

# DOUGLAS COUNTY TEN YEAR SOLID WASTE MANAGEMENT PLAN

Prepared For:

## DOUGLAS COUNTY BOARD OF COMMISSIONERS



Prepared By:

A stylized, handwritten-style logo consisting of the letters "ACC" in a bold, cursive font.

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OCTOBER 2014

**RESOLUTION  
ADOPTING THE 2014 DOUGLAS COUNTY  
TEN YEAR SOLID WASTE MANAGEMENT PLAN**

**WHEREAS**, in 1990, the State of Georgia passed the Georgia Comprehensive Solid Waste Management act to establish a vital relationship between Solid Waste planning, reporting, and permitting: and

**WHEREAS**, the Georgia Comprehensive Solid Waste Management Act, O.C.G.A. – 12-8-20 *et seq.*, requires Counties to develop and maintain a Comprehensive Solid Waste Management Plan in order to be eligible to receive permits, grants, and loans for Solid Waste Management: and

**WHEREAS**, the plan must demonstrate the ability to adequately collect and dispose of projected Solid Waste in Douglas County for the next 10 years: how the community will work toward the goal of reducing the annual amount of Solid Waste received by 25%: identifying all Solid Waste handling facilities in the County: and identifying land areas that are unsuitable for Solid Waste disposal because of Environmental or Land Use characteristics: and

**WHEREAS**, THE Douglas County Board of Commissioners originally adopted a Douglas County Solid Waste Management Plan in 1993, which was updated in 1998: and

**WHEREAS**, Douglas County adopted an update to the Douglas County Solid Waste Management Plan to cover the period from 2004 through 2014: and

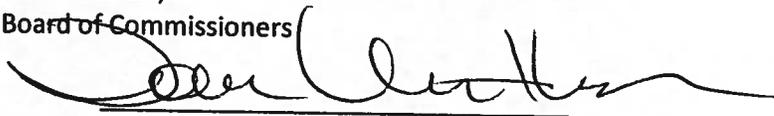
**WHEREAS**, a component of this 2014 update also requires a five (5) year update which must be approved by the Douglas County Board of Commissioners: and

**WHEREAS**, upon approval and adoption of this 2014 Ten Year Solid Waste Management Plan. Douglas County remains eligible to receive permits, grants, and loans for Solid Waste Management.

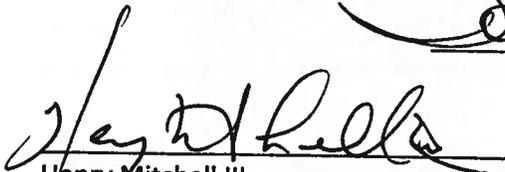
**NOW, THEREFORE**, be it resolved that the Douglas County Board of Commissioners hereby adopts the 2014 Douglas County Solid Waste Management Plan: and

Be it further resolved that Gary Jenkins, Douglas County Government Services, Assistant Director be authorized to notify the Atlanta Regional Commission and the Georgia Department of Community Affairs of the approval and adoption of the 2014 Douglas County Solid Waste Management Plan.

This 18<sup>th</sup> day of October 2014,  
Douglas County Board of Commissioners



Tom Worthan, Chairman



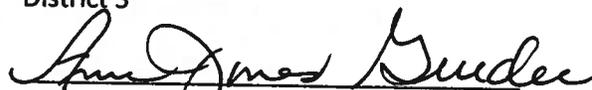
Henry Mitchell III  
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Michael Mulcare, Vice Chairman  
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## **SECTION 1 - INTRODUCTION**

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### **1.1. BACKGROUND**

In 1990, the State of Georgia passed the Georgia Comprehensive Solid Waste Management Act. It established a vital relationship between solid waste planning, reporting, and permitting. The State of Georgia felt that solid waste management planning was essential to prevent environmental degradation, manage resources, and effectively reduce and manage solid waste.

The Act requires that in order to receive a permit, grant, or loan for a solid waste management facility, an entity (i.e. city or county) must develop or be included in a comprehensive solid waste management plan. The State of Georgia feels that education and encouragement of solid waste handlers and carriers is the best way to reduce and minimize, to the greatest extent possible, the amount of solid waste currently being collected. This education may include source reduction, reuse, composting, recycling, and other applicable methods.

In 1993, Douglas County and the City of Douglasville adopted a combined Ten Year Solid Waste Management Plan (SWMP). In 2004 the SWMP was updated to cover the ten (10) year period from 2004 to 2014. In 2011 legislation significantly changed planning requirements for local government solid waste management. DCA and the Regional Commissions are no longer involved in reviewing and approving solid waste management plans. The plans are still required but can be locally developed and implemented with no third party review. Each plan must at minimum:

- provide for 10 years of collection capability and disposal capacity from the date of completion of the plan;
- enumerate the solid waste handling facilities as to size and type; and
- identify those land areas which are not suitable for solid waste handling facilities based on environmental and land use factors.

The following report focuses on the ten year period from 2015 to 2025. Please note, that in 1998, the City of Douglasville submitted revised their Solid Waste Management Plan to be inclusive of the City only. This report will therefore only cover the unincorporated areas within Douglas County.

### **1.2. COUNTY BASICS**

Douglas County is located in the northwest part of Georgia, with an approximate land area of two hundred square miles (200 SQ MI). It is surrounded by Paulding and Cobb Counties to the north, Fulton County to the east and south, and Carroll County to the west and south (please see Figure 1.2.1). The county seat is the City of Douglasville. The County is bisected east and west by Interstate 20 and U.S. Highway 78 and north and south by Georgia State Route 5.

Douglas County's strategic location as the western gateway to Atlanta and its proximity and ease of access to Hartsfield-Jackson International Airport help to make it one of the fastest

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## **SECTION 1 - INTRODUCTION**

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growing counties in the state. The U.S. Census determined that the County had a Year 2010 population of 132,403 people. The County has experienced a population growth rate of almost forty-four percent (44%) between 2000 and 2010. Douglas County is also a member of the Atlanta Regional Commission (ARC). The ARC estimates that in 2040 the population of Douglas County will be just over 256,000 people which would be almost a 100 % increase over 2010.

The County provides the following services to all unincorporated areas: emergency ambulance service, rural fire protection, planning and zoning, building code enforcement and permits, subdivision regulations, sign ordinances, animal control and animal shelter, landfill, recreational program, and 911 dispatch. In conjunction with the City of Douglasville, the County provides water and sewer service.

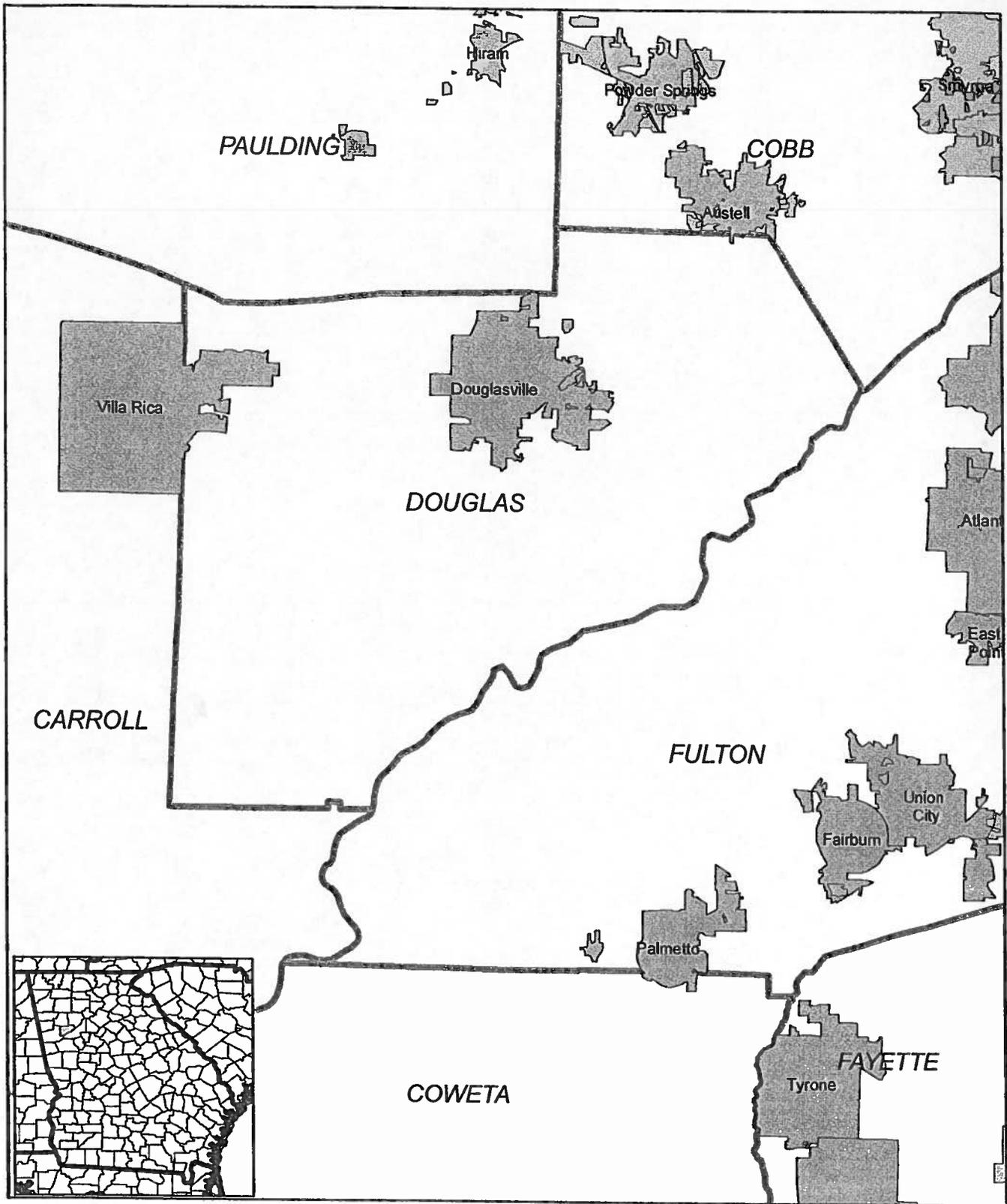
An understanding of the County's existing transportation network, development patterns, population demographic trends, and waste disposal trends are all crucial for the development of a solid waste plan. This solid waste plan update has been developed using an inventory of the following: existing waste and recycling facilities; an analysis of socio-economic data for the County; and information regarding land use, growth trends, and emerging development patterns and current waste disposal and recycling trends.

In addition to the above listed inventory of information, an assessment and analysis of the existing population, employment, and income in the County was also performed. A description of the land use types, their intensity and their location have been considered in this plan update. This assessment helps to predict future needs and trends.

### **1.3. LAND USE INVENTORY**

Land use characteristics are a primary factor in determining solid waste and recycling demand. For example, shopping centers, residential subdivisions and industrial parks generate different levels and types of waste and recyclables. The socio-economic characteristics of the people living within the County also influence waste disposal and recycling demands. Land use areas help define socio-economic boundaries. Once these boundaries are defined, an inventory of each area can be made for population, employment, and dwelling units. Land and uses of the land constitute the base scale on which all other aspects of development are founded. Land use and development patterns establish the foundation for the County's Comprehensive Plan. The integration of existing development patterns, growth trends and the analysis of land development capacity (the ability of the land resources to support development) form the basis for preparing the Future Land Use Plan. This element also determines future patterns of growth, based on community needs and desires, and presents strategies for land use that strike a balance between effective and efficient delivery of public services, protection and preservation of valuable natural and historic resources, and respect for individual property rights.

