCEPT FOR APPLIANCES
ATLAS RECYCLING, INC.	2543 DEANS BRIDGE RD. (706)733-2099	WILL TAKE ALL NON FERROUS METALS, DYE CAST
CMC INDUSTRIES	1890 OLD SAVANNAH ROAD (706)724-5865	WILL TAKE ALL METALS INCLUDING APPLIANCES
WISE RECYCLING	1468 GORDON HWY & DAN BOWLES ROAD (706)798-3536	WILL TAKE ALUMINUM, COPPER AND BRASS
AUGUSTA-N. AUGUSTA REGIONAL RECOVERY FACILITY	101 CLAY PIT ROAD (803)441-4242	WILL TAKE ALUMINUM AND STEEL
BAKER PLACE ROAD LANDFILL	590 BAKER PLACE ROAD (706)868-3367	WILL TAKE ALL TYPES OF SCRAP METAL
AUGUSTA - RICHMOND COUNTY LANDFILL	4330 DEANS BRIDGE RD (706)592-9634	WILL TAKE ALL TYPES OF METAL
TRIPLE "R" RECYCLING	4031 WASHINGTON RD. PH# 863-2469 PGR# 785-9597	WILL TAKE ALL NON-FERROUS METALS/PAYS A FEE.

**3. USED OIL RECOVERY**

NAME	ADDRESS	COMMENT
Q-LUBE	1642 WALTON WAY 738-5709	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE)AND NO FILTERS
Q-LUBE	3346 WRIGHTSBORO RD 738-6308	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
Q-LUBE	216 BOBBY JONES EXPRESSWAY	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO

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	860-9026	FILTERS
Q-LUBE	2029 WINDSOR SPRING ROAD 790-3935	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
Q-LUBE	4405 WASHINGTON RD. 869-9219	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
ADVANCED AUTO	2112 LUMPKIN ROAD 793-3282	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
ADVANCED AUTO	2522 TOBACCO ROAD 560-2192	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
ADVANCED AUTO	1993 WALTON WAY 738-7760	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
ADVANCED AUTO	4483 COLUMBIA ROAD 863-9371	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
AUTO ZONE	2946 DEANS BRIDGE RD. 796-6554	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
AUTO ZONE	503 ATOMIC ROAD 278-4040	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
AUTO ZONE	4482 COLUMBIA ROAD 860-5949	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
AUTO ZONE	217 FURY'S FERRY ROAD 860-8994	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
AUTO ZONE	2318 MILLEDGEVILLE RD 738-1666	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
AUTO ZONE	2525 TOBACCO ROAD 790-6680	OIL, WILL TAKE UP TO 5 GALLONS(NO FEE) AND NO FILTERS
BAKER PLACE ROAD LANDFILL	590 BAKER PLACE ROAD 863-3367	WILL TAKE MOTOR OIL, HYDRAULIC & BRAKE FLUID & OIL FILTERS



**4. BATTERY RECOVERY**

NAME	ADDRESS	COMMENT
THE BATTERY BOX	128 SANDBAR FERRY RD. 722-5448	WILL ACCEPT ALL TYPES OF BATTERIES
ATLAS RECYCLING, INC.	2543 DEANS BRIDGE RD. 733-2099	WILL ACCEPT ALL TYPES OF BATTERIES
BAKER PLACE ROAD LANDFILL	590 BAKER PLACE ROAD 868-3367	LEAD ACID BATTERIES ONLY

**5. CARDBOARD RECOVERY**

NAME	ADDRESS	COMMENT
AUGUSTA -N. AUGUSTA REGIONAL MATERIAL RECOVERY	101 CLAY PIT ROAD (803) 441-4242	FOR RESIDENTIAL & COMMERCIAL USE
BAKER PLACE ROAD LANDFILL	590 BAKER PLACE ROAD 868-3367	FOR RESIDENTIAL USE ONLY
FORT GORDON RECYCLING CENTER	19 <sup>TH</sup> STREET & CHAMBERLAIN STREET 791-7881	FOR RESIDENTIAL & COMMERCIAL USE
STONE SMURFIT CORP.	1311 WALKER STREET 722-9603	FOR RESIDENTIAL & COMMERCIAL USE

**6. ALUMINUM CAN RECOVERY**

NAME	ADDRESS	COMMENT
CMC	1890 OLD SAVANNAH RD 796-7600	FERROUS & NON-FERROUS MATERIALS
STONE SMURFIT CORP.	1311 WALKER STREET 722-9603	WILL ACCEPT RESIDENTIAL & COMMERCIAL
AUGUSTA - N. AUGUSTA REGIONAL MATERIAL RECOVERY	101 CLAY PIT ROAD (803) 441-4242	WILL ACCEPT RESIDENTIAL & COMMERCIAL

**APPENDIX**

<b>NAME</b>	<b>ADDRESS</b>	<b>COMMENT</b>
SOUTHEASTERN FIREFIGHTERS BURN FOUNDATION	3614-C J DEWEY GREY CIRCLE AUGUSTA, GA 650-2876	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #7	CENTRAL AVENUE	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #6	RICHMOND HILL ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #8	DANIEL VILLAGE	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #9	WALTON WAY EXT.	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #17	OLD WAYNESBORO RD.	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #18	WINDSOR SPRING ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
DOCTORS HOSPITAL	3651 WHEELER ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA NEWSPRINT	2434 DOUG BERNARD PARKWAY	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
CMC	1890 OLD SAVANNAH RD 796-7600	FERROUS & NON-FERROUS MATERIALS
STONE SMURFIT CORP.	1311 WALKER STREET 722-9603	WILL ACCEPT RESIDENTIAL & COMMERCIAL
AUGUSTA - N. AUGUSTA REGIONAL MATERIAL RECOVERY	101 CLAY PIT ROAD (803) 441-4242	WILL ACCEPT RESIDENTIAL & COMMERCIAL
WISE RECYCLING	1468 GORDON HWY 798-3536	WILL ACCEPT RESIDENTIAL & COMMERCIAL
SOUTHEASTERN FIREFIGHTERS BURN FOUNDATION	3614-C J DEWEY GREY CIRCLE AUGUSTA, GA 650-2876	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #7	CENTRAL AVENUE	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #6	RICHMOND HILL ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES

**APPENDIX**

<b>NAME</b>	<b>ADDRESS</b>	<b>COMMENT</b>
AUGUSTA-RICHMOND CO. FIRE DEPT. #8	DANIEL VILLAGE	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #9	WALTON WAY EXT.	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #17	OLD WAYNESBORO RD.	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA-RICHMOND CO. FIRE DEPT. #18	WINDSOR SPRING ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
DOCTORS HOSPITAL	3651 WHEELER ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA NEWSPRINT	2434 DOUG BERNARD PARKWAY	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AUGUSTA DSM CHEMICALS	#1 COLUMBIA NITROGEN ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
MARTINEZ FIRE DEPT. #1	WASHINGTON ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
MARTINEZ FIRE DEPT. #3	FURYS FERRY ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
MARTINEZ FIRE DEPT. #4	OAKLEY PIRKLE ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
GROVETOWN DEPT. OF PUBLIC SAFETY	306 EAST ROBINSON AVE.	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AIKEN DEPT. OF PUBLIC SAFETY #2	AUGUSTA HWY	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
AIKEN DEPT. OF PUBLIC SAFETY #3	SILVER BLUFF ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
BELEVDERE FIRE DEPT.	DORR ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
GRANITEVILLE VFD	OLD GRANITEVILLE ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
BEECH ISLAND VFD	SANDBAR FERRY ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
KIMBERLY CLARK	OLD JACKSON HWY	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES

**APPENDIX**

<b>NAME</b>	<b>ADDRESS</b>	<b>COMMENT</b>
BAKER PLACE ROAD LANDFILL	590 BAKER PLACE ROAD	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
APPLING FIRE DEPT.	2385 SCOTTS FERRY RD.	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES
THOMSON FIRE DEPT.	228 McCOMMONS ST.	PROCEEDS BENEFIT BURN VICTIMS AND THEIR FAMILIES

**7. PLASTIC RECOVERY**

<b>NAME</b>	<b>ADDRESS</b>	<b>COMMENT</b>
FORT GORDON RECYCLING CENTER	19 <sup>TH</sup> STREET & CHAMBERLAIN 791-7881	ACCEPTS #1 & #2 PLASTIC ITEMS(NO PLASTIC BAGS)
AUGUSTA-N. AUGUSTA REGIONAL MATERIAL RECOVERY	101 CLAY PIT ROAD (803) 441-4242	ACCEPTS #1 & #2 PLASTICS(DRINK BOTTLES & MILK JUGS)

**8. GLASS RECOVERY**

<b>NAME</b>	<b>ADDRESS</b>	<b>COMMENT</b>
FORT GORDON RECYCLING CENTER	19 <sup>TH</sup> STREET & CHAMBERLAIN 791-7881	ACCEPTS CLEAR GLASS ONLY
AUGUSTA-N. AUGUSTA REGIONAL MATERIAL RECOVERY	101 CLAY PIT ROAD 441-4242	ACCEPTS CLEAR, BROWN, & GREEN GLASS CONTAINERS

**9. PAINT RECOVERY**

<b>NAME</b>	<b>ADDRESS</b>	<b>COMMENT</b>
BAKER PLACE ROAD LANDFILL	590 BAKER PLACE ROAD 868-3367	ACCEPTED FROM RESIDENTS ONLY
ALTERNATE ENERGY RESOURCES, INC.	2730 WALDEN DR. 738-1571	CHARGE OF \$2.00 PER GALLON