Douglas County has developed the following land uses in accordance with State DCA guidelines: Agricultural, Residential, Commercial, Office, Industrial, Transportation Communication Utilities, Public Institutional, Parks/Recreation/Conservation, Agricultural Forestry, and Undeveloped. For a detailed description/definition of each category please refer to the Douglas County Comprehensive Plan.



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Map Adapted from  
Digital Environmental Atlas of Georgia

ERSI ArcInfo Coverage:  
• County  
• Towns

FIGURE 1.2.1  
County Location Map  
Douglas County SWMP Update



## **SECTION 1 - INTRODUCTION**

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Douglas County's outlook for future land use is optimistic. They performed an intensive land demand analysis to determine the appropriate mix of residential, retail, and employment opportunities within the County. The Future Land Use Plan Map (Figure 1.3.1) reflects these realities and provides sufficient developable land for each use. Compatibility, appropriate transitional land use and quality standards will allow this to happen.

### **1.4. CONTACT INFORMATION**

Any questions or comments regarding the ten year solid waste management plan should be directed to Mr. Gary Jenkins. He can be contacted at [gjenkins@co.douglas.ga.us](mailto:gjenkins@co.douglas.ga.us). His mailing address and telephone number are the Douglas County Board of Commissioners; Cedar Mountain Landfill; 8700 Hospital Drive; Douglasville, Georgia 30139; 770-920-3133.

## **SECTION 2 - WASTE STREAM ELEMENT**

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### **2.1. QUANTIFICATION OF WASTE**

Owners of solid waste disposal facilities in Georgia are required to report to the EPD the quantities of waste they dispose of at their facilities quarterly along with the origin of the waste. Table 2.1.1 presents the quantities of MSW and C&D waste reported for the calendar years 2010, 2011, and 2012. The table also presents the population of Douglas County in 2010 as determined by the US Census. The population for years 2011 through 2012 were estimated based on projections by the US Census. During these three years Douglas County generated approximately 5.99 pounds of MSW per and 1.11 pounds of C&D waste per capita per day. These unit rates were used to generate the aforementioned table, which shows the projected amount of solid waste, in tonnage, that will be generated in the County through 2025.

### **2.2. WASTE SOURCES**

The major contributors of waste in Douglas County are the residential community, commercial centers, local industries, and public and private schools. Figure 2.2.1 illustrates the break down, by percentage, of the waste generated in Douglas County as presented in the 2004 SWMP. The percentages are Commercial - 78%, Residential - 20%, Industrial - 1%, and Schools - 1%.

### **2.3. WASTE CHARACTERIZATION**

The major break down of waste characterization is paper, plastic, glass, metal, organics, construction/demolition (C&D), and inorganics. Figure 2.3.1 depicts, by percentages, the waste characterization of Douglas County as presented in the 2004 SWMP. No further waste characterization has been done on the waste stream in Douglas county.

**SECTION 2 - WASTE STREAM ELEMENT**

**Table 2.1.1**

**Douglas County Wide Projected Waste Disposal**

| Year          | Population | MSW Waste<br>(Tons / Yr) | MSW Unit Rate<br>(# /Person/day) | C & D Waste<br>(Tons / Yr) | C & D Unit Rate<br>(# /Person/day) | Total Waste<br>(Tons / Yr) |
|---------------|------------|--------------------------|----------------------------------|----------------------------|------------------------------------|----------------------------|
| 2010          | 132,403    | 151,243                  | 6.26                             | 28,164                     | 1.17                               | 179,407                    |
| 2011          | 133,728    | 141,282                  | 5.79                             | 20,760                     | 0.85                               | 162,042                    |
| 2012          | 135,054    | 146,755                  | 5.95                             | 20,534                     | 0.83                               | 167,289                    |
| 2013          | 136,379    | 147,684                  | 5.93                             | 36,327                     | 1.46                               | 184,012                    |
| 2014          | 140,828    | 153,693                  | 5.98                             | 27,757                     | 1.08                               | 181,450                    |
| 2015          | 145,277    | 158,548                  | 5.98                             | 28,634                     | 1.08                               | 187,182                    |
| 2016          | 149,726    | 163,403                  | 5.98                             | 29,511                     | 1.08                               | 192,914                    |
| 2017          | 154,175    | 168,259                  | 5.98                             | 30,388                     | 1.08                               | 198,646                    |
| 2018          | 158,624    | 173,114                  | 5.98                             | 31,265                     | 1.08                               | 204,379                    |
| 2019          | 163,073    | 177,969                  | 5.98                             | 32,142                     | 1.08                               | 210,111                    |
| 2020          | 167,522    | 182,825                  | 5.98                             | 33,018                     | 1.08                               | 215,843                    |
| 2021          | 171,970    | 187,680                  | 5.98                             | 33,895                     | 1.08                               | 221,575                    |
| 2022          | 176,419    | 192,535                  | 5.98                             | 34,772                     | 1.08                               | 227,308                    |
| 2023          | 180,868    | 197,391                  | 5.98                             | 35,649                     | 1.08                               | 233,040                    |
| 2024          | 185,317    | 202,246                  | 5.98                             | 36,526                     | 1.08                               | 238,772                    |
| 2025          | 189,766    | 207,101                  | 5.98                             | 37,403                     | 1.08                               | 244,504                    |
| <b>TOTALS</b> |            | <b>2,751,728</b>         |                                  | <b>496,745</b>             |                                    | <b>3,248,473</b>           |

**NOTES:**

- 1) 2010 Population from Census Data
- 2) 2013 population estimated from Census Data showing 3.1% growth from 2010
- 3) 2014 -2025 population estimated from ARC projections of 2040 population of 256,000
- 4) 2010-2013 tonnage from EPD tonnage reports

Figure 2.2.1 Douglas County Waste Sources 2003

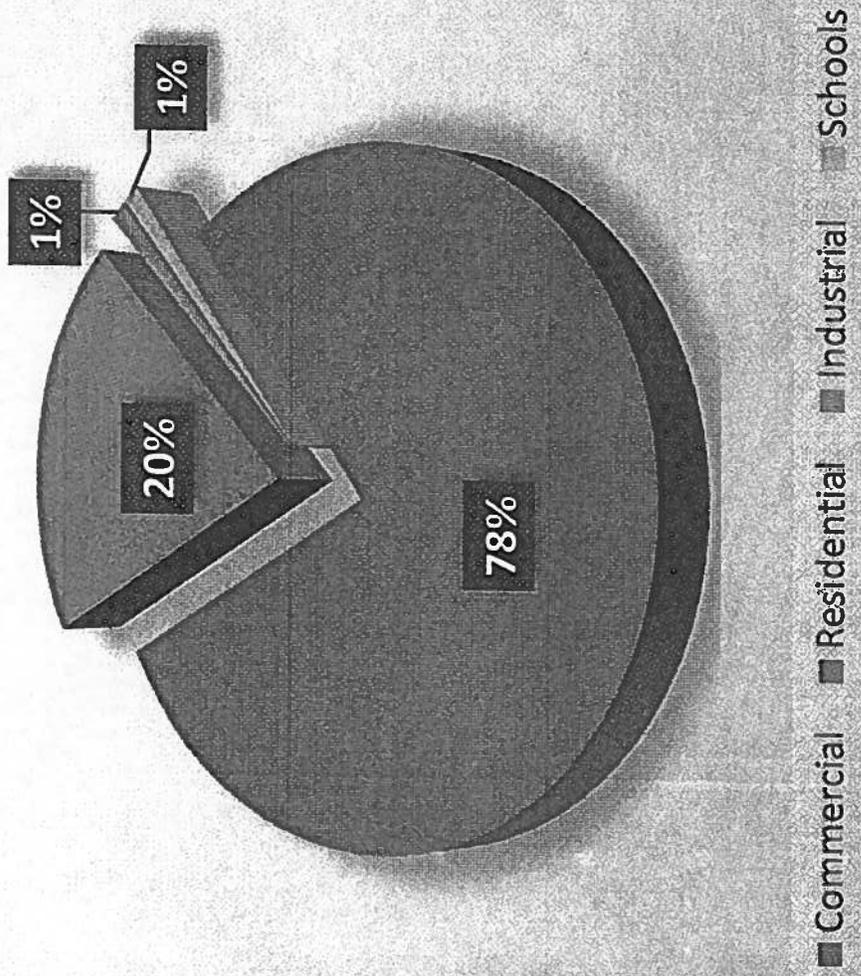
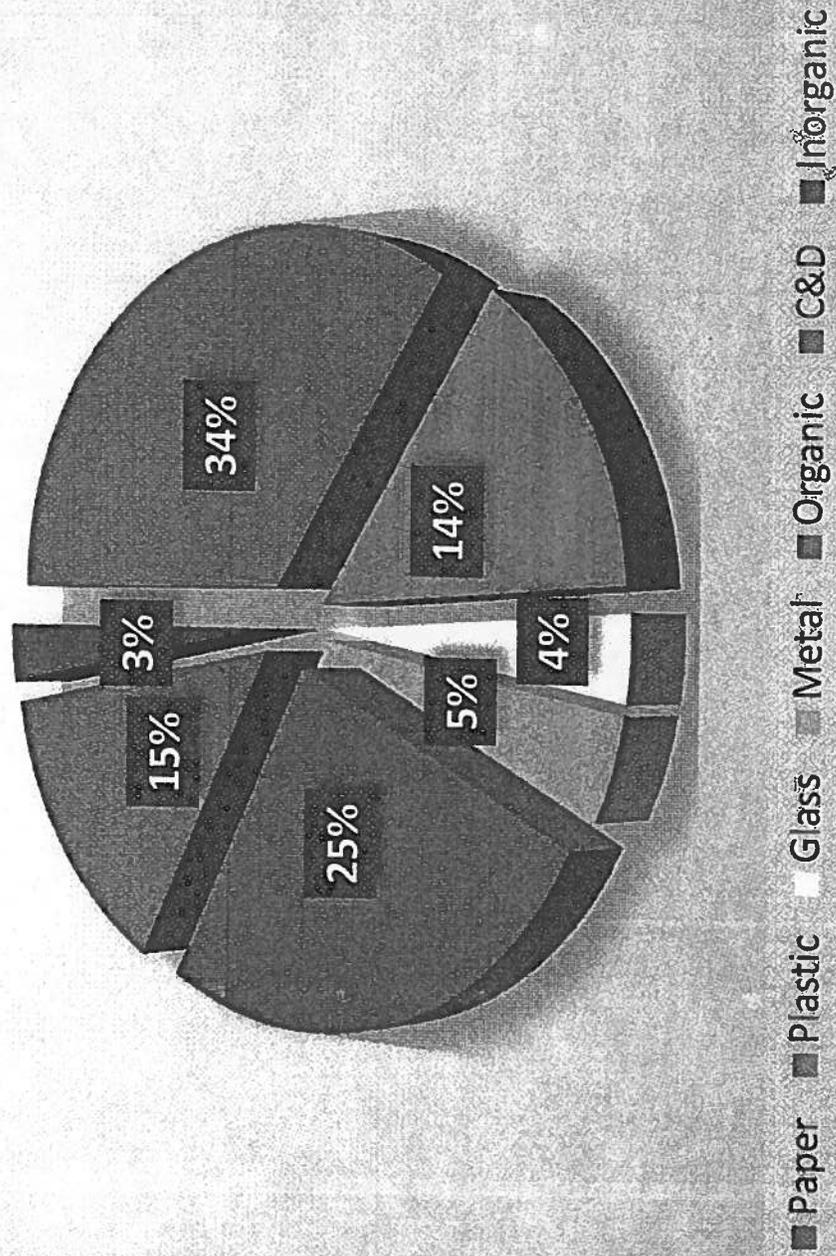


Figure 2.3.1 Douglas County Waste Characterization 2003



## SECTION 3 - WASTE COLLECTION/DISPOSAL ELEMENT

### 3.1. SOLID WASTE COLLECTION

Douglas County does not provide any type of solid waste collection service. Collection service is however provided in the majority of the unincorporated areas of the County by private haulers. Several small segments of the County do not have any type of collection service, as these areas are deemed uneconomical by the private haulers.

Twelve (12) private collection companies provide residential collection services in the County. At this time, none of the residential collection companies offer recycling services. The City of Douglasville currently collects and disposes of household and commercial waste generated within the city limits. Table 3.1.1 is a list of the companies that collect and transport waste in Douglas County. All collection companies are required to obtain a county business license from the County and a Permit by Rule (PBR) from the Georgia EPD to collect and transport waste. As seen from Table 3.1.1, a number of the collection companies are not listed as having a PBR.

**Table 3.1.1  
Waste Collection Companies**

| EPD Permit Number | Company                          | Contact         | Phone No.    | Service(s)         |
|-------------------|----------------------------------|-----------------|--------------|--------------------|
|                   | B&L Disposal                     | Kelly           | 770-443-2213 | C&D/Yard Waste(YW) |
|                   | Back Door Garbage Service        | Billy Foreman   | 770-942-4482 | Residential        |
|                   | BC Services, Inc.                | Chris Johnston  | 770-942-7172 | C&D                |
|                   | Bin There Dump That              | Kurt Anderson   | 404-692-2838 | C&D/Residential    |
| PBR-048-27COL     | Compact Container Services, Inc. | David L. Snyder | 770-562-5256 | C&D/Residential    |
|                   | Contractor's hauling             | Bobby Reid      | 770-834-8303 | C&D/Residential/YW |
|                   | Haul Masters, Inc.               | Jason or Chris  | 678-344-5133 | C&D                |
| PBR-048-025COL    | Hometown Waste Removal           | Chris Bearden   | 404-391-3442 | Residential        |
|                   | Just Trash                       | Tyler L. berg   | 770-748-5334 | Residential        |
|                   | Neighborhood Waste, Inc.         | Chris Boyd      | 770-443-2977 | Residential        |
|                   | P.W.R. Paulding Waste Rec.       | Wayne Benson    | 770-445-8410 | Residential        |
|                   | Republic Services, Inc.          | Matt Carlson    | 404-693-9237 | Residential        |
|                   | Smith Sanitation                 | Steve Smith     | 770-941-2498 | Residential        |
|                   | T & T Hart, Inc.                 | Tony Hart       | 770-949-2729 | C&D                |
| PBR-048-53COL     | Waste Industries                 | Brian Chesson   | 770-577-3545 | Residential        |
|                   | Debris Removal Services          | Hal Knott       | 770-214-1377 | C&D                |
|                   | Pirkle, Inc.                     |                 | 404-525-1464 | C&D/Residential    |
|                   | Northwest Georgia Cont.          | Andy Ledbetter  | 770-947-8151 | C&D                |

## **SECTION 3 - WASTE COLLECTION/DISPOSAL ELEMENT**

### **3.2. SOLID WASTE DISPOSAL & RECYCLING CENTERS**

Douglas County currently owns and operates the Cedar Mountain Construction Demolition (C&D) Landfill. As shown on Figure 3.2.1, Douglas County currently owns approximately 1,034 acres of land in the northern section of the County off of Cedar Mountain Road. The Georgia Environmental Protection Division (EPD) issued a Letter of Site Acceptability (LOSA) on the 272 acres of the property on May 19, 1986 for a Municipal Solid Waste (MSW) landfill. EPD then approved a Design and Operation (D & O) Plan and issued a solid waste handling permit (Permit No. 048-009D (SL)) for Phase 1 of the site on January 9, 1987. The approved D & O Plan indicated three waste disposal sections (Section 1, 2 and 3) with a total landfill footprint of approximately 78 acres.

In July 1988, the County requested approval of a second phase of the landfill consisting of approximately 150 acres of the original 272 acres that had received site suitability in 1986. Questions arose within EPD over whether a new LOSA was required for the property since several new siting limitations had been enacted since 1986. On August 3, 1989, EPD issued a new LOSA with revised conditions for the site. This letter included a statement that the LOSA would expire one year from the date it was issued if an approvable D & O Plan had not been submitted to the EPD before that date. Representatives of Douglas County met with the EPD Director, Leonard Ledbetter, to discuss the revised LOSA. EPD reversed its position and decided that the D & O plan would only be required to meet the conditions of the original LOSA. D & O Plans for Phase 2 were developed which would provide approximately 2,500,000 cubic yards of waste disposal capacity within a 150 acre footprint. The Phase 2 D & O Plans were never approved by the EPD and approval was never pursued as new Federal Subtitle D landfill regulations were enacted. These regulations required MSW landfills to install costly liners and leachate collection systems.

A study titled "Selected Future Solid Waste Disposal Options for Douglas County" was prepared for the County by the engineering firm, Tribble and Richardson, in September 1996. This study evaluated existing solid waste issues and future waste disposal options at that time. As a result of this study, the County elected to convert the remaining portion of the landfill (Section III) to a C & D Landfill which did not require the liners and leachate collection system. The County also decided to construct an MSW transfer station and contract with a private hauler for the disposal of the County's MSW out of the County.

With the conversion to a C& D Landfill, a transfer station was constructed on the landfill property and MSW has been hauled out of county for disposal since early 1998. The County contracts with a private company to haul the MSW to a permitted landfill. Currently the County is contracted with Republic Services. There is also a private solid waste transfer station, the Westside Transfer Station, located in the northwest corner of the county, which is where the private haulers in the County deposit their collected solid waste. Waste from the Westside Transfer Station, currently owned by Waste Industries, is hauled to the Polk County- Grady Road Landfill.

According to the 2013 disposal reports submitted to the EPD, MSW from Douglas County was disposed of in six different MSW landfills owned by four different private companies (see Table 3.2.1). These reports also indicate that in 2013, 23,262.66 tons of C& D Waste generated in Douglas County was disposed of in seven different C&D landfills with seven different owners

## SECTION 3 - WASTE COLLECTION/DISPOSAL ELEMENT

(Table 3.2.2). Based on these reports, only 36 percent of the C&D waste generated in Douglas County was disposed of at the Douglas County Cedar Mountain C&D Landfill.

**Table 3.2.1**  
**2013 Douglas County MSW Disposal**

| <b>Permit Number</b> | <b>Landfill</b>               | <b>Owner</b>      | <b>County</b> | <b>Tons MSW</b>   |
|----------------------|-------------------------------|-------------------|---------------|-------------------|
| 067-032D(SL)         | Richland Creek Road MSWL      | Republic Services | Gwinnett      | 10.70             |
| 058-012D(MSWL)       | Eagle Point MSWL              | Advanced Disposal | Forsyth       | 32.02             |
| 099-019D(MSWL)       | Greenbow, LLC Turkey Run MSWL | Waste Management  | Meriwether    | 18.09             |
| 028-039D(SL)         | Pine Bluff MSWL               | Waste Management  | Cherokee      | 32.73             |
| 115-008D(SL)         | Polk Co - Grady Rd (SL)       | Waste Industries  | Polk          | 147,294.56        |
| 018-008D(MSWL)       | Pine Ridge Recycling MSWL     | Republic Services | Butts         | 253.10            |
| 133-003D(SL)         | Taylor County MSWL            | Waste Industries  | Taylor        | 42.96             |
| <b>TOTALS</b>        |                               |                   |               | <b>147,684.16</b> |

**Table 3.2.2**  
**2013 Douglas County C&D Waste Disposal In Private Landfills**

| <b>Permit Number</b> | <b>C &amp; D Landfill</b>    | <b>Owner</b>         | <b>County</b> | <b>Tons C&amp;D</b> |
|----------------------|------------------------------|----------------------|---------------|---------------------|
| 028-043D(C&D)        | Cherokee                     | Waste Pro            | Cherokee      | 35.57               |
| 044-042D(L)          | APAC/GA - Donzi Ln Ph 5A (L) | APAC/GA              | DeKalb        | 474.13              |
| 044-041D(L)          | Rogers Lake Road             | Advanced Disposal    | DeKalb        | 26.51               |
| 060-088D(C&D)        | Safeguard                    | Safeguard            | Fulton        | 7,436.04            |
| 031-039D(C&D)        | Stephens MDS                 | Stephens MDS, LP     | Clayton       | 483.23              |
| 147-013D(C&D)        | Walton                       | Walton Holdings, LLC | Walton        | 7.15                |
| 060-089D(C&D)        | Willow Oak                   | Waste Management     | Fulton        | 14,800.03           |
| <b>TOTALS</b>        |                              |                      |               | <b>23,262.66</b>    |



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CONSULTING, INC.**  
630 Colonial Park Drive  
Suite 110  
Roswell, GA 30075  
o 770.594.5998  
f 770.594.5967  
www.atlcc.net

### Legend

— Landfill Parcel

Map Adapted from USDA-NRCS-  
NCGC Digital Raster Graphic  
Mosaic  
drg\_s\_ga097.sid



2,000

Feet



Figure 3.2.1  
Landfill Property  
Douglas County SWMP Update



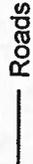
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### Legend

#### PHASE



Current Landfill



Map Adapted from  
Aerial  
USDA-NRCS-  
NCGC Digital Raster Graphic  
MRSID Mosaic  
ortho\_1-1\_1\_in\_s\_g097\_2013\_1.sid  
October 25, 2013