**10. SCRAP TIRE RECOVERY**

NAME	ADDRESS	COMMENT
BAKER PLACE ROAD LANDFILL	590 BAKER PLACE ROAD GROVETOWN, GA	PH# 868-3367 FAX# 868-3366 EMAIL:dbartles@co.columbia. ga.us
AUGUSTA/RICHMOND COUNTY LANDFILL	4330 DEANS BRIDGE RD. AUGUSTA, GA	PH# 592-9634 FAX# 592-1658
BROWNING FERRIS INDUSTRIES (BFI)	683 COMMERCE STREET MARTINEZ, GA	PH# 860-7010 FAX# 860-2106
WASTE MANAGEMENT	208 PREP PHILLIPS DR. AUGUSTA, GA	PH# 724-7200 FAX# 724-5386
RIDGE RECYCLERS	P.O. BOX 568 JOHNSTON, SC 29832	PH# (803) 275-5111 FAX# (803)275-5119
GREENMAN TECHNOLOGIES OF GEORGIA INC.	138B SHERREL AVENUE JACKSON, GA 30233	PH# 1-800-732-6678 FAX# (770)775-4304
PRICE ENTERPRISE	P.O. BOX 52,HWY57 W WRIGHTSVILLE, GA	PH# (912)864-3898 FAX# (912)864-3898
WASTE RECOVERY, INC.	1593 HUBER STREET, NW ATLANTA, GA	PH# 1-800-249-5086 FAX# (404)355-0547

**11. USED CLOTHING, FURNITURE, AND TOYS**

NAME	ADDRESS	COMMENT
GOODWILL INDUSTRIES	4020 WASHINGTON RD. MARTINEZ, GA PH# 855-8559	ACCEPTS DONATIONS OF CLOTHING, FURNITURE, ELECTRIC APPLIANCES, AND TOYS. PLEASE CALL FOR LOCATION NEAREST YOU.
SALVATION ARMY	1384 GREENE STREET AUGUSTA, GA PH# 826-7933	ACCEPTS DONATIONS OF CLOTHING, FURNITURE, ELECTRIC APPLIANCES, AND TOYS. PLEASE CALL FOR LOCATION NEAREST

**APPENDIX**

		<b>YOU.</b>
<b>FIRST FAMILY SERVICES</b>	<b>1801 CENTRAL AVENUE AUGUSTA, GA PH# 733-5437</b>	<b>ACCEPTS DONATIONS OF CLOTHING, FURNITURE AND TOYS.</b>
<b>BAKER PLACE ROAD LANDFILL</b>	<b>590 BAKER PLACE ROAD GROVETOWN, GA PH# 868-3367</b>	<b>ACCEPTS DONATIONS OF CLOTHING, FURNITURE AND TOYS.</b>

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## Appendix B

### Columbia County Solid Waste Ordinance

#### Chapter 70 SOLID WASTE\*

\*Cross references: Dead animals, § 14-13; buildings and building construction, cb. 18; environment, ch. 34; health and sanitation, ch. 46; mobile homes and trailers, cb. 54; water and sewers, ch. 86.

State law references: Local, multijurisdictional and regional solid waste plans, O.C.G.A. § 12-8-31.1; solid waste management education program, establishment of Georgia Clean and Beautiful Advisory Committee and Interagency Council on Solid Waste Management, O.C.G.A. § 50-8-7.3.

#### Sec. 70-1. Definitions.

The following words, terms and phrases, when used in this chapter, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

*Litter* means all discarded sand, gravel, brickbats, rubbish, nonfunctioning motor vehicle parts, small appliances, appliance parts, waste material, tin cans, garbage, trash, debris, dead animals or other discarded materials of every kind and description, which are not defined as "waste" in this section.

*Private property* means any property owned by a private person.

*Public property* means the right-of-way of any public road or highway; any publicly owned or controlled body of water or watercourse; any public park, playground, refuge, conservation or recreation area; and any other land or buildings owned by the United States, the state or any governmental entity, agency or political subdivision of the state or the United States.

*Responsible authority* means the county engineering and environmental services division, or any other division of the county government designated by the board of commissioners to implement and enforce the provisions of this chapter, or its authorized representatives, together with the county sheriff's office.

*Scrap tire* means any tire which is no longer suitable for its original intended purpose because of wear, damage or defect.

*Waste* means all discarded substances and materials exceeding ten pounds in weight or 15 cubic feet in volume, or any such substance of any weight or volume if biomedical waste, hazardous waste (as such term is defined in O.C.G.A. § 12-8-62), a hazardous substance (as such term is defined in O.C.G.A. § 12-8-92) or any such substance or material dumped for commercial purposes. This term includes, but is not limited to, bottles; boxes; containers; papers, tobacco products; tires; appliances; mechanical equipment or parts; building or construction materials; tools; machinery; wood; motor vehicles and motor vehicle parts; vessels; aircraft equipment; waste oil; batteries; antifreeze; sludge from a wastewater treatment facility, water supply treatment plant or air pollution control facility; discarded material; or substance of any kind or description resulting from domestic, industrial, commercial, mining or governmental operations, including household, commercial, construction and demolition waste or industrial solid waste which is nonhazardous, nonmedical and in a form classified as solid waste by the state department of natural resources.

(Code 1979, § 2-12.5-1)

Cross references: Definitions generally, § 1-2.

**Sec. 70-2. Functions of the responsible authority.**

In order to protect the health, safety and welfare of the people of the county and those temporarily located in the county, the responsible authority is authorized and directed to implement and enforce the provisions of this chapter, and in doing so, to control the storage, collection and disposal of litter and waste within the county, to operate the county's landfill and any other litter and waste collection and disposal facilities, equipment or systems owned and/or operated by the county to approve and regulate the establishment, maintenance and operation of private litter and waste collection systems, and litter and waste disposal methods and sites.

(Code 1979, § 2-12.5-2)

**Sec. 70-3. Funds.**

The board of commissioners may make funds available by appropriation, borrowing, collecting fees and charges and operating an enterprise fund or other means, in accordance with the laws of the state and the county, to purchase or lease equipment for the disposal of litter and waste, and for the establishment, maintenance and operation of waste and litter collection systems and disposal methods, facilities and sites.

(Code 1979, § 2-12.5-3)

**Sec. 70-4. Disposal.**

- (a) The person which is the owner, user and/or occupant of any land and/or building in the unincorporated areas of the county shall be responsible for the sanitary and proper handling and disposition of litter, waste and scrap tires generated on or located on the land and/or in the building owned, used or occupied by such person. It shall be unlawful to dump, deposit, throw, leave or

cause or permit the dumping, depositing, placing, throwing or leaving of litter, waste or scrap tires at any place in the unincorporated areas of the county, including, without limitation, any public or private property, lakes, streams, rivers, ponds or other waters in the unincorporated areas of the county, or which flow through the unincorporated areas of the county, unless the:

- (1) Property is designed as a solid waste landfill, transfer station or other solid waste disposal site, and properly permitted by the state for such use; or
- (2) Litter or waste is placed into a receptacle or container installed or maintained on such property for the temporary storage of litter or waste; provided, however, that any litter or waste placed into such receptacle or container must not be allowed to accumulate to the point of overflowing the container or receptacle, or to a point where the container or receptacle cannot be closed. All litter or waste stored in such fashion must be transported to a facility as set forth in subsection (a)(1) of this section within 14 days of being placed in the receptacle or container.
  - (b) It shall be unlawful, unless authorized to do so by law or by a duly issued permit, for any person to dump or place waste or litter in or on any:
    - (1) Public highway, road, street, alley, right-of-way or thoroughfare, or on any other public land, except for the placing of litter or waste in containers lawfully provided for the temporary storage of such litter or waste.
    - (2) Fresh water lake, river, canal, pond, stream or creek.

(Code 1979, § 2-12.5-4)

Sec. 70-5. Litter and waste acceptable for disposal.

- (a) No substance or material shall be placed in any landfill, transfer station or other type of solid waste collection or disposal facility or system owned and/or operated by the county which would cause such facility or system to be in violation of any applicable federal or state law, rule or regulation. The board of commissioners, by resolution adopted from time to time, may limit or restrict the types of substances or materials which may be placed in any landfill, transfer station or other type of solid waste disposal facility which is owned or operated by the county.
- (b) Yard trimmings shall not be placed in or mixed with solid waste. Yard trimmings include, but are not limited to, grass clippings, leaves, pine straw, shrubbery and limbs. Yard trimmings shall not be disposed of at any solid waste disposal facility which has liners and a leachate collection system or requires vertical expansion within the county. Yard trimmings shall be sorted and stockpiled, or chipped, composted, used as mulch or otherwise beneficially reused or recycled to the maximum extent feasible. Yard trimmings which are to be collected by any person other than the property owner shall be sorted and stored in such a manner as to facilitate collection, composting or other handling.



(Code 1979, § 2-12.5-5)

**Sec. 70-6. Transporting.**

- (a) It shall be unlawful to drive or operate a vehicle in the county hauling wet or moist litter or waste which vehicle allows such material to leak, flow freely or spill from such vehicle.
- (b) Any litter or waste hauled on a moving vehicle in the unincorporated areas of the county shall be placed in an enclosed area of the vehicle, or covered or secured by a tarpaulin or other form of covering or restraint device adequately tied or anchored in such a manner that the litter or waste will not blow or escape from such vehicle while such vehicle is moving or is parked on public or private streets or roadways in the county.
- (c) Vehicles used for the collection and transportation of waste or litter in the unincorporated areas of the county shall be maintained in good repair, have watertight, metal bodies of easily cleanable construction, and shall be kept sufficiently clean so as to prevent the creation of offensive or noxious odors, insect or rodent habitation, unsightly conditions or other conditions that would constitute a nuisance.

(Code 1979, § 2-12.5-6)

Cross references: Traffic and vehicles, ch. 82.

**Sec. 70-7. Regulation of containers and receptacles.**

- (a) Each waste or litter container or receptacle in the unincorporated areas of the county shall be maintained in as sanitary a condition as is reasonably possible consistent with such container's or receptacle's use for waste and litter disposal, and shall not be allowed to create strong, offensive or noxious odors, serve as an insect or rodent feeding area or habitat, become unsightly or cause other conditions which would constitute a nuisance.
- (b) Every person disposing of waste or litter in the unincorporated areas of the county shall place such waste or litter into containers or receptacles designed to temporarily store such waste or litter, or directly into the landfill, transfer station or other facility intended and properly permitted by the state for the disposal of waste and litter.
- (c) No person shall deposit any burning or smoldering material in waste or litter containers or receptacles located in the unincorporated areas of the county.
- (d) No person shall set fire to the contents of any waste or litter container or receptacle, scatter the contents thereof or otherwise vandalize, damage or destroy such container or receptacle.
- (e) No dead animal shall be deposited in any waste or litter container or receptacle. All dead animals shall be disposed of as provided for in the Dead Animal Disposal Act, O.C.G.A. § 4-5-1 et seq., and chapter 14 of this Code.
- (f) No person shall deposit large noncompatible articles in waste or litter containers or receptacles, including, but not limited to, stoves, refrigerators,

other appliances, bed springs, mattresses, scrap tires, air conditioning units or similar items.

- (g) No person shall deposit any explosive material in any waste or litter container or receptacle.
- (h) No person shall place or store litter or waste in the area surrounding waste or litter containers or receptacles, which is not itself in a waste or litter container or receptacle.

(Code 1979, § 2-12.5-7)

**Sec. 70-8. Accumulation.**

- (a) No owner or occupant of any land or building in the unincorporated areas of the county shall allow litter or waste to accumulate on such land or in such building, or shall bury or burn litter or waste on such land or in such building without prior authorization and permission from the applicable regulatory agencies, including, but not limited to, the environmental protection division of the Environmental Protection Agency and/or the state forestry service. Nothing in this subsection shall authorize or be construed to permit the burial or burning of any material which is otherwise prohibited by federal or state law, rule or regulation.
- (b) No owner or occupant of any land or building in the unincorporated areas of the county shall allow the creation on such land or in such building of a health hazard to neighbors, other citizens or members of the general public, the creation of an unsightly condition or the emission of foul or obnoxious odors as a result of the accumulation of litter or waste.
- (c) Any person who owns, uses or occupies any land or building in the unincorporated areas of the county shall be responsible for contracting with a properly licensed commercial hauler, or otherwise providing for the collection of such waste and litter, and disposal of such waste and litter at a properly permitted and licensed solid waste disposal facility, on a regular and frequent basis.

(Code 1979, § 2-12.5-8)

**Sec. 70-9. Enforcement.**

Enforcement of this chapter shall be the responsibility of the county sheriff or his designee, and any other official of the county designated by the board of commissioners. Any person authorized to enforce this chapter shall do so in conformance with the laws of the United States and the state, including, but not limited to, the laws relating to searches.

(Code 1979, § 2-12.5-10)

**Sec. 70-10. Civil remedies and abatement of nuisance.**



If any person violates any provision of this chapter, the county attorney or other appropriate authority of the county may, in addition to criminal prosecution and other remedies, institute an action for injunction, mandamus or other appropriate action or proceeding to prevent such unlawful act or to correct or abate such violation.

(Code 1979, § 2-12.5-11)

Cross references: Nuisances, § 34-31 et seq.

**Sec. 70-11. Evidence of violation.**

- (a) Whenever litter or waste is thrown, deposited, dropped or dumped from any motor vehicle, boat, airplane or other means of conveyance in violation of this chapter, it shall be prima facie evidence that the operator of the means of conveyance has violated this chapter.
- (b) Whenever any litter or waste is dumped, deposited, dropped, thrown or left on public or private property in violation of this chapter and such litter or waste is discovered to contain any article, including, but not limited to, letters, bills, publications or other writings, which display the name of the person thereon in such a manner as to indicate that the article belongs to such person, it shall be a rebuttable presumption that such person has violated this chapter.

(Code 1979, § 2-12.5-12)

**Sec. 70-12. Recycling.**

The board of commissioners finds that it is in the best interest of the citizens of the county, in order to promote the health, safety and welfare of the citizens of the county, to recycle as many waste materials as possible in order to reduce the accumulation of litter and waste within the county and to reduce the overall solid waste materials which must be properly disposed of; therefor, it is the policy of the county to encourage recycling whenever practicable.

(Code 1979, § 2-12.5-13)

**Sec. 70-13. Violations; penalties.**

- (a) Any person who violates any portion of this chapter, and each day such violation continues shall constitute a separate offense, shall be guilty of a misdemeanor and, upon conviction thereof, shall be punished as follows:
  - (1) By penalties and costs as set forth in section 1-9;
  - (2) In addition, the violator may be ordered to perform community service for a specified number of hours which may, in the discretion of the court in which the conviction is obtained, consist of picking up and removing from any public property in the county all litter and waste located on such public property;
  - (3) In the sound discretion of the court in which conviction of a violation of this chapter is obtained, the convicted person may be ordered to pick up

and remove from any private property upon which it can be established by competent evidence that the person has deposited waste or litter, all waste and litter deposited on such private property by anyone prior to the date of execution of sentence, provided that permission of the owner of such private property is first obtained; and

- (4) The court shall order the violator of this chapter to pay all court costs for such action.
- (b) If the violation of this chapter involves the ownership, maintenance or operation of a litter or waste disposal site not permitted by this chapter or by federal or state law, rules or regulations, the property owner, user, occupant or other person responsible for the property shall cause the property to be cleaned up. The county shall not be responsible for any costs of cleanup or remediation. Use of the property for such purpose must cease until the property is brought into compliance and all necessary permits are obtained.

(Code 1979, § 2-12.5-9; Ord. No. 00-10, § 12, 10-3-2000)

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## Appendix C

### Nearby Solid Waste Facilities

#### 1. Disposal Facilities

County	Facility Name	Permit Number	Dominion	Facility Type Description	Facility Address
COLUMBIA	COLUMBIA CO-BAKER PLACE RD (SL), PH 2	036-010D(SL)	PUBLIC	Municipal Solid Waste Landfill	Baker Place rd 8 mi se
COLUMBIA	COLUMBIA CO-SAMPLE & SON (C AND D)	036-017D(C&D)	Private Commercial	Construction and Demolition Landfill	SR 232 3 miles east of SR 47
RICHMOND	US ARMY-FT GORDON GIBSON RD PH 1-3 (SL)	121-014D(SL)	PUBLIC	Construction and Demolition Landfill	FT Gordon, 3 mi se
RICHMOND	RICHMOND CO-DEANS BRIDGE RD PH 2C (SL)	121-016D(SL)	PUBLIC	Municipal Solid Waste Landfill	w of dean bridge rd
BURKE	BURKE CO-CLARKE RD (SL)	017-002D(SL)	PUBLIC	Construction and Demolition Landfill	4 mi se Waynesboro

#### 2. Transfer Stations

County	Facility Name	Permit Number	Facility Type Description	Facility Address	City
MCDUFFIE	CITY OF THOMSON TRANSFER STATION	PBR-097-04TS	Transfer Station	HWY 278	THOMSON
MCDUFFIE	GEORGIA DISPOSAL AND RECYCLING, INC. TRANSFER STATION	PBR-097-06TS	Transfer Station	148 INDUSTRIAL RD. N.E.	THOMSON
MCDUFFIE	MC TRAN. STATION	PBR-097-08TS	Transfer Station	MESENA ROAD	THOMSON

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County	Facility Name	Permit Number	Facility Type Description	Facility Address	City
BURKE	SUNBELT MEDICAL SERVICES, IN C. TRANSFER STATION	PBR-017-03TS	Transfer Station	P.O. BOX 215, 615 VESTAL ROAD	SARDIS
BURKE	BURKE COUNTY	PBR-017-05TS	Transfer Station	602 LIBERTY STREET, P.O. BOX 89	WAYNESBORO
RICHMOND	ARROW GARBAGE SERVICE, TRANSFER	PBR-121-008TS	Transfer Station	FRONAGE ROAD	AUGUSTA
RICHMOND	WASTE MGT. OF NO. AUGUSTA-AIKEN TRANSFER STATION	PBR-121-016TS	Transfer Station	GOSHEN INDUSTRIAL BOULEVARD	AUGUSTA
RICHMOND	SAFETY DISPOSAL SYSTEMS OF GEORGIA, IN C.	PBR-121-019TS	Transfer Station	3105 I-1 SPRING GROVE DRIVE	AUGUSTA
RICHMOND	WASTE MANAGEMENT OF AUGUSTA TRANSFER STATION	PBR-121-137TS	Transfer Station	3946 GOSHEN INDUSTRIAL BOULEVARD	AUGUSTA
WILKES	WILKES COUNTY CR40 MSWL TRANSFER STATION	PBR-157-02TS	Transfer Station	150 LANDFILL ROAD	WASHINGTON