2,000

Feet

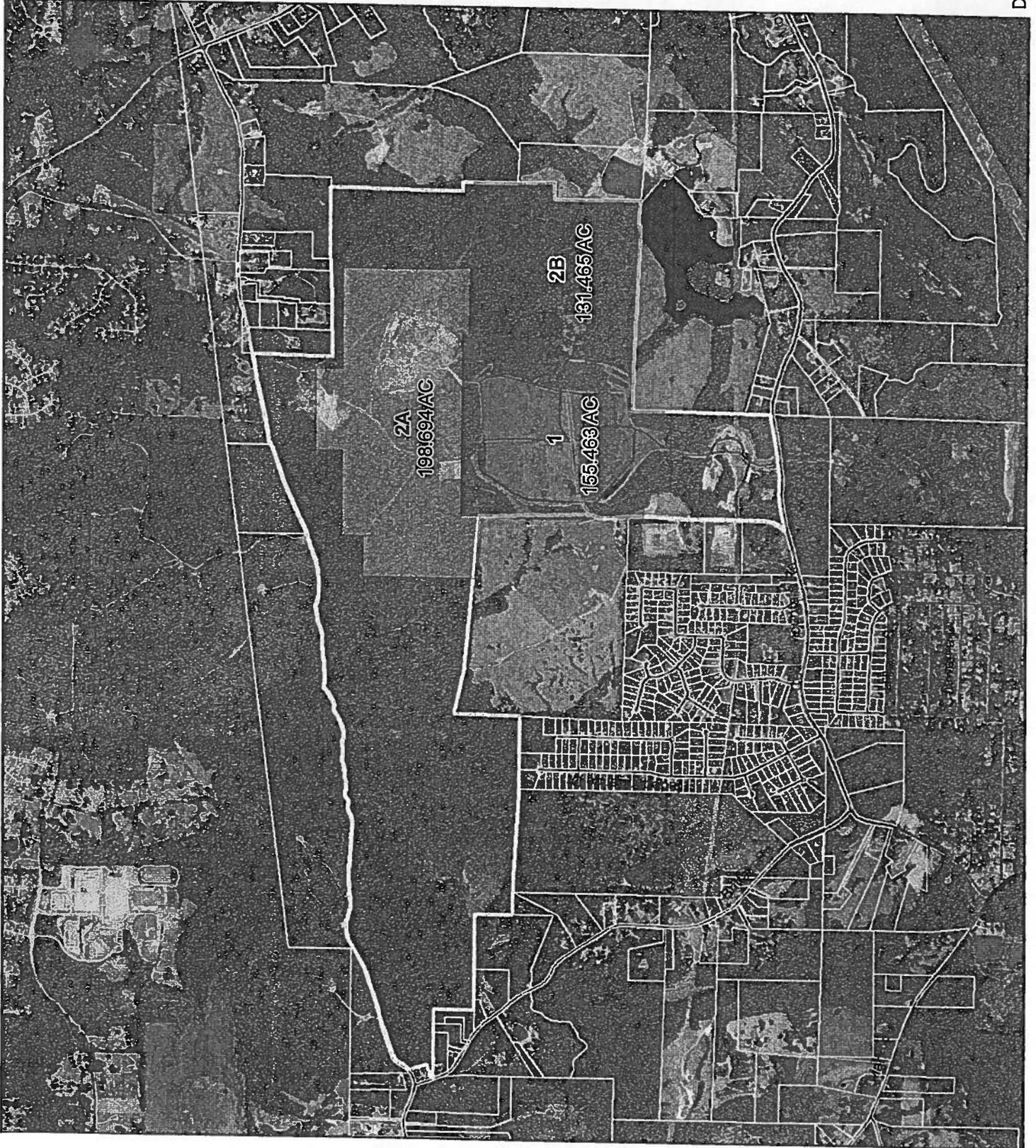
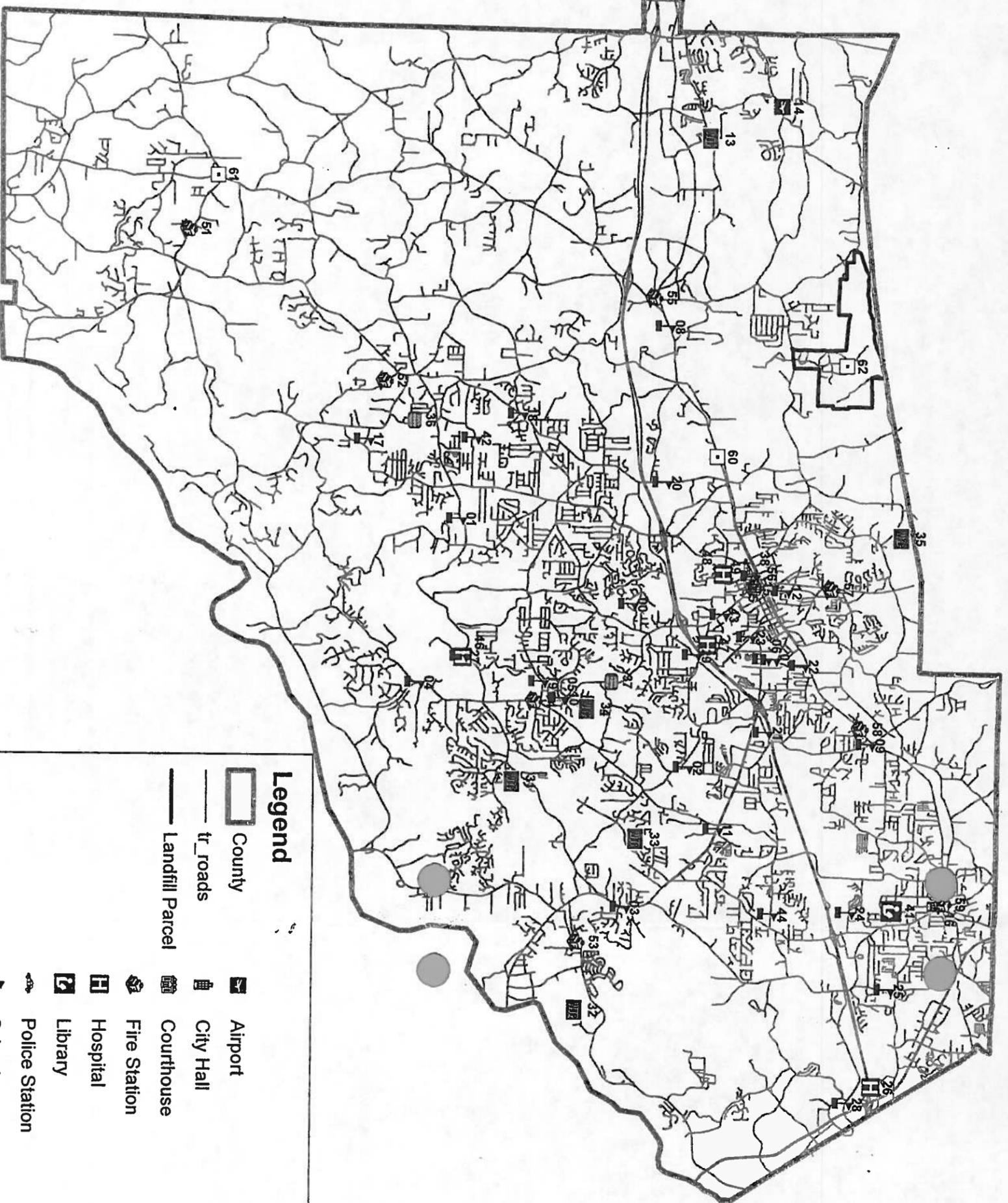


Figure 3.2.2  
Landfill Phases  
Douglas County SWMP Update





| ID_Map | NAME  |
|--------|---|
| 00     | Arbor Station Elementary School             |
| 01     | Arbor Station elementary School             |
| 02     | Chestnut Log Middle School                  |
| 03     | Factory Shoals Elementary School            |
| 04     | Holly Springs Elementary School             |
| 05     | Chapel Hills Elementary School              |
| 06     | Burnett Elementary School                   |
| 07     | Eastside Elementary School                  |
| 08     | Winston Elementary School                   |
| 09     | Bentla Elementary School                    |
| 10     | Chapel Hills Middle School                  |
| 11     | Mount Carmel Elementary School              |
| 12     | Stewart Middle School                       |
| 13     | Vila Rica (North WPCP)                      |
| 14     | Stockmart Aviation                          |
| 15     | Douglasville City Hall                      |
| 16     | Lithia Springs City Hall                    |
| 17     | Kings Way Christian                         |
| 18     | Water of Life Christian Academy             |
| 19     | Harvater Christian Academy                  |
| 20     | Douglasville Seventh Day Adventist School   |
| 21     | International Academy                       |
| 22     | Monteross School of Douglas County          |
| 23     | Army of the Lord Christian                  |
| 24     | Lithia Christian academy                    |
| 25     | Colonial Hills Christian                    |
| 26     | Parkway Medical Center Adolescent Svc.      |
| 27     | Inner Harbour School                        |
| 28     | Mercer University - Douglas                 |
| 29     | Carroll Tech-Douglas                        |
| 31     | Douglas Co. Rebel Trails (WPCP)             |
| 32     | Douglasville (Sweatwater)                   |
| 33     | Douglas Co. Beaver Estates (WPCP)           |
| 34     | Douglasville South (WPCP)                   |
| 35     | Douglasville North (WPCP)                   |
| 36     | Douglasville/Douglas County-Bear Creek      |
| 37     | Douglasville/Douglas County-Chapel Hill     |
| 38     | Douglas County Sheriffs Office              |
| 41     | Lithia Springs Public Library               |
| 42     | Alexander Comprehensive High                |
| 43     | Douglas County Comprehensive School         |
| 44     | Lithia Springs Comprehensive High           |
| 45     | CrossRoads Evening High                     |
| 46     | Inner Harbour Hospital                      |
| 47     | Promina Douglas Hospital                    |
| 48     | Columbia Parkway Medical Center             |
| 49     | Douglas County Courthouse                   |
| 51     | Douglas County Fire Dept. Station 04        |
| 52     | Douglas County Fire Dept. Station           |
| 53     | Douglas Co. Fire Dept. Station              |
| 54     | Douglas County Fire Dept. Station 05        |
| 55     | Douglas County Fire Dept. Station           |
| 56     | Douglas County Fire Dept. Station 10        |
| 57     | Douglas County Fire Dept. Station 11        |
| 58     | Douglas County Fire Dept. Station 07        |
| 59     | Douglas County Fire Dept. Station 01        |
| 60     | Westside Transfer Station                   |
| 61     | Camp Road Convalescence Center              |
| 62     | Cedar Mtn. Road Landfill & Transfer Station |

**AC**  
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Map Adapted from  
 County Points from Douglas County Geographic Information Systems Department Map  
 County Line  
 U.S. Bureau of the Census  
 ESRI Export File (.e00)  
 tgr10397en00.e00  
 Published 2000  
 Updated 2/8/2001  
 Roads  
 Georgia Department of Transportation  
 ESRI Personal Geodatabase  
 t\_roads  
 Published 2013  
 Updated 3/28/2013

**Legend**

- County
- tr\_roads
- Landfill Parcel
- Airport
- City Hall
- Courthouse
- Fire Station
- Hospital
- Library
- Police Station
- School
- Transfer Station
- Waste Water Tx. Plant
- Water System

Figure 3.2.4  
 Douglas County Community Facilities  
 Douglas County SWMP Update

### **SECTION 3 - WASTE COLLECTION/DISPOSAL ELEMENT**

In 2010, Douglas County re-considered expansion of the existing landfill onto the remainder of the landfill property that received site suitability and onto additional portions of the County's property. As seen on Figure 3.2.2, Expansion into Phase 2A would be within one-half mile of the Paulding County line. O.C.G.A. 12-8-25 requires that Douglas County first receive the express approval of Paulding County prior to permitting the expansion. Paulding County passed a resolution on September 15, 2011 that granted that approval. The resolution is included as Appendix A. It was agreed that Douglas County would keep the limit of waste of the expanded facility a minimum of 500 feet from the northern most landfill property line which is near the Paulding County line.

As seen from Figure 3.2.3, there are currently eight privately owned C & D Landfills and four privately owned MSW landfills within 60 miles of the Douglas County Transfer Station. As can be seen in Table 3.2.3, these landfills have over 30 years of combined landfill capacity remaining. With the current cost of disposal and amount of private landfill capacity available, it is not believed to be in the best interest of the County to develop MSW landfill cells at the Cedar Mountain Road landfill. However, should the County elect to move forward in the future with either expansion of the landfill to develop new MSW or C&D landfill cells on the existing property, the expansion would be consistent with this SWMP. Similarly, any expansion of the existing transfer station or development of a new Materials Recovery Facility or Compost operation on the property would be consistent with this SWMP.

The Georgia Board of Natural Resources amended Georgia's Rules for Solid Waste Management Chapter 391-3-4, specifically Rules 391-3-4-.06(3) and Rule 391-3-4-.07(4) that regulate Inert Waste Landfills and they became effective on February 25, 2013. The new rules require that all Inert Waste Landfills previously operated under a Permit by Rule (PBR) will now have to obtain a solid waste handling permit. Inert Waste Landfills in existence on February 25, 2013 and in compliance with all other regulations applicable to the PBR for inert waste operations may continue to operate under the existing permit conditions until a solid waste handling permit is issued or December 1, 2014, whichever occurs first. If the requirements for a new permit cannot be met by the facilities by December 1, 2014, they will be required to cease receiving waste and complete closure of the landfill by June 1, 2015. Table 3.2.4 presents a list of existing inert landfills located in Douglas County. Should the owners of these existing landfills choose to obtain a permit, and continue operations, these landfills are considered consistent with this plan. New inert landfills will be required to follow the requirements for siting of solid waste facilities presented in this plan.

The County has two (2) manned recycling/collection centers where residents can bring their recyclable material and receive a household waste disposal discount. One is located at the Cedar Mountain Construction Demolition Landfill and the second is located at the Camp Road Transfer Station in the southwest corner of the County. The locations of the transfer stations, landfill, and recycling centers are shown on Figure 3.2.4. Hours of operation for the landfill center are Monday through Saturday 8:00 AM to 5:00 PM. Hours of operation for the Camp Road Convenience Center are Monday through Friday 12:00 noon to 6:00 PM. Douglas County hauls the recyclable items to private material recovery and processing facilities. In 2013, the Douglas County recycling center collectively received a total of 9,039.94 tons of materials. Table 3.2.5 shows the monthly collection totals for various recyclable items.

**SECTION 3 - WASTE COLLECTION/DISPOSAL ELEMENT**

**Table 3.2.3**

**Privately Operated Landfills Within 60 Miles of Douglas County's Transfer Station**

| County               | Permit Number  | Facility Name                    | Owner / Operator                 | Remaining Capacity (CY) | Average Daily Tons | Rate Of Fill (CYD) | Years Remaining |
|----------------------|----------------|----------------------------------|----------------------------------|-------------------------|--------------------|--------------------|-----------------|
| Cherokee             | 028-040D(C&D)  | Cherokee Co-Swims-SR<br>92 Ph 5  |                                  | 55,500                  | 66                 | 133                | 1               |
| Cherokee             | 028-043D(C&D)  | Cherokee C&D Landfill            | Waste Pro of GA                  | 8,182,840               | 182                | 242                | 118             |
| Clayton              | 031-039D(C&D)  | Stephens C&D Landfill            | Stephens MDS                     | 16,380,205              | 355                | 394                | 151             |
| DeKalb               | 044-041D(L)    | Rogers Lake Road C&D<br>Landfill | Advanced Disposal                | 184,423                 | 127                | 134                | 5               |
| DeKalb               | 044-042D(L)    | APAC/GA - Donzi Ln<br>Ph 5A (L)  | APAC/GA                          | 111,794                 | 550                | 509                | 1               |
| Fulton               | 060-089D(C&D)  | Willow Oak C&D Landfill          | Waste Management                 | 12,288,616              | 626                | 962                | 45              |
| Fulton               | 060-088D(C&D)  | Safeguard C & D<br>Landfill      | Safeguard Landfill<br>Management | 6,963,346               | 1168               | 1460               | 17              |
| Fulton               | 060-072D(L)    | Chadwick Rd C& D<br>Landfill     | Waste Management                 | 1,637,670               | 312                | 480                | 12              |
| <b>TOTAL C&amp;D</b> |                |                                  |                                  | <b>45,804,394</b>       |                    | <b>4314</b>        | <b>34.03</b>    |
| Butts                | 018-008D(MSWL) | Pine Ridge Recycling<br>MSWL     | Republic Services                | 24,965,105              | 3000               | 3750               | 24              |
| Cherokee             | 028-039D(SL)   | Pine Bluff MSWL                  | Waste Management                 | 42,862,629              | 3565               | 4754               | 32              |
| Gordon               | 064-016D(SL)   | Redbone Ridges<br>MSWL           | Santec                           | 11,464,628              | 771                | 1056               | 39              |
| Meriwether           | 099-019D(MSWL) | Turkey Run MSWL                  | Waste Management                 | 32,932,795              | 1087               | 1554               | 74              |
| Polk                 | 115-008D(SL)   | Grady Rd MSWL                    | Waste industries                 | 22,646,042              | 1956               | 2795               | 32              |
| <b>TOTAL MSW</b>     |                |                                  |                                  | <b>134,871,199</b>      |                    | <b>13909</b>       | <b>31.08</b>    |

Note: Capacity information from GA EPD files for FY 2012

**SECTION 3 - WASTE COLLECTION/DISPOSAL ELEMENT**

**Table 3.2.4  
Inert Waste Landfills**

| Permit Number | Facility Name                        | Owner                             | Location   | City         | Zip Code | Telephone Number |
|---------------|--------------------------------------|-----------------------------------|--|--------------|----------|------------------|
| PBR-048-0171L | Foster Inert LF                      | Joe R. & Harriet Foster           | 7840 Basket Creek Rd                             | Douglasville | 30135    | 489-0680         |
| PBR-048-011L  | Tyson Road Inert LF                  | Douglas County PW<br>Department   | Tyson Road Near Villa Rica                       | Douglasville | 30134    | 949-2000         |
| PBR-048-021L  | Jenkins Road Inert L:F               | Douglas County PW<br>Department   | Jenkins Road                                     | Winston      | 30187    | 949-2000         |
| PBR-048-031L  | Highway 166 Inert LF                 | Douglas County School<br>System   | HWY 166 behind Fairplay<br>Middle School         | Douglasville | 30133    | 920-4021         |
| PBR-048-041L  | Coursey Lake Road<br>Inert LF        | Douglas County PW<br>Department   | Coursey Lake Road                                | Douglasville | 30135    | 949-2000         |
| PBR-048-051L  | Delena Farm Rd Inert<br>LF           | Douglas County PW<br>Department   | Delena Farm Rd                                   | Douglasville | 30135    | 949-2000         |
| PBR-048-061L  | Cannon Drive Inert LF                | Douglas County PW                 | Cannon Drive                                     | Douglasville | 30135    | 920-9339         |
| PBR-048-071L  | Cool Springs Rd Inert<br>LF          | Douglas County PW<br>Department   | Cool Springs Rd                                  | Douglasville | 30134    | 949-2000         |
| PBR-048-081L  | W. Bankhead Hwy<br>Inert LF          | Jackson Paving Company            | West Bankhead Highway                            | Douglasville | 30134    | 942-6426         |
| PBR-048-091L  | West Union Hill Road<br>Inert LF     | Douglas County                    | West Union Hill Road 3 miles<br>SE of Villa Rica | Villa Rica   | 30180    | 949-2000         |
| PBR-048-101L  | Yarbrough Inert LF                   | Douglas County PW                 | Lee Road   | Douglasville | 30135    | 949-3919         |
| PBR-048-111L  | Liberty Rd Inert LF                  | Douglas County PW<br>Department   | Liberty Church Rd/ Helton Rd                     | Villa Rica   | 30180    | 949-2000         |
| PBR-048-151L  | Wright Inert LF                      | Earle E. Wright                   | 4485 HWY 278                                     | Douglasville | 30134    | 943-9275         |
| PBR-048-161L  | Douglas County<br>Douglasville Sheet | Douglas County                    | 3754 Oak Hill Road                               | Douglasville | 30135    | 949-1664         |
| PBR-048-311L  | Douglasville Sheet<br>Metal Inert LF | Douglasville Sheet<br>Metal, Inc. | 3894 King Drive                                  | Douglasville | 30135    | 949-1664         |

SECTION 3 - WASTE COLLECTION/DISPOSAL ELEMENT

ble 3.2  
2013 RECYCLING REPORT

|                | TONS GLASS | TONS TIRES | TONS COMPUTERS | TONS METAL | TONS ALUMINUM | TONS BATTERIES | TONS CARD-BOARD | TONS YARD WASTE | TONS WASTE OIL | TONS PLASTICS | COUNT PROPANE TANKS | COUNT TIRES | LAWN MOWERS | MATTRESS COUNT | COUNT FREON WHITE GOODS | COUNT FREEZERS | MONTHLY TOTAL TONS | MONTHLY TOTAL COUNT |
|----------------|------------|------------|----------------|------------|---------------|----------------|-----------------|-----------------|----------------|---------------|---------------------|-------------|-------------|----------------|-------------------------|----------------|--------------------|---------------------|
| JANUARY        | 8.53       | 5.74       | 1.27           | 21.87      | 0.56          | 0.67           | 25.71           | 94.03           | 2.14           | 5.48          | -                   | 207         | 6           | -              | 35                      | 21             | 435.00             | 269                 |
| FEBRUARY       | 4.51       | -          | 0.53           | 9.91       | 0.59          | 0.53           | 17.1            | 112.66          | 1.64           | 4.02          | 35                  | 68          | 1           | -              | 64                      | 21             | 340.69             | 189                 |
| MARCH          | -          | 4.81       | 1.09           | 23.37      | -             | 0.50           | 15.23           | 248.16          | 1.93           | 5.60          | -                   | 239         | 10          | -              | 33                      | 33             | 615.69             | 315                 |
| APRIL          | 7.33       | -          | 1.37           | 21.93      | 0.43          | -              | 19.78           | 262.48          | 1.41           | 7.80          | 30                  | 159         | 22          | 73.00          | 46                      | 33             | 685.53             | 363                 |
| MAY            | -          | 4.98       | 1.53           | 24.20      | 1.05          | 1.06           | 23.66           | 421.59          | 3.61           | 6.05          | -                   | 199         | 26          | 193.00         | 23                      | 29             | 957.73             | 470                 |
| JUNE           | 8.40       | 5.29       | 1.17           | 33.66      | 0.50          | -              | 17.10           | 485.30          | 2.44           | 8.27          | 42                  | 140         | 24          | 332.00         | 73                      | 33             | 1,206.13           | 644                 |
| JULY           | 4.39       | 3.82       | 1.15           | 29.45      | 0.55          | 1.17           | 15.28           | 381.46          | 1.76           | 6.21          | -                   | 148         | 24          | 315.00         | 76                      | 25             | 1,033.24           | 588                 |
| AUGUST         | -          | 4.12       | 1.22           | 24.81      | 0.54          | 1.44           | 21.26           | 261.59          | 1.36           | 6.89          | 34                  | 151         | 24          | 282.00         | 31                      | 29             | 874.23             | 551                 |
| SEPTEMBER      | 11.03      | -          | 1.28           | 23.09      | 0.61          | -              | 14.75           | 196.02          | 2.00           | 5.31          | 32                  | 178         | 25          | 259.00         | 78                      | 23             | 849.09             | 595                 |
| OCTOBER        | 4.95       | 4.40       | 1.50           | 19.43      | 0.63          | 0.73           | 19.08           | 215.73          | 1.12           | 3.87          | 23                  | 158         | 15          | 238.00         | 29                      | 33             | 767.44             | 496                 |
| NOVEMBER       | -          | -          | 1.16           | 16.31      | -             | 0.61           | 15.71           | 172.08          | 1.98           | 3.88          | -                   | 180         | 9           | 228.00         | 28                      | 27             | 683.73             | 472                 |
| DECEMBER       | 4.74       | 6.70       | 0.36           | 17.96      | 0.85          | -              | 15.51           | 163.52          | 0.83           | 7.97          | 26                  | 150         | 2           | 166.00         | 11                      | 18             | 591.44             | 373                 |
| TOTAL RECYCLED | 53.88      | 39.86      | 13.63          | 265.99     | 6.31          | 6.71           | 220.17          | 3,014.82        | 22.22          | 71.35         | 222                 | 1977        | 188         | 2,086.00       | 527                     | 325            | 9,039.94           | 5325                |