**3. Inert Landfills**

County	Facility Name	Permit Number	Facility Type Description	Facility Address	City
BURKE	BURKE COUNTY INERT LANDFILL	PBR-017-01IL	Inert Landfill	CLARKE ROAD	WAYNESBORO
BURKE	DNR WILDLIFE RESOURCE DIV. GAME MGT INERT	PBR-017-04IL	Inert Landfill	DI-LANE PLANTATION	WAYNESBORO

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County	Facility Name	Permit Number	Facility Type Description	Facility Address	City
COLUMBIA	SAMPLE & SON, INC.-SR232 INERT LF	PBR-036-01IL	Inert Landfill	COLUMBIA RD SR 232 25 MILES EAST OF US-221 SR 47	APPLING
COLUMBIA	STEVE DUFFIE-HEREFORD RD. INERT LF	PBR-036-02IL	Inert Landfill	HEREFORD ROAD	EVANS
COLUMBIA	GUS DUNN	PBR-036-03IL	Inert Landfill	WASHINGTON ROAD	APPLING
COLUMBIA	CITY OF HARLEM INERT LANDFILL	PBR-036-05IL	Inert Landfill	LAMPKIN ROAD	HARLEM
COLUMBIA	HERSCHEL MORRIS INERT LANDFILL	PBR-036-06IL	Inert Landfill	MORRIS ROAD	GROVETOWN
COLUMBIA	COLUMBIA CO. ROADS AND BRIDGES INERT LANDFILL	PBR-036-08IL	Inert Landfill	LEWISTON ROAD AND I-20	APPLING
COLUMBIA	CITY OF GROVETOWN INERT LANDFILL	PBR-036-08IL-A	Inert Landfill	NEWMANTOWN ROAD	GROVETOWN
COLUMBIA	TONY MUNDY INERT LANDFILL	PBR-036-09IL	Inert Landfill	729 BYRD DRIVE	HARLEM
COLUMBIA	COLUMBIA COUNTY ROADS AND BRIDGES INERT LANDFILL	PBR-036-12IL	Inert Landfill	NORTH SIDE OF COLLINS DRIVE	EVANS
MCDUFFIE	INTERSTATE EQUIP.CO., INC.-INERT LF	PBR-097-01IL	Inert Landfill		THOMSON
MCDUFFIE	MCDUFFIE COUNTY INERT LANDFILL	PBR-097-07IL	Inert Landfill	MESENA ROAD	THOMSON
MCDUFFIE	TD JR. INERT LANDFILL	PBR-097-09IL	Inert Landfill	I-20 AND SR17	THOMSON

**APPENDIX**

<b>County</b>	<b>Facility Name</b>	<b>Permit Number</b>	<b>Facility Type Description</b>	<b>Facility Address</b>	<b>City</b>
MCDUFFIE	MCDUFFIE COUNTY BOARD OF COMMISSIONERS INERT LANDFILL	PBR-097-101L	Inert Landfill	MESENA ROAD	THOMSON
MCDUFFIE	CSR/KNOX-RIVERS CONSTRUCTION COMPANY	PBR-097-111L	Inert Landfill	WRIGHT SBORO ROAD & CR 21	THOMSON

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## Appendix E

## Local Contacts for Solid Waste Education &amp; Public Involvement

## Columbia County

*American Ex-Prisoners of War Greater  
Augusta Chapter*  
3480 Evans-to-Locks Rd.  
Martinez, GA 30907

*American Legion Post 192*  
No. 1 Legion Road  
Evans, GA 30809

*American Legion Post 235*  
3466 Rhodes Hill  
Martinez, GA 30907

*Armed Forces Communications &  
Electronics Association*  
4570 Dewey Dr.  
Martinez, GA 30907

*Augusta Cave Masters*  
4784 Silver Lake Dr.  
Evans, GA 30809-5404

*Augusta Coin Club*  
P.O. Box 2084  
Evans, GA 30809

*Augusta Jewish Community Center*  
898 Weinberger Way  
Evans, GA 30809

*Builders Association of Metro Augusta*  
3732 Executive Center Drive  
Martinez, GA 30907

*Columbia County 4-H Club*  
3300B Evans-To-Locks Road  
Martinez, GA 30907-4903

*Columbia County Arts Council*  
P.O. Box 2025  
Evans, GA 30809-2025

*Columbia County Chamber of  
Commerce*  
4424 Evans To Locks Road  
Evans, GA 30809

*Columbia County Choral Society*  
2448 Apricot Lane  
Augusta, GA 30904

*Columbia County Humane Society*  
P.O. Box 204771  
Martinez, GA 30917

*Daughters of American Colonialists  
George Walton Chapter*  
3351 Sugar Mill Rd.  
Martinez, GA 30907

*Daughters of the American Revolution*  
3542 Camoustie Drive  
Martinez, GA 30907

*Exchange Club of Columbia County*  
Bryan Evans  
P.O. Box 204147  
Martinez, GA 30907-4147

*Friends of Columbia County Library*  
326 N. Belair Rd.  
Evans, GA 30909

*Harlem Woman's Club*  
160 W. Trippe St.

Harlem, GA 30814

*Indo American Cultural Association*  
119 Sigman Place  
Martinez, GA 30907

*International Military History Foundation*  
5037 Autumn Trail  
Grovetown, GA 30813

*Islamic Society of Augusta*  
3416 Middleton Drive  
Martinez, GA 30907

*Italian American Club of the CSRA*  
4291 Deerwood Lane  
Evans, GA 30809

*Merchants Association of Columbia County*  
P.O. Box 204455  
Martinez, GA 30907

*Mother Against Drunk Driving Richmond & Columbia Co. Chapter*  
3857 Rose Lane, Box 1-E  
Martinez, GA 30907

*National Railway Historical Society*  
116 Maple Drive  
Martinez, GA 30907

*Optimist Club of Martinez-Evans*  
4159 Wheeler Rd. Suite F  
Martinez, GA 30907

*Rotary Club, Columbia County West*  
P.O. Box 1268  
Harlem, GA 30814-1268

*Scottish-American Heritage Society of Augusta*  
4665 Eisenview Drive  
Grovetown, GA 30813

*Sierra Club Savannah River Group*  
4387 Roewell Dr.  
Martinez, GA 30907

*Sons of Confederate Veterans*  
470 Rachel Drive  
Evans, GA 30809

*Turkish American Society of Augusta & Aiken*  
455 Cambridge Way  
Martinez, GA 30907

**Greater Augusta Area**

*African American Association of Augusta*  
1049 Woodedge Drive, Apt C  
Augusta, GA 30904

*Alliance for a Better Earth*  
2436 Camelot Drive  
Augusta, GA 30904

*American Association of Retired Persons*  
3352 Ravenswood Dr.  
Augusta, GA 30907

*American Association of Retired Persons*  
Augusta Chapter 266  
535 15th St.  
Augusta, GA 30901



*American Business Women's Association*  
2545 Smoketree Rd.  
Augusta, GA 30906

*American Heart Association*  
246 Davis Road, Suite E  
Augusta, GA 30907-2409

*American Institute of Architects*  
4220 Spruce Lane  
Augusta, GA 30907

*American Legion Post 63*  
90 Milledge Road  
Augusta, GA 30904-4342

*American Legion Post 178*  
3219 Richmond Hill Road  
Augusta, GA 30906-4713

*American Legion Post 205*  
2102 Highland Ave.  
Augusta, GA 30904

*American Legion Post 505*  
1678 15th St.  
Augusta, GA 30901

*American Lung Association*  
2050 Walton Way Suite 208  
Augusta, GA 30904

*American Red Cross*  
1322 Ellis Street  
Augusta, GA 30901

*Amnesty International*  
2948 Foxhall Circle  
Augusta, GA 30907-3547

*Asociacion Cultural Hispanoamericana*  
P.O. 3203  
Augusta, GA 30914

*Augusta Advertising Federation*  
109 Eighth St.  
Augusta, GA 30901

*Augusta Animal Rescue Friends*  
P.O. Box 6824  
Augusta, GA 30916

*Augusta Area Cultural Society*  
2752 Spirit Creek Rd.  
Hephzibah, GA 30815

*Augusta Bar Association*  
945 Broad St.  
Augusta, GA 30901

*Augusta Builder's Exchange*  
P.O. Box 518  
Augusta, GA 30903-0518

*Augusta Chorale*  
2244 Broad St., Apt 308  
Augusta, GA 30904

*Augusta Choral Society*  
P.O. Box 1402  
Augusta, GA 30903-1402

*Authors Club of Augusta*  
1427 Anthony Rd.  
Augusta, GA 30904

*Augusta Community Improvement Association*  
2007 Steiner Ave  
Augusta, GA 30901