## **SECTION 3 - WASTE COLLECTION/DISPOSAL ELEMENT**

### **3.3. REMAINING CAPACITY**

According to the County's required annual reporting to the Environmental Protection Division, the Cedar Mountain C&D Landfill's remaining capacity report prepared by Atlantic Coast Consulting, Inc. in July of 2014, the Cedar Mountain Construction Demolition Landfill received 12,638 tons of C&D waste from July 1, 2013 to June 30, 2014. Therefore, according to the report, the landfill has a remaining capacity life of 4,163 days or 13.9 years at the FY 2014 disposal rates. Therefore, the landfill can remain operational with no expansion until May 2028 at FY 2014 disposal rates. Not all C & D waste generated in Douglas County is disposed of at the Cedar Mountain Road landfill. In FY 2013, approximately 64 percent (23,262.66 tons) of C & D waste from Douglas County was disposed of at six other C&D Landfills.

As stated earlier, MSW generated in Douglas County and collected by Douglas County is collected from the Cedar Mountain Landfill and the Camp Road Transfer Stations. This waste has typically been hauled by Republic to their Pine Ridge Recycling Landfill in Butts County, Georgia. According to Pine Ridge Recycling Landfill's 2012 remaining capacity report, the landfill received 3,000 tons per day of solid waste from July 1, 2011 to June 1, 2012. Therefore, according to the report, the landfill has a remaining capacity life of 24 years and can remain operational with no expansion until April 2030.

The Westside Transfer Station, the private collection center in Douglas County operated by Waste Industries, hauls its collected solid waste to their Grady Road Landfill in Polk County, Georgia. Republic has also hauled waste from Douglas County to this landfill in an agreement with Waste Industries. According to the Grady Road Landfill's 2012 remaining capacity report, the landfill received 1,956 tons/day from July 1, 2011 to June 30, 2012. Therefore, according to the report, the landfill has a remaining capacity life of 32 years and can remain operational with no expansion until August 2043.

The amount of disposal capacity that will be required for disposal of the MSW and C&D Waste generated in Douglas County for the ten year period from 2015 to 2025 is presented in Table 3.3.1. As seen from Table 3.3.1, it is projected that 373,292 tons of C&D waste will be generated during the 10 year period. The existing Cedar Mountain Road C & D Landfill only has capacity for approximately 175,392 tons of C&D waste. Therefore unless Douglas County decides to expand its landfill operations, the County will continue to rely on the capacity available in nearby privately operated landfills to meet their disposal needs.

## **SECTION 3 - WASTE COLLECTION/DISPOSAL ELEMENT**

**Table 3.3.1**  
**Douglas County 10 Year Disposal Capacity**  
**(COUNTY WIDE)**

| <b>Year</b>   | <b>MSW Waste<br/>(Tons / Yr)</b> | <b>C &amp; D Waste<br/>(Tons / Yr)</b> | <b>Total Waste<br/>(Tons / Yr)</b> |
|---------------|----------------------------------|--|------------------------------------|
| 2015          | 158,548                          | 28,634                                 | 187,182                            |
| 2016          | 163,403                          | 29,511                                 | 192,914                            |
| 2017          | 168,259                          | 30,388                                 | 198,647                            |
| 2018          | 173,114                          | 31,265                                 | 204,379                            |
| 2019          | 177,969                          | 32,142                                 | 210,111                            |
| 2020          | 182,825                          | 33,018                                 | 215,843                            |
| 2021          | 187,680                          | 33,895                                 | 221,575                            |
| 2022          | 192,535                          | 34,772                                 | 227,307                            |
| 2023          | 197,391                          | 35,649                                 | 233,040                            |
| 2024          | 202,246                          | 36,526                                 | 238,772                            |
| 2025          | 207,101                          | 37,403                                 | 244,504                            |
| <b>TOTALS</b> | <b>2,011,071</b>                 | <b>363,203</b>                         | <b>2,374,274</b>                   |

### **3.4. ENVIRONMENTAL CODE ENFORCEMENT**

Douglas County has an Environmental Code Enforcement Officer whose main responsibilities include identifying illegal dumpsites and fielding public complaints on Litter. The Code Enforcement Officer follows the rules and regulations of solid waste management set forth in 2003 in Article 4, Section 11-63 Ordinance.

By enacting the Article 4, Section 11-63 Ordinance, Douglas County addressed the need to institute a comprehensive approach to solid waste management. Enforcement of this ordinance is for the purpose of: (1) protecting public health, safety and welfare by preventing the dissemination of, and providing for the removal of, inorganic refuse materials detrimental to the general public and environment; and (2) to provide for the separation of yard trimmings from municipal solid waste as required by state law, and to protect and enhance the quality of water, air and overall environment by guarding against any of the degradations thereto, which stem from the collection, transport, burial, deposition, or disposal of litter.

### **3.5. SOLID WASTE COLLECTION & DISPOSAL DURING TIMES OF DISASTER**

Solid Wastes collected during times of disaster usually consist mostly of waste generated from downed trees and limbs during inclement weather such as hurricanes, ice storms, or tornados. Douglas County work crews make an effort to collect the debris and stockpile it at a central location. County residents are also allowed to bring their yard waste from times of disaster to this central location. Once the majority of the debris has been collected, the County can do one

### **SECTION 3 - WASTE COLLECTION/DISPOSAL ELEMENT**

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of two things. The first option is to grind or chip the collected yard debris and use it as a soil amendment for cover at the C&D Landfill. The second option is to request a burn permit from the GDNR-EPD.

During times of disaster aftermath, EPD will usually issue burn permits to counties to help in disposal of the collected yard waste so that it does not take up valuable space in the landfill.

The Douglas County Emergency Management Agency (EMA) has developed the Local Emergency Operations Plan in order to ensure prior mitigation and preparedness, appropriate response, choices on timely recovery from natural or man-made hazards affecting the County. The plan contains a section that deals specifically with critical infrastructure. The Douglas County EMA has mandated that each county agency develop and maintain a strategy for emergency services.

The Douglas County Solid Waste Division has established a plan, which establishes a liaison to work in conjunction with the EMA and private citizens. In addition, the Solid Waste Division has an inventory of supplies and equipment to handle the overburden of waste generated from a natural hazard. County personnel also routinely participate in EMA drills and exercises. Please refer to the Local Emergency Operations Plan for further information.

#### **3.6. DISRUPTION OF COLLECTION AND/OR DISPOSAL SERVICES**

As stated earlier in this Section, Douglas County does not currently provide any form of solid waste collection services. These services are provided by twelve (12) private haulers to the majority of county residents. Therefore, should there be a disruption in collection services provided by these private haulers, it would be the responsibility of the private collection service to provide alternate collection modes, or the resident could haul their solid waste and recyclable items to one of the two (2) County operated transfer stations/convenience centers. In addition, the County will keep an alternate list of private haulers should citizens call with complaints about collection disruptions.

As mentioned above, the MSW generated in Douglas County is disposed of in multiple privately operated landfills. While the MSW of the waste has been disposed of at the Pine Ridge Recycling Landfill and the Grady Road Landfill, any disruption of service at either of these sites could easily be overcome by negotiating disposal of the MSW at one of the other nearby landfills. Similarly with the C&D Waste, any disruption at either of the sites could be overcome by negotiating disposal of the waste at other nearby landfills.

## **SECTION 4 - WASTE REDUCTION ELEMENT**

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### **4.1 RECYCLING FACILITIES**

As stated in Section 3, Douglas County currently has two (2) "Convenience Centers" for residents to drop off their recyclable items. One is located at the Cedar Mountain C&D Landfill and the second is located at the Camp Road Convenience Center in the southwest corner of the county. The manned recycling/collection centers allow residents to bring their recyclable material and receive a household waste disposal discount.

The County currently offers recycling for the following items: scrap metal, used motor oil, lead acid batteries, scrap tires, aluminum cans, glass, mixed paper, and organic materials. Table 3.2.3 shows the monthly total for 2013 for the collection of these items.

### **4.2 RECYCLING EDUCATION AND PROGRAMS**

In order to successfully reduce the amount of solid waste being generated by county residents, education of these residents in the areas of natural resources, conservation, and the benefits of recycling is very important. The County currently publishes brochures (Figure 4.2.1) for distribution to the public. The brochure provides information and guidance on landfill and disposal operation and guidance regarding the Camp Road Convenience Center. This information is also available on the County's website.

In addition, five (5) different avenues exist within the County which offer educational programs on recycling. Recycling classes are taught at all of the county elementary schools. The local 4-H Club, various Boy Scout Troops, and the County Extension Service offer recycling classes for adults and children alike. Several local churches also offer recycling classes for their patrons. In addition, the City of Douglasville has a Clean and Beautiful Chapter.

The following guidelines should be encouraged by Douglas County through the avenues listed above to help increase public awareness of recycling and reuse efforts:

1. The reuse of appliances, furniture, and clothing is becoming more acceptable and necessary. Reuse, rather than discard products by donating, reselling, or swapping products, appliances, clothing, etc., whenever possible. Churches, thrift shops, and consignment houses are all good alternatives for donating/selling reusable goods instead of placing them in the landfill.
2. Educate the public about product design/packing to reduce the purchase of materials that cannot be recycled or that are wasteful in our market. Encourage consumers and businesses to reduce the amount of waste through more conscientious purchasing and use of products with increased product life and/or reusability.
3. Offer Recognition Awards to schools, government, civic organizations, and businesses that are involved in or initiate recycling and waste reduction efforts.

## YARD WASTE

Americans throw away hundreds of tons of yard waste each year. Yard waste includes leaves, grass clippings, branches, trimmings, stalks, and roots. Yard waste makes up about 18% of the solid waste flow and takes up considerable space in landfills. Yard waste is banned from landfills across the country and most landfills are separating this waste and recycling it into mulch. The cost for disposal is \$1.65 per 100 lbs. The yard waste is grinded into mulch and provided to Douglas County residents at "no cost".

## REUSE ITEMS

Numerous and various items are disposed of in landfills that can be reused for their original intent. The reuse of these various items is the purest form of recycling. Reuse items include clothing, furniture, toys, etc.

Landfills and recycling centers are not usually equipped with personnel, collection, warehousing, and distribution functions, therefore charitable organizations and other service groups often perform these functions including drop off sites and pick-up services.

## WHERE TO GO:

### RE-USE DROP OFF CENTERS:

The following locations are public "re-use" drop off centers. Clothing, toys, games, furniture, and other reusable household items are accepted.

Items dropped off for re-use include those that can be re-used by others in "as is" condition or may require minor repair. Please call for more specific information

Loving Hands Ministry

Accepts Household / Personal Items. Does not accept some items (please call) 6768 West Spring Street, Douglasville, Georgia 30134. 770-577-1777 Monday - Friday 10am - 2pm Saturday 10am - 12 noon

### Douglas County Food Bank

Accepts Household / Personal Items / Food  
Bright Star Rd  
Douglasville, Georgia 30134  
770-947-0250

### Goodwill Industries

Accepts Household / Personal Items  
5793 Fairburn road 678-391-0893  
(Lowses Parking Lot) 404-486-8499

## WHERE TO GO:

### RECYCLING CENTERS:

The following locations in Douglas County offer public recycling centers.

Advance Auto Parts 5835 Stewart Pkwy. 770-920-5800  
Batteries and motor oil.

AutoZone 8440 Hospital Drive and 3781 Kings Hwy.  
770-489-5582 Batteries and motor oil.

Douglas County Fire Stations All locations.  
Aluminum cans.

Douglas County Landfill 1730 County Services Road,  
Metal, motor oil, batteries, tires (off rim), aluminum cans, glass, mixed paper, appliances, electronics, cook oil, etc 770-920-3133

Douglas County Camp Road Transfer Station  
Intersection of Camp Rd. and Hwy.166  
Mixed paper, aluminum cans, glass. 770-920-7190

First Presbyterian Church 9190 Campbellton St.  
770-942-0710 Mixed paper

First United Methodist Church 6167 Prestly Mill  
Road. 770-942-3146  
Mixed paper.

Home Depot 7399 Douglas Blvd. 770-577-8311  
Power Tool & Lawn Mower Batteries, Fluorescent, coiled(compact),and Floodlight Bulbs.

Lowses 7011 Douglas Blvd. 770-920-9022  
Plastic Bags, Power Tool Batteries & Coiled (Compact) Light Bulbs

Wal-Mart 7001 Concourse Pkwy (off Hwy 5)  
770-489-7057  
Plastic Bags

City of Douglasville  
Provides curbside recycling program along with normal refuse collection.

Call 770-920-3005 770-920-3000

### Private Waste Haulers

Many private waste hauliers accept recycling that is separated from the regular household garbage. Ask your hauler if he recycles.

Douglas County Solid Waste Department

Recycling Division

1730 County Services Rd.

Douglasville, Ga. 30134

770-920-3133

770-920-4937

# SECOND CHANCES RECYCLING IN DOUGLAS COUNTY

## THE IMPORTANCE OF RECYCLING

Each year in the United States, we generate nearly 200 million tons of solid waste—an average of 4.3 pounds per person per day. Communities across the United States are skimming to find means by which to handle such a rapidly growing problem. An easy answer to part of this problem is recycling much of this waste.

It is happening almost everywhere; in fact city, county, and state governments are being mandated to reduce the amount of waste entering landfills by 25 percent. Starting in 1996, this includes Douglas County and the State of Georgia. Douglas County encourages its citizens to recycle so we can meet this goal.

Recycling is becoming a permanent part of how we manage our waste in this country, but it takes patience and your cooperation to make it work.

Douglas County operates two recycling drop-off centers but many other locations also offer recycling. This pamphlet lists recycling locations, the items acceptable for recycling, and some products derived from these recyclables.

New products are made from recyclable materials every day and you can be a part of it.

## ALUMINUM CANS

Aluminum has been recycled since the early 1900's and has become the most popular and most profitable items to recycle. Almost two million tons of aluminum cans are generated annually. More than 62 percent of all aluminum cans are recovered for recycling which saves landfill space and saves energy consumption during the manufacturing process. Last year 64.7 billion used aluminum cans were collected out of a total of 99 billion available for recovery. Until 1994 almost all recovered aluminum was used to make new cans. Now, more recycled aluminum goes toward making automobiles than into new cans.

## AUTOMOBILE BATTERIES

Batteries are banned in landfills across Georgia, including the Cedar Mountain Landfill in Douglas County. Batteries constitute less than 1 percent of the waste stream. They can contain metal that may be of concern when disposed in landfills or combustors.

The lead, the acid, and the plastic casing can all be recycled. Luckily, most people understand the severity of improperly disposing of a used automobile battery. About 96 percent of automobile batteries are recovered and recycled each year. Most auto part stores, service stations, and landfills accept batteries for recycling purposes.

## COOKING OIL

This product is purified plant and/or animal fat most commonly used for deep frying but also for other applications as well.

The cooking oil can be recycled for biodiesel, soap, aromatherapy, animal feed supplements and lubricants.

## ELECTRONICS

Douglas County accepts office type electronic items including computers, printers, hubs, routers, switches, copiers, fax machines, cell phones, desk phones, UPS, rechargeable batteries, cables, etc..

## TV SETS, RADIOS, MICROWAVE OVENS, RADIOS, CLOCKS, COMPUTER MONITORS ARE NOT ACCEPTED.

## GLASS

Glass is unique in the sense that one 12 ounce glass bottle can be melted down and remade into another 12 ounce bottle without any loss of quality.

Glass containers are 100% recyclable. Approximately 41 billion glass containers are produced in the United States each year. Glass containers make up approximately 4% of the waste stream by weight and 1% by volume.

The recycling rate for glass containers is 31% or more than 13 containers each year. The amount of glass recycled has increased by 95% since 1987.

It is important to separate glass containers by color—clear, green, and brown—at the point of recycling. Always remember window glass, light bulbs, ceramic cups and plates, mirrors, and drinking glasses are not acceptable and can contaminate an entire recycling load.

## MIXED PAPER AND CARDBOARD

Paper, in general makes up approximately 40% of our nations solid waste stream and is becoming one of the most popular and easiest products to recycle. Newspaper specifically is the most popular paper product for households to recycle. The average American home produces 28 pounds of newspaper each month. Nationally, about 35 percent of newspaper is recovered and recycled. The industry is eyeing a recycling rate of about 65% by the year 2009. Paper recycling is a very popular fund raiser among organizations.

For every ton of newspaper recycled, 3.3 cubic yards of landfill space are saved. A 50% recycling rate for newspaper would extend the life of a landfill by one year.

By volume, cardboard is the largest paper item collected and recycled, constituting about 40% of all paper recycled. The future for recycling cardboard is very promising.

Office paper, magazines, junk mail, computer paper, paperback books, and telephone books are also gaining popularity in the world of recycling. Adding these items to a recycling program further reduces the amount of waste entering into landfills.

All paper products can be recycled back into other paper products, including newspapers, phone books, greeting cards, and even as insulation.

## PRINTER – COPIER TONER CARTRIDGES

The toner cartridges can be re-used for their original intent a minimum of one time. The cartridges are collected at the Douglas County Animal Shelter located adjacent to the Cedar Mountain Landfill.

## PROPANE TANKS

Propane tanks are accepted, reconditioned and certified for re-use.

If the tank is not acceptable for re-use it will be recycled as a scrap metal product.

## SCRAP METAL AND APPLIANCES

Scrap metal is found in many forms and fashions, from tin cans and empty paint pails to car parts and appliances. As a rule if you can stick a magnet to it, the item can be recycled. Producing steel from scrap saves energy as well as landfill space.

Some recycling centers may charge a fee for appliance drop-off. The extra charge usually applies to washers, dryers, water heaters, dishwashers, stoves, ovens, air conditioners, refrigerators, and freezers. The Cedar Mountain Recycling Center only charges for freon based items.

## SMALL ENGINE TYPE ITEMS

Small engine powered units (lawn mowers, tillers, go carts, etc.) can often be repaired and re-used for their original intent. Those units that can not be for re-use are designated as scrap metal and recycled as such.

## TIRES

Scrap tires present a unique disposal and recycling challenge because of their size, shape, and chemical nature. Tires are labeled as a hazardous waste and are not accepted by garbage haulers and landfills. Some landfills such as the Cedar Mountain Landfill in Douglas County will accept tires for a fee of \$5.00 for passenger and light truck tires and \$15.00 for heavy truck tires. Scrap tires do not decompose and are breeding grounds for mosquitoes and disease. Proper disposal is important. Dumping tires in a landfill or elsewhere in the State of Georgia is against the law.

## USED PETROLEUM TYPE OIL

A complete collection program of used motor oil is still a big challenge for communities across the United States. It is estimated that half of the oil from do-it yourselfers is put in the garbage, poured on the ground or poured in the sewer system. Douglas County collects used oil for recycling and re-use.

**Solut** act your regional Environmental Protection Division office for more information on landfill specially designed for these items.

### Waste Matters

The Douglas County Cedar Mountain Landfill accepts non-resident waste for transfer only. (Non resident rates apply) Proof of residency is required for all customers.

The Cedar Mountain Landfill is open 8:00am - 5:00pm Monday through Saturday. All loads requiring weighing in and out must be weighed in by 4:30pm.

The landfill is located at 1730 County Services Rd. Douglasville, Ga. 30134. Phone 770-920-3133 770-920-4937

The Georgia Environmental Protection Division permits the Cedar Mountain Landfill.

|                                   |                      |
|-----------------------------------|----------------------|
| Household Garbage (under 500 lbs) | \$7.00 load          |
| Household Garbage w/ recycling    | \$5.00 load          |
| Commercial Garbage                | \$39.00 ton          |
| Construction-Demolition Material  | \$35.00 ton          |
| Vegetative Waste (no other waste) | \$33.00 ton          |
| Tires up to 17" diameter          | \$5.00 ea.           |
| Tires above 18" diameter          | \$15.00 ea.          |
| Freon-loaded items                | \$16.00 ea.          |
| Non-Resident                      | \$18.00/\$45.00 ton. |

The following items are not accepted for disposal at the Cedar Mountain Landfill: liquid wastes, biomedical waste, radioactive waste, hazardous waste, PCB waste.

The following items are not accepted for disposal, but may be recycled at the landfill (there may be a charge for some items): Lead acid batteries, tires, freon-loaded items and vegetative waste. **Vegetative waste has been banned from landfills across Georgia.**

All yard waste must be separated from other waste. Loads not separated may be rejected from dumping. Clean yard waste will be charged at \$1.65 / 100 lbs. If there are other items in the vehicle, which will be disposed, such as household garbage, the entire load will be charged at \$1.95 / 100 lbs.

Items, which can be recycled at the landfill at no cost, include: scrap metal, motor oil, auto batteries, aluminum cans, glass, Electronics, Vegetable Oil, Propane Tanks and mixed paper products.

All vegetative waste received at the landfill is chipped or composted. The resulting wood chips and mulch are available free of charge to residents at the landfill.

Open burning is banned in Douglas County each year from May 1 until September 30. This includes the burning of garbage and all vegetative waste (grass, leaves, clippings and other yard residuals).

All loads must be covered and secured. Uncovered loads, littering, illegal dumping, and scavenging are strictly prohibited in Douglas County. Violators will be prosecuted.

### OPERATIONS AT THE CEDAR MOUNTAIN LANDFILL

Public landfills across Georgia are closing at an alarming rate and many changes are in store for this Landfill in the future as the Environmental Protection Division maintains a tighter grip on solid waste facilities.