*Augusta Council of Garden Clubs*  
605 Stratford Dr.  
Augusta, GA 30909

*Augusta Dive Club*  
2708 F Woodcrest Dr.  
Augusta, GA 30909

APPENDIX

*Augusta Fencers Club*  
134 Ninth Street  
Augusta, GA 30901

*Augusta Golf Association*  
1500 Comfort Road  
Augusta, GA 30909

*Augusta Humane Society*  
P.O. Box 12035  
Augusta, GA 30914-2035

*Augusta International Dance Club*  
724 Somerset Way  
Augusta, GA 30909

*Augusta Metro Chamber of Commerce*  
600 Broad Street Plaza  
Augusta, GA 30903

*Augusta Mini Theatre Inc*  
430 Eighth Street Augusta, GA  
30901-2249

*Augusta Opera Association*  
P.O. Box 240  
Augusta, GA 30903

*Augusta Players*  
P.O. Box 2352  
Augusta, GA 30903-2352

*Augusta Tomorrow*  
1450 Greene Street, Ste 85  
Augusta, GA 30901-5226

*Augusta Riding Center*  
1403 Flowing Wells Road  
Augusta, GA 30909

*Augusta Shrine Club*  
1826 Phinizy Road  
Augusta, GA 30906

*Augusta State University*  
2500 Walton Way  
Augusta, GA 30904

*Augusta Striders*  
P.O. Box 3154.  
Augusta, GA 30914

*Augusta Symphony*  
P.O. Box 579  
Augusta, GA 30903-0579

*Augusta Technical College*  
Augusta Campus  
3200 Augusta Tech Drive

*Augusta Training Shop for the  
Handicapped*  
3118 Lake Forest Drive  
Augusta, GA 30909

*Augusta Tomorrow Inc.*  
801 Broad Street  
Augusta, GA 30901

*Augusta Woman's Club*  
3151 Lakefront Dr #81  
Augusta, GA 30909

*Better Business Bureau*  
P.O. Box 2085, 301 7th Street  
Augusta, GA 30901-2085

*Boys & Girls Club of Augusta*  
1903 Division Street  
Augusta, GA 30904

*Boy Scouts of America*  
1804 Gordon Highway  
Augusta, GA 30904

*Carpenters AFL-CIO, LU 283*  
1225 Gordon Park Road  
Augusta, GA 30901

*Catholic Social Services*  
811 12th Street  
Augusta, GA 30901-2749

*Chinese Consolidated Benevolent Association*  
548 Walker Street  
Augusta, GA 30901

*Communities in Schools of Augusta-Richmond County*  
P.O. Box 1604, 1132 Druid Park  
Augusta, GA 30904

*Convention & Visitor's Bureau of Metro Augusta*  
1450 Greene Street, Suite  
110 Augusta, GA 30901

*Country Hills Garden Club*  
827 Milledge Road, Apt D-1  
Augusta, GA 30904

*CSRA Home Education Association*  
P.O. Box 204568  
Augusta, GA 30917

*CSRA African American Association*  
P.O. Box 8077  
Fort Gordon, GA 30905

*CSRA Business League*  
1208 Laney Walker Drive  
Augusta, GA 30901

*CSRA Flyers*  
3401 Santa Maria Court  
Augusta, GA 30906-4850

*CSRA Foster Parent Association*  
P.O. Box 6292  
Augusta, GA 30906

*CSRA Humane Society*  
P.O. Box 14667  
425 Wood Street  
Augusta, GA 30919

*CSRA Mustang Club*  
P.O. Box 211728  
Augusta, GA 30917

*Daughters of the American Revolution*  
3029 Pine Needle Road  
Augusta, GA 30909-3047

*Daylily Society of Greater Augusta*  
4H Scott's Way  
Augusta, GA 30909

*Delta Sigma Theta Sorority*  
2413 Windsor Spring Road  
Augusta, GA 30906

*Doctors Speakers Bureau*  
P.O. Box 212653  
Augusta, GA 30907

*Downtown Development Authority*  
111 10th St.  
Augusta, GA 30901

*Exchange Club of Augusta*  
P.O. Box 3884  
Augusta, GA 30914

*Experimental Aircraft Association*  
4511 Boulineau Rd.  
Blythe, Ga 30805

*Figure Skating Club of Augusta*  
501 Milledge Rd., # 15 D  
Augusta, GA 30904

*Flower Study Club*  
242 Watervale Road  
Augusta, GA 30907

*Fort Gordon Music & Theatre*  
Ft Gordon Performing Arts Center  
Box 7447  
Ft. Gordon, GA 30905

*Friends of the Augusta Library*  
Augusta Public Library  
902 Greene Street  
Augusta, GA 30901

*Georgia Public Radio*  
2500 Walton Way  
Augusta, GA 30904-2200

*Girls Inc of the CSRA*  
1919 Watkins Street  
Augusta, GA 30904

*Greater Augusta Arts Council*  
P.O. Box 1776  
Augusta, GA 30903

*Habitat for Humanity CSRA*  
P.O. Box 657  
Augusta, GA 30903

*Hephzibah Community Association*  
P.O. Box 85  
Hephzibah, GA 30815

*Historic Augusta*  
P.O. Box 37  
Augusta, GA 30903

*Interfaith Alliance*  
3501 Walton Way Ext.  
Augusta, GA 30909

*Iris Garden Club*  
P.O. Box 192  
Hephzibah, GA 30815

*Interracial Family Alliance of Augusta*  
P.O. Box 9117  
Augusta, GA 30916-9117

*Kiwanis of Uptown Augusta*  
2825 Washington Rd., Suite H  
Augusta, GA 30909

*Kiwanis Club of Augusta*  
945 Broad St., Suite 220  
Augusta, GA 30901

*League of Women Voters*  
PO. Box 3373  
Augusta, GA 30914-3373

*Lions Club*  
P.O. Box 1049  
Hephzibah, GA 30815

*Lions Club of Augusta*  
1119 Russell St.  
Augusta, GA 30904

*Main Street Augusta*  
111 10th Street  
Augusta, GA 30901

*Medical College of Georgia Faculty &  
Spouse Club*  
724 Somerset Way  
Augusta, GA 30909

*Metro Adult Literacy Council*  
1401-B Magnolia Dr.  
Augusta, GA 30909

*National Association for the  
Advancement of Colored People*  
1101 11th St.  
Augusta, GA 30901

*Neighborhood Assistance Corp of  
America*  
233 Davis Road, Suite C  
Augusta, GA 30907

*Neighborhood Improvement Project Inc.*  
2467 Golden Camp Rd.  
Augusta, GA 30906

*Optimist Club of Augusta*  
3533 Richmond Hill Rd.  
Augusta, GA 30906

*Paine College*  
1235 15<sup>th</sup> street  
Augusta, GA 30901

*Philomathic Club*  
2312 Walton Way  
Augusta, GA 30904

*Pine Needle Garden Club*  
2302 Overton Rd.  
Augusta, GA 30904

*Reserve Officers Association*  
Augusta/Fort Gordon Chapter 5,  
505 Winchester Dr.  
Augusta, GA 30909

*Richmond Foster Parent Association*  
3406 Richmond Hill Road  
Augusta, GA 30908

*Rotary Club of Augusta*  
P.O. Box 463  
Augusta, GA 30903

*Southeastern Firefighters Burn  
Foundation*  
3614 J. Dewey Gray Circle, Bdg. C  
Augusta, GA 30909

*Sons of the American Revolution*  
309 Scotts Way  
Augusta, GA 30909-3132

*Southeastern Natural Sciences Academy*  
540B Telfair Street  
Augusta, GA 30901-2310

*Town and Country Garden Club*  
959 Heard Avenue  
Augusta, GA 30904

*United Way of the CSRA*  
630 Ellis Street, P.O. Box 1724  
Augusta, GA 30903

*Value Teachers*  
2220 Central Ave.  
Augusta, GA 30904

*Vietnamese Cultural Society*  
232 East Vineland Road  
Augusta, GA 30904

*Volunteer Board of University Hospital*  
University Hospital  
1350 Walton Way  
Augusta, GA 30901

## Appendix F

### Solid Waste Short Term Work Program Report of Accomplishments, 2003-2006

Amount of Waste	Accomplished	Comment
A. Operate computer scales and report systems at Baker Place Road Landfill	Yes	
B. Develop waste characterization codes to identify waste composition	Yes	
C. Complete an update of the 1992 waste stream analysis	Yes	
D. Require private waste collection contractor to provide periodic tonnage reports for residential and commercial pick-up	Yes	
E. Maintain tonnage reports on disposal at Baker Place Road Landfill by city vehicles	Yes	
F. Maintain tonnage records on use of city inert landfill	Yes	
G. Track tonnage growth	Yes	

Collection	Accomplished	Comment
A. Provide resident hauler waste drop-off at Baker Place Road Landfill	Yes	
B. Expand resident waste drop-off site at landfill	No	Policy change
C. Continue open market waste collection in unincorporated area of Columbia County by private service providers	Yes	
D. Review use of franchise areas/contract collection by private service provider options for unincorporated waste collection	Yes	
E. Review county operated waste collection in unincorporated area	Yes	
F. Continue curbside & commercial waste collection by contract with private service provider	Yes	
G. Review options with Columbia County Government for collection if available and economically competitive in market place	Yes	
H. City government collection vehicle & equipment replacement:		
1. Flatbed Truck	Yes	
2. Single axel dump truck	Yes	
3. Pickup Truck	No	Lack of Funding

**APPENDIX**

<b>Collection</b>	<b>Accomplished</b>	<b>Comment</b>
4. Wood Chipper	Yes	
5. Leaf Vacuum	No	Lack of Funding
6. Aluminum Can Bailer	Yes	
7. Fork Lift	Yes	
8. Recycle Bins	Yes	

<b>Waste Reduction</b>	<b>Accomplished</b>	<b>Comment</b>
A. Continue the Solid Waste Management Authority (SWMA)	Yes	
B. Conduct annual review of the Long Range Reduction Plan	Yes	
C. Baker Place Road L/F permit modification to provide approximately 15 acres for operation of waste recovery/processing facility	No	Policy change
D. Operate a waste recovery/processing area at Baker Place Road L/F	No	Policy change
E. Contract w/Metro Augusta Clean & Beautiful to help develop short and long term waste reduction programs for County and Cities	No	Organization disbanded
F. Review and implement approved Metro Augusta Clean and Beautiful waste reduction plan for integration with SWMA plan	No	Organization disbanded
G. Baker Place Road L/F use waste codes to identify recoverable material for discount cost to process (20 of the existing 38 waste codes identify recovered material)	Yes	
H. Participate in Waste Recovery/Recycling Training	Yes	
I. Work with CSRA RDC to identify and develop regional markets for recyclables	Yes	
J. Continue mulching of yard waste for citizens/public uses	Yes	
K. Continue curbside pick up of recyclables by private service provider contract	Yes	
L. Continue City curbside recycling	Yes	
M. Continue to monitor recyclables collection volume and type for planning	Yes	
N. Monitor effectiveness of waste reduction/recycling programs for integrating & combining services	Yes	



**APPENDIX**

<b>Disposal</b>	<b>Accomplished</b>	<b>Comment</b>
A. Continue operation of Baker Place Road L/F as a MSW Disposal Facility	Yes	
B. Develop options for increasing capacity of Baker Place Road L/F		
1. Converting L/F to aerobic versus anaerobic operation	No	Unsure technology
2. Existing lined waste footprint vertically	Yes	
3. Continue to monitor new technology for application	Yes	
C. Continue to review operation of Baker Place Road L/F for private public operation or sale for potential improvement in environmental protection & service economy	Yes	
D. Continue to monitor operation & waste volume market share of existing private operated inert L/fills	Yes	
E. Monitor operation & market share of construction & demolition L/fill	Yes	
F. Continue City operation of inert L/fills	Yes	
G. Continue use of Baker Place Road L/F for MSW disposal as long as economically competitive in market place	Yes	
H. Continue operation of Baker Place Road L/F as a regional solid waste management facility	Yes	

<b>Land Limitation</b>	<b>Accomplished</b>	<b>Comment</b>
A. Continue use of "Siting Criteria Maps" in review & planning for future solid waste management facilities	Yes	
B. Continue use of City/County zoning regulations in locating solid waste management facilities	Yes	
C. Review City/County ordinances for amendments due to land use changes and waste reduction/recycling programs implementation	Yes	

<b>Education &amp; Public Involvement</b>	<b>Accomplished</b>	<b>Comment</b>
A. Continue publication of City/County full cost accounting of solid waste management services	Yes	
B. Provide fact sheets on City/County solid waste services at Government offices and news letters w/SWM information	Yes	
C. Continue to monitor contract w/Metro Augusta Clean & Beautiful for development of education & public involvement programs	No	Organization disbanded

Education & Public Involvement	Accomplished	Comment
D. Continue to host annual teacher workshop on conservation at Baker Place Road L/F	No	Organization disbanded
E. Press release on all SWMA & Committee (Finance & Planning) Meetings	Yes	
F. Continue use of "Waste In Place" & "Waste A Hidden Resource" (America Clean & Beautiful) as a curriculum resource w/the Columbia County Board of Education	Yes	
G. Provide articles on SWM issues in the Metro Augusta Builders Newsletter	Yes	
H. Provide handouts & notice on weight ticket on county ordinance requiring covered loads at Baker Place Road L/F	Yes	

DRAFT



**Notice of Local Plan Submittal  
And Hearing/Comment Opportunity**

**Date of Submittal: December 12, 2005**

---

**Submitting Local Government (s):**

**Columbia County  
P.O. Box 48  
Evans, GA 30809**

**City of Grovetown  
P.O. Box 120  
Grovetown, GA 30813**

**City of Harlem  
P.O. Box 99  
Harlem, GA 30814**

---

**Contact: Jim Leiper, P.E., 630 Ronald Reagan Drive, Building A, Evans, GA 30809**

- 
- New Plan**  
 **Plan Amendment**  
 **Plan Update**  
 **Short Term Work Program Update**  
 **Solid Waste Management STWP**

---

**Public Hearing Date and Time: Not Applicable**

**Location: Not Applicable**

**Description of General Nature of Plan:**

In Accordance with Georgia's Minimum Planning Standards and Procedures for Solid Waste Management established for the implementation of the Georgia Comprehensive Solid Waste Management Act of 1990, O.C.G.A Section 12-8-20, Columbia County and the Cities of Grovetown and Harlem have prepared and submitted to the CSRA Regional Development Center for review the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan Update. The Solid Waste Management Plan Update includes the elements of: Waste Disposal Stream Analysis, Waste Reduction, Collection, Disposal, Land Limitation, Education & Public Involvement, and Implementation.

Notification of the Submittal and Opportunity to Comment on the Solid Waste Management Plan Update is being sent to the following potentially affected local governments and organizations: Columbia County, Lincoln County, McDuffie County, Richmond County, City of Grovetown, City of Harlem, Coastal Georgia RDC, Heart of Georgia-Altamaha RDC, Middle Georgia RDC, Northeast RDC, Georgia Department of Community Affairs, Georgia Department of Natural Resources (Environmental Protection Division), Georgia Environmental Facilities Authority, and Pollution Assistance Division.

**Reviewing Regional Development Center: Central Savannah River Area**

**Contact Person: Costa Pappis, Phone (706) 210-2000, email: cpappis@csrardc.org  
Address: 3023 Riverwatch Parkway, Suite A, Augusta, GA 30907**

**RESOLUTION NO. 05-526R**

**RESOLUTION OF THE BOARD OF COMMISSIONERS  
OF COLUMBIA COUNTY, GEORGIA TO TRANSIT THE SOLID WASTE  
MANAGEMENT PLAN UPDATE TO THE GEORGIA DEPARTMENT  
OF COMMUNITY AFFAIRS FOR REVIEW**

WHEREAS, the Minimum Planning Standards for Solid Waste Management Plans requires that the community's Solid Waste Management Plan be updated every 10 years; and

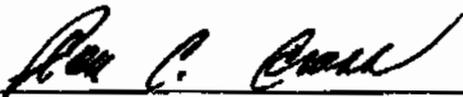
WHEREAS, the community is required to transmit a copy of the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan to the Central Savannah River Area Regional Development Center upon its completion for review; and

WHEREAS, the community met the requirements for holding two public hearings related to the development of the Solid Waste Management Plan 10-Year Update, with the first hearing being held on September 26, 2005 and the second hearing on November 22, 2005; and

WHEREAS, the Columbia County Board of Commissioners certifies that the minimum public hearing requirements as required by the Georgia Department of Community Affairs Minimum Planning Standards and Procedures have been met.

BE IT THEREFORE RESOLVED, that the Chairman and the Board of Commissioners of Columbia County do hereby transmit the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update to the Central Savannah River Area Regional Development Center for review under the Minimum Planning Standards and Procedures for Solid Waste Management Plans.

Adopted this 6 day of December, 2005.

  
\_\_\_\_\_  
Chairman

ATTEST:   
\_\_\_\_\_

**A RESOLUTION  
CITY OF GROVETOWN**

**TRANSMITTAL OF SOLID WASTE MANAGEMENT PLAN UPDATE**

WHEREAS, the Minimum Planning Standards for Solid Waste Management Plans requires that the community's Solid Waste Management Plan be updated every 10 years; and

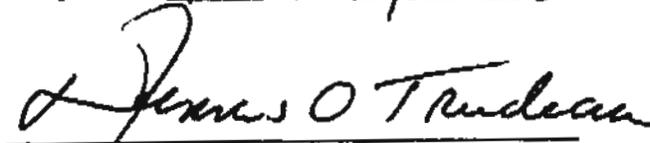
WHEREAS, the community is required to transmit a copy of the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan to the Central Savannah River Area Regional Development Center upon its completion for review; and

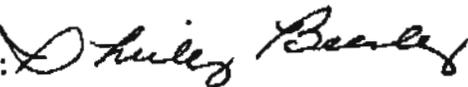
WHEREAS, the community met the requirements for holding two public hearings related to the development of the Solid Waste Management Plan 10-Year Update, with the first hearing being held on September 26, 2005 and the second hearing on November 22, 2005; and

WHEREAS, the Mayor and City Council of Grovetown certifies that the minimum public hearing requirements as required by the Georgia Department of Community Affairs Minimum Planning Standards and Procedures have been met.

BE IT THEREFORE RESOLVED, that the Mayor and City Council of Grovetown do hereby transmit the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update to the Central Savannah River Area Regional Development Center for review under the Minimum Planning Standards and Procedures for Solid Waste Management Plans.

Adopted this 12 day of November, 2005.

  
\_\_\_\_\_  
Mayor

ATTEST: 

**A RESOLUTION  
CITY OF HARLEM**

**TRANSMITTAL OF SOLID WASTE MANAGEMENT PLAN UPDATE**

WHEREAS, the Minimum Planning Standards for Solid Waste Management Plans requires that the community's Solid Waste Management Plan be updated every 10 years; and

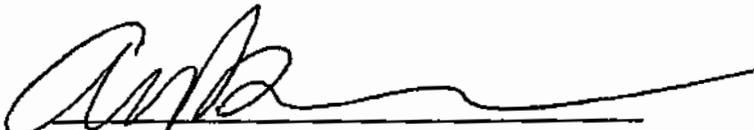
WHEREAS, the community is required to transmit a copy of the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan to the Central Savannah River Area Regional Development Center upon its completion for review; and

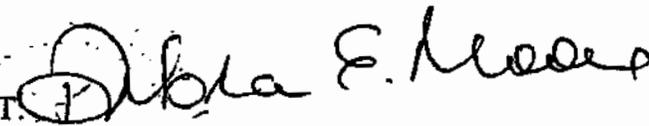
WHEREAS, the community met the requirements for holding two public hearings related to the development of the Solid Waste Management Plan 10-Year Update, with the first hearing being held on September 26, 2005 and the second hearing on November 22, 2005; and

WHEREAS, the Mayor and City Council of Harlem certifies that the minimum public hearing requirements as required by the Georgia Department of Community Affairs Minimum Planning Standards and Procedures have been met.

BE IT THEREFORE RESOLVED, that the Mayor and City Council of Harlem do hereby transmit the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update to the Central Savannah River Area Regional Development Center for review under the Minimum Planning Standards and Procedures for Solid Waste Management Plans.

Adopted this 12<sup>th</sup> day of December, 2005.

  
\_\_\_\_\_  
Mayor

ATTEST: 





**CENTRAL SAVANNAH RIVER AREA  
REGIONAL DEVELOPMENT CENTER**

3023 River Watch Parkway, Suite A  
Augusta, GA 30907-2016  
(706) 210-2000 • FAX (706) 210-2006  
www.csrardc.org



Answers.Action.Advocacy



*Counties Served:*

December 13, 2005

Burke

Mary Harrington  
State Solid Waste Program Coordinator  
Department of Community Affairs  
Office of Planning and Quality Growth  
60 Executive Park South, N.E.  
Atlanta, Georgia 30329-2231

Columbia

Glascok

**Subject: Joint Columbia County Solid Waste Management Plan Update**

Hancock

Dear Ms. Harrington:

Jefferson

Please find enclosed for your review the draft Joint Columbia County Solid Waste Management Plan update. Also enclosed is a copy of the formal Notification of Local Plan Submittal and Regional Review Hearing/Comment Opportunity form sent to local governments, RDCs, and state agencies, and copies of transmittal resolutions.

Jenkins

Lincoln

If you have any questions, please do not hesitate to contact me at (706) 210-2000

McDuffie

Sincerely,

Richmond

Costa Pappis, AICP  
Senior Planner

Taliaferro

Enclosure

Warren

Washington

Wilkes



For information on the Area Agency on Aging (AAA), a division of the CSRA Regional Development Center, call (706) 210-2018 or toll free (and TDD) 1-888-922-4464. Your "one call connection" for finding resources to help seniors. The CSRA Regional Development Center is an Equal Opportunity Employer and Provider.



**CENTRAL SAVANNAH RIVER AREA  
REGIONAL DEVELOPMENT CENTER**

3023 River Watch Parkway, Suite A  
Augusta, GA 30907-2016  
(706) 210-2000 • FAX (706) 210-2006  
www.csrardc.org



Counties Served:

December 12, 2005

Burke

**MEMORANDUM**

Columbia

**To:** Potentially Interested or Affected Local Governments, State and Federal Agencies, Regional Development Centers, and Local Authorities

Glascok

**From:** CSRA Regional Development Center

Hancock

**Subject:** Joint Columbia County/City of Grovetown/City of Harlem Solid Waste Management Plan Update Submitted Under the Georgia Comprehensive Solid Waste Management Act of 1990.

Jefferson

Jenkins

Columbia County and the Cities of Grovetown and Harlem have submitted a Solid Waste Management Plan Update for formal review and comment under the Georgia Comprehensive Solid Waste Management Act of 1990. The formal Notification of Local Plan Submittal and Regional Review Hearing/Comment Opportunity form is attached. Local governments will find two copies of the notification forms attached. One copy should be posted on your government's official notice board in conformity with required procedures; the other copy is your official notice of local plan update review.

Lincoln

McDuffie

Richmond

Copies of the draft plan update are available for viewing at:

[http://www.csrardc.org/csra/planning\\_columbiaco\\_swmp.htm](http://www.csrardc.org/csra/planning_columbiaco_swmp.htm)

Taliaferro

Comments from interested and affected parties will be accepted through January 6, 2006. A regional review public hearing is not being held.

Warren

For more information, please contact Costa Pappis at (706) 210-2000

Washington

Enclosure

Wilkes





**CENTRAL SAVANNAH RIVER AREA  
REGIONAL DEVELOPMENT CENTER**

3023 River Watch Parkway, Suite A  
Augusta, GA 30907-2016  
(706) 210-2000 • FAX (706) 210-2006  
www.csrardc.org



Answers>Action:Advocacy



Counties Served:

December 12, 2005

Burke

**MEMORANDUM**

Columbia

**To:** Potentially Interested or Affected Local Governments, State and Federal Agencies, Regional Development Centers, and Local Authorities

Glascok

**From:** CSRA Regional Development Center

Hancock

**Subject:** Joint Columbia County/City of Grovetown/City of Harlem Solid Waste Management Plan Update Submitted Under the Georgia Comprehensive Solid Waste Management Act of 1990.

Jefferson

Columbia County and the Cities of Grovetown and Harlem have submitted a Solid Waste Management Plan Update for formal review and comment under the Georgia Comprehensive Solid Waste Management Act of 1990. The formal Notification of Local Plan Submittal and Regional Review Hearing/Comment Opportunity form is attached. Local governments will find two copies of the notification forms attached. One copy should be posted on your government's official notice board in conformity with required procedures; the other copy is your official notice of local plan update review.

Jenkins

Lincoln

McDuffie

Richmond

Copies of the draft plan update are available for viewing at:

[http://www.csrardc.org/csra/planning\\_columbiaco\\_swmp.htm](http://www.csrardc.org/csra/planning_columbiaco_swmp.htm)

Taliaferro

Comments from interested and affected parties will be accepted through January 6, 2006. A regional review public hearing is not being held.

Warren

For more information, please contact Costa Pappis at (706) 210-2000

Washington

Enclosure

Wilkes



For information on the Area Agency on Aging (AAA), a division of the CSRA Regional Development Center, call (706) 210-2018 or toll free (and TDD) 1-888-922-4464. Your "one call connection" for finding resources to help seniors. The CSRA Regional Development Center is an Equal Opportunity Employer and Provider.

**Notice of Local Plan Submittal  
And Hearing/Comment Opportunity**

**Date of Submittal: December 12, 2005**

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**Submitting Local Government (s):**

**Columbia County  
P.O. Box 48  
Evans, GA 30809**

**City of Grovetown  
P.O. Box 120  
Grovetown, GA 30813**

**City of Harlem  
P.O. Box 99  
Harlem, GA 30814**

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**Contact: Jim Leiper, P.E., 630 Ronald Reagan Drive, Building A, Evans, GA 30809**

- 
- New Plan**  
 **Plan Amendment**  
 **Plan Update**  
 **Short Term Work Program Update**  
 **Solid Waste Management STWP**

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**Public Hearing Date and Time: Not Applicable**

**Location: Not Applicable**

**Description of General Nature of Plan:**

In Accordance with Georgia's Minimum Planning Standards and Procedures for Solid Waste Management established for the implementation of the Georgia Comprehensive Solid Waste Management Act of 1990, O.C.G.A Section 12-8-20, Columbia County and the Cities of Grovetown and Harlem have prepared and submitted to the CSRA Regional Development Center for review the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan Update. The Solid Waste Management Plan Update includes the elements of: Waste Disposal Stream Analysis, Waste Reduction, Collection, Disposal, Land Limitation, Education & Public Involvement, and Implementation.

Notification of the Submittal and Opportunity to Comment on the Solid Waste Management Plan Update is being sent to the following potentially affected local governments and organizations: Columbia County, Lincoln County, McDuffie County, Richmond County, City of Grovetown, City of Harlem, Coastal Georgia RDC, Heart of Georgia-Altamaha RDC, Middle Georgia RDC, Northeast RDC, Georgia Department of Community Affairs, Georgia Department of Natural Resources (Environmental Protection Division), Georgia Environmental Facilities Authority, and Pollution Assistance Division.

**Reviewing Regional Development Center: Central Savannah River Area**

**Contact Person: Costa Pappis, Phone (706) 210-2000, email: cpappis@csrardc.org  
Address: 3023 Riverwatch Parkway, Suite A, Augusta, GA 30907**



## SOLID WASTE DEPARTMENT

Mark Johnson  
Director

December 27, 2005

Don Bartles, Manager  
Solid Waste Management Department  
P.O. Box 890  
Grovetown, GA 30813

Re: Joint Columbia County, City of Harlem and Grovetown  
Solid Waste Management Plan 2006-2015  
Landfill Operator Capacity Assurance

Dear Mr. Bartles:

This letter serves as a disposal capacity assurance for waste generated by Columbia County and the Cities of Grovetown and Harlem from 2006 to 2015. The Georgia EPD permit number for this facility is 121-081D (MSWL). This assurance is based upon Columbia County and the Cities of Grovetown and Harlem disposing of approximately 1,132,000 tons of municipal solid waste at this facility over their ten year planning period. Our current capacity exceeds 54,000,000 cubic yards or approximately 40,500,000 tons of municipal solid waste.

We thank Columbia County and the Cities of Grovetown and Harlem for this business opportunity and look forward to providing environmentally sound waste disposal options.

Sincerely,

A handwritten signature in black ink that reads "Mark Johnson".

Mark Johnson, Director  
Solid Waste Department

cc: Operations File  
Kathy Pace

Solid Waste Department  
4330 Deans Bridge Road -- Blythe, GA 30805  
(706) 592-9634 -- Fax (706) 592-1658  
WWW.AUGUSTAGA.GOV



**CENTRAL SAVANNAH RIVER AREA  
REGIONAL DEVELOPMENT CENTER**

3023 River Watch Parkway, Suite A  
Augusta, GA 30907-2016  
2006 JAN 19 PM 2:00  
(706) 210-2000 • FAX (706) 210-2006  
www.csrardc.org



**Counties Served:**

January 17, 2006

Burke

James A. Leiper, P.E.  
Engineering and Environmental Division Director  
630 Ronald Reagan Drive

Columbia

Building A  
Evans, GA 30809

Glascok

Subject: Joint Columbia County Solid Waste Management Plan Update

Hancock

Dear Mr. Leiper:

Jefferson

The CSRA Regional Development Center has completed its review of the Joint Columbia County Solid Waste Management Plan Update for internal inconsistencies or conflicts with other local government plans in the region. No inconsistencies or conflicts were identified.

Jenkins

No comments were received by adjacent local governments, Regional Development Centers, or State Agencies receiving the solid waste comment form.

Lincoln

McDuffie

In 2006-2007, Augusta-Richmond County will begin the process of updating their Solid Waste Management Plan. Due to the interdependence of solid waste management issues involving both county jurisdictions, it is highly recommended that Columbia County participate in the Augusta-Richmond County plan update to ensure consistency.

Richmond

Taliaferro

If you have any questions, please do not hesitate to contact me at (706) 210-2000

Warren

Sincerely,

Washington

Costa Pappis, AICP  
Senior Planner

Wilkes

Cc: Mary Harrington, Georgia Department of Community Affairs.



**RESOLUTION 06-539R**

**A RESOLUTION OF THE  
COLUMBIA COUNTY BOARD OF COMMISSIONERS OF COLUMBIA COUNTY TO  
ADOPT THE JOINT COLUMBIA COUNTY, CITY OF GROVETOWN, AND CITY OF  
HARLEM SOLID WASTE MANAGEMENT PLAN 10-YEAR UPDATE**

WHEREAS, the Standards and Procedures of the Georgia Comprehensive Solid Waste Management Act, which are intended to provide a framework to facilitate and encourage integrated, comprehensive solid waste management planning at the local, multi-jurisdictional, and regional levels, have been met;

WHEREAS, the Columbia County Board of Commissioners has received a letter indicating the Georgia Department of Community Affairs has reviewed the Draft Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update and found it to be in compliance with the Minimum Planning Standards and Procedures for Solid Waste Management;

WHEREAS, the Columbia County Board of Commissioners is required to adopt the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update in order retain eligibility for solid waste permits, grants, and loans.

BE IT THEREFORE RESOLVED, that the Chairman and the Board of Commissioners of Columbia County do hereby adopt the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update.

Adopted this 21 day of February, 2006.

*[Handwritten Signature]*

Chairman



**A RESOLUTION OF THE  
GROVETOWN CITY COUNCIL**

**ADOPTION OF SOLID WASTE MANAGEMENT PLAN UPDATE**

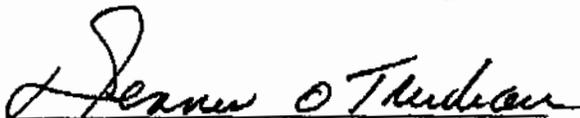
WHEREAS, the Standards and Procedures of the Georgia Comprehensive Solid Waste Management Act, which are intended to provide a framework to facilitate and encourage integrated, comprehensive solid waste management planning at the local, multi-jurisdictional, and regional levels, have been met;

WHEREAS, the Grovetown City Council has received a letter indicating the Georgia Department of Community Affairs has reviewed the Draft Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update and found it to be in compliance with the Minimum Planning Standards and Procedures for Solid Waste Management;

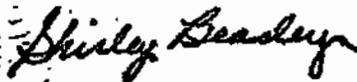
WHEREAS, the Grovetown City Council is required to adopt the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update in order retain eligibility for solid waste permits, grants, and loans.

BE IT THEREFORE RESOLVED, that the Grovetown City Council does hereby adopt the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update.

Adopted this 13<sup>th</sup> day of February, 2006.

  
Mayor

ATTEST:





**A RESOLUTION OF THE  
HARLEM CITY COUNCIL**

**ADOPTION OF SOLID WASTE MANAGEMENT PLAN UPDATE**

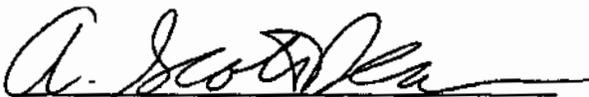
WHEREAS, the Standards and Procedures of the Georgia Comprehensive Solid Waste Management Act, which are intended to provide a framework to facilitate and encourage integrated, comprehensive solid waste management planning at the local, multi-jurisdictional, and regional levels, have been met;

WHEREAS, the Harlem City Council has received a letter indicating the Georgia Department of Community Affairs has reviewed the Draft Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update and found it to be in compliance with the Minimum Planning Standards and Procedures for Solid Waste Management;

WHEREAS, the Harlem City Council is required to adopt the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update in order retain eligibility for solid waste permits, grants, and loans.

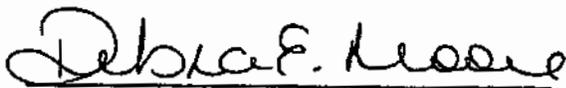
BE IT THEREFORE RESOLVED, that the Harlem City Council does hereby adopt the Joint Columbia County/Grovetown/Harlem Solid Waste Management Plan 10-Year Update.

Adopted this 13<sup>th</sup> day of Feb., 2006.



Mayor

ATTEST:



City Clerk

Copy



GEORGIA DEPARTMENT OF  
**COMMUNITY AFFAIRS**

Mike Beatty  
COMMISSIONER

Sonny Perdue  
GOVERNOR

March 1, 2006

Honorable Ron C. Cross  
Chair, Columbia County Commission  
Post Office Box 498  
Evans, Georgia 30809-0498

Dear Chairman Cross:

We have received notification that Columbia County and the cities of Grovetown and Harlem have adopted the 2006 - 2015 Solid Waste Management Plan that meets the Minimum Planning Standards and Procedures for Solid Waste Management. Accordingly, it is my pleasure to notify you that Columbia County and the cities of Grovetown and Harlem have regained eligibility for solid waste permits, grants and loans.

As you have experienced, in addition to proper and thorough long-range planning, effective solid waste management requires the ability to adapt when circumstances indicate that such action is necessary. Through continued review, and revision when necessary, solid waste planning provides your local government with more control over its destiny and assists you in dealing more effectively with both short-term and long-term management decisions.

We commend you for your hard work and dedication. If you have any questions regarding your solid waste management plan, please call Mary Harrington in our Office of Environmental Management at (404) 679-3144.

Sincerely,

Mike Beatty  
Commissioner

MB/meh

cc: Andy Crosson, Executive Director, CRSA RDC

Copy



# GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

Mike Beatty  
COMMISSIONER

Sonny Perdue  
GOVERNOR

March 1, 2006

Honorable Dennis O. Trudeau  
Mayor, City of Grovetown  
Post Office Box 120  
Grovetown, Georgia 30813-0120

Dear Mayor Trudeau:

We have received notification that Columbia County and the cities of Grovetown and Harlem have adopted the 2006 - 2015 Solid Waste Management Plan that meets the Minimum Planning Standards and Procedures for Solid Waste Management. Accordingly, it is my pleasure to notify you that Columbia County and the cities of Grovetown and Harlem have regained eligibility for solid waste permits, grants and loans.

As you have experienced, in addition to proper and thorough long-range planning, effective solid waste management requires the ability to adapt when circumstances indicate that such action is necessary. Through continued review, and revision when necessary, solid waste planning provides your local government with more control over its destiny and assists you in dealing more effectively with both short-term and long-term management decisions.

We commend you for your hard work and dedication. If you have any questions regarding your solid waste management plan, please call Mary Harrington in our Office of Environmental Management at (404) 679-3144.

Sincerely,

  
Mike Beatty  
Commissioner

MB/meh

cc: Andy Crosson, Executive Director, CRSA RDC

Copy



# GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

Mike Beatty  
COMMISSIONER

Sonny Perdue  
GOVERNOR

March 1, 2006

Honorable A. Scott Dean  
Mayor, City of Harlem  
Post Office Box 99  
Harlem, Georgia 30814-0099

Dear Mayor Dean:

We have received notification that Columbia County and the cities of Grovetown and Harlem have adopted the 2006 - 2015 Solid Waste Management Plan that meets the Minimum Planning Standards and Procedures for Solid Waste Management. Accordingly, it is my pleasure to notify you that Columbia County and the cities of Grovetown and Harlem have regained eligibility for solid waste permits, grants and loans.

As you have experienced, in addition to proper and thorough long-range planning, effective solid waste management requires the ability to adapt when circumstances indicate that such action is necessary. Through continued review, and revision when necessary, solid waste planning provides your local government with more control over its destiny and assists you in dealing more effectively with both short-term and long-term management decisions.

We commend you for your hard work and dedication. If you have any questions regarding your solid waste management plan, please call Mary Harrington in our Office of Environmental Management at (404) 679-3144.

Sincerely,

  
Mike Beatty  
Commissioner

MB/meh

cc: Andy Crosson, Executive Director, CRSA RDC