The Cedar Mountain Landfill is unique in the fact that not one single tax dollar is spent at its facilities. All past, present and future costs of the Landfill are supplemented by the fees paid by each customer at the scale house and from the sale of recyclable materials.

The \$39.00 per ton commercial tipping fee is a very reasonable fee for garbage disposal. Studies by the Atlanta Regional Commission show that Douglas County tipping fees are about the average for disposal facilities in the Atlanta area.

### WHERE DOES OUR TIPPING FEE GO?

The Cedar Mountain Landfill services thousands of citizens and commercial accounts each month, with almost all of the money generated going to the Landfill Enterprise Fund (a small portion is returned to the Douglas County's General Fund).

The Landfill Enterprise Fund is responsible for all expenses incurred at the Cedar Mountain facility such as future landfill space development, construction, all operating expenses (salaries, insurance, equipment purchases and maintenance, office supplies, etc.), landfill closure expenses and 30 years of post-closure monitoring.

The percentage breakdown for every \$1.00 collected at the Cedar Mountain Landfill in Douglas is as follows:

|                    |             |
|--------------------|-------------|
| Development Costs  | 3%          |
| Construction Costs | 20%         |
| Operating Costs    | 63%         |
| Closure Costs      | 5%          |
| Post-Closure Costs | 2%          |
| <b>Total</b>       | <b>100%</b> |

Closure costs are incurred once the landfill is completely filled. Closure includes capping the landfill with two feet of clay and six inches of topsoil before covering with grass.

Post closure costs include maintaining and monitoring the landfill for a period of 30 years. The groundwater monitoring wells are used as an early-warning system to detect the possible, but unlikely groundwater contamination.

### LOADING YOUR VEHICLE

Proper loading of the vehicle is very important for the use of the Landfill facilities. All recyclable items should be able to be unloaded first. Next should be all household garbage, considered to be kitchen, bathroom or bedroom garbage. All non-household garbage, both residential and commercial should be loaded last. Yard waste should be separated from the rest of the load and taken to the proper area.

# CEDAR MOUNTAIN LANDFILL



## Douglas County Cedar Mountain Landfill

Landfill Enterprise Fund  
1730 County Services Rd.  
Douglasville, Ga. 30134

770-920-3133  
770-920-4937

Hours of Operation  
Monday - Saturday 8:00 am. - 5:00 pm.\*  
Scales close at 4:30pm.  
Closed Sunday

## THE HISTORY OF LANDFILLS

Over the last decade, landfills have undergone many dramatic changes. The dug out pits, or what we called dumps, were left open for people to dispose of their throw away items. Today, landfills are engineered and designed facilities.

Starting in 1998, many new requirements were placed into effect, including lining the area with two feet of clay and a thick plastic liner and treating any water collected by it. All of these requirements are regulated by the Georgia Department of Natural Resources Environmental Protection Division (EPD), which also permits and inspects each landfill in the state.

After a landfill has been filled to capacity, it is capped with two feet of clay and six inches of topsoil before it is graded at time of "closure". For the next 30 years, Douglas County will be responsible for maintaining the cover and monitoring more than 100 different chemicals in the monitoring wells which are used as an early warning for possible, but unlikely, contamination.

Once a customer is done with an item and decides to dispose of it, that is only the beginning of its end. The Douglas County Landfill becomes the responsible owner and must maintain compliance with many state guidelines that govern landfills for many, many years. As a customer, you are paying for that long-term period that makes landfills protect human health and the environment, as well as paying for future landfills.

It is in the best interest of all citizens, to do a better job of handling waste before it goes into the landfill by reducing what we use and recycling when we can.

## RECYCLING AND ITS IMPORTANCE

Recycling is becoming more important as municipalities seek ways to reduce the amount of waste going into landfills. Douglas County is no exception and the landfill has taken great strides to make recycling both easy and beneficial. Douglas County has been mandated by the State of Georgia to reduce the amount of waste entering the Cedar Mountain Landfill by 25%. Recycling is one of many efforts aimed at meeting that goal.

Recycling of the following items at the Recycling Center is free: scrap metal and appliances, aluminum cans, motor oil, lead acid batteries, mixed paper products, small engine units, cooking oil, propane tanks, glass jars and bottles. The recycling center also accepts scrap tires, plastic, mattresses, electronics and freon loaded appliances such as refrigerators, freezers, and air conditioners, but a fee is charged for each item.

Vegetative waste, including yard trimmings, limbs, grass clippings, stumps, trees, branches and garden residuals are also being recycled. These items are banned from being buried in the landfill, but will be diverted to a separate area and chipped. The resulting wood chips and mulch may be hauled away, free of charge, by Douglas County residents. The vegetative waste must not be in plastic bags and must be clean and not mixed with lumber, garbage and other items. There is a fee charged for the disposal of vegetative waste. (See fee schedule).

The Recycling Center also accepts re-use items for collection by non-profit organization such as Goodwill and Salvation Army.

## YOU ONLY PAY FOR L

## U THROW AWAY

The reasons for waste separation are many, but the most important being you should only pay for what you throw away. You should not be charged for any recycling.

Upon entering the Landfill, you will be directed to the Scale House where it will be determined what is being carried on your vehicle.

If you have recyclables only, you will be directed to the Recycling Center.

If you have household garbage or household garbage with recyclables, you will pay the clerk and be directed to the proper location.

If you have commercial garbage or any non-household garbage, including yard waste or construction debris, you will be asked to have your vehicle weighed before you unload and after you unload.

If you have recycling along with your commercial or non-household garbage, you will be asked to unload those items before weighing in. In this way, you will not be charged for these items.

If you are asked to weigh in and weigh out, the computer will figure the difference between the two weights and generate the appropriate fee.

**Recycling: (No Charge)** Metal, appliances, motor oil, mixed paper, aluminum cans, glass, Electronics, Vegetable Oil, Propane Tanks, small engine units, Re-Use item, copier, and auto batteries, plastics(bags, bottles, & jugs only).

**Tires:** up to 17" diameter \$5.00 ea.  
**Tires:** above 17" in diameter \$15.00 ea.  
**Freon-loaded Items:** \$16.00 ea.  
**Mattress/Box springs:** \$5.00

**Household Trash (under 500 lbs)**

Douglas County Residents \$7.00  
Residents w/ recycling \$5.00  
Non Residents \$18.00 up to 500lbs  
Non residents over 500lbs plus \$45.00 Ton

Household trash includes daily waste produced inside the home. It does not include any type of construction material or carpet.

**Household Trash (over 500 lbs)**  
Commercial \$39.00 Ton

**Construction Demolition Material** \$35.00 Ton  
(Non-household trash including residential and commercial construction materials, remodeling materials, carpet, roofing shingles, etc.)

**Vegetative Waste:** \$33.00 Ton

Includes yard waste, tree trimmings, grass clippings, branches, limbs, etc. Vegetative waste must be "clean" and not mixed with other trash.

## ACCEPTABLE AND NON-ACCEPTABLE ITEMS

The Environmental Protection Division of the Georgia Department of Natural Resources has banned a number of items from landfills across Georgia, including Douglas County's Cedar Mountain Landfill. These items include the following:

**Vegetative Waste:** Effective Sept. 1, 1996, as stated by EPD, "solid waste management authority shall impose restrictions on yard trimmings which are generated in or may be ultimately be disposed of in its area of jurisdiction."

**Solution:** The Cedar Mountain Landfill will still allow citizens to bring yard trimmings, etc., but the trimmings must be separated from the rest of the waste in each load. Loads will be rejected and turned away if trash and yard waste are mixed together. The yard waste will be diverted to a separate area where it will be chipped.

**Lead Acid Batteries:** This includes automobile and boat batteries.

**Solution:** The Cedar Mountain Landfill's Recycling Center accepts lead acid batteries for recycling.

**Liquid Wastes:** All liquids are prohibited from landfills, including paint and automobile fluids.

**Solution:** Motor oil is accepted at the Recycling Center, but all other items must be handled separately. Other items may be acceptable as solids. Pouring paint and allowing it to dry on cardboard or old carpet will make it acceptable for disposal. Mixing paint and other liquids with kitty litter or other absorbing material may also form an acceptable solid.

**Tires:** Tires are considered a hazardous waste and may not be disposed of in a landfill.

**Solution:** Douglas County does offer scrap tire recycling at its Recycling Center. There is, however, a charge for this service. Tires must be separated from rims. See Fee Schedule.

**Freon-loaded items:** Air conditioners, freezers, refrigerators, water fountains and drink machines are all items, which contain freon and may not be disposed of in landfills.

**Solution:** The EPA's Clean Air Act requires the freon to be reclaimed from these items. The Cedar Mountain Landfill must pay a certified recovery agent to perform this service. This charge is passed on to the customer disposing of each item. See Fee Schedule.

**Biomedical Waste, Radioactive, Hazardous and PCB Wastes:** These wastes are not acceptable for disposal at the Cedar Mountain Landfill and must be specially handled.

## **SECTION 4 - WASTE REDUCTION ELEMENT**

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4. Expand public education programs for source reduction through posters, media campaigns, weekly newspaper columns and radio announcements.

### **4.3 REDUCTION/REUSE**

In an effort to meet the State of Georgia's waste reduction goal, Douglas County currently has two (2) recycling/convenience centers as described above. Private haulers should be encouraged to provide recycling services to their customers.

### **4.4 COMPOSTING/MULCHING**

Douglas County currently offers a vegetative waste chipping operation at the Cedar Mountain Construction Demolition Landfill. However, the County should consider expanding their composting operations as composting operations are environmentally and ecologically beneficial. By returning yard waste and organic materials back into rich humus, the amount of solid waste material going into landfills is decreased.

The County should encourage, through publications (i.e. brochures), all homeowners who have access to an appropriate area to produce their own compost. Instruction on home composting is readily available from the county extension agent's office. The County could also partner with a home improvement store to conduct composting how to clinics.

## **SECTION 5 - LAND LIMITATIONS**

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### **5.1 WATER RESOURCES**

The Georgia Department of Natural Resources Environmental Protection Department (GDNR-EPD) requires that a new solid waste landfill must have synthetic liners and leachate collection systems if it is located within any of the following areas: a small watershed, groundwater recharge areas, and/or adjacent to wetlands as defined by the United States Army Corps of Engineers. In addition, the GDNR-EPD prohibits the construction of new solid waste landfills within protected river corridors or within the limits of the one hundred (100) year flood plain that restricts the flow of a one hundred (100) year flood, reduces the temporary water storage capacity of the floodplain, or results in a washout of the existing landfill. Therefore, should the Douglas County Solid Waste Authority ever wish to construct a new solid waste landfill within the county, the criteria in this section would be needed to help locate the proposed landfill.

Douglas County is characterized by a series of broad to narrow, gently sloping ridge tops and moderately steep hillsides adjacent to numerous, small drainage ways that dissect the county. The County has taken several steps to protect its water resources. They have developed a Green Space Plan that aims at setting aside twenty percent (20%) of its landmass in permanent open space. The County has adopted a River Corridor Protection Plan for the Chattahoochee River Corridor that meets the requirements of the Mountain and River Corridor Protection Act of 1991. The County's UDC has also adopted environmental over-lay districts for Groundwater Recharge Areas, Wetlands, and Watersheds. In addition, larger stream buffers than currently required by the State of Georgia have been adopted for all watershed districts. Please see Figure 5.1.1 - Water Resources Map.

#### **5.1.1 WATERSHEDS**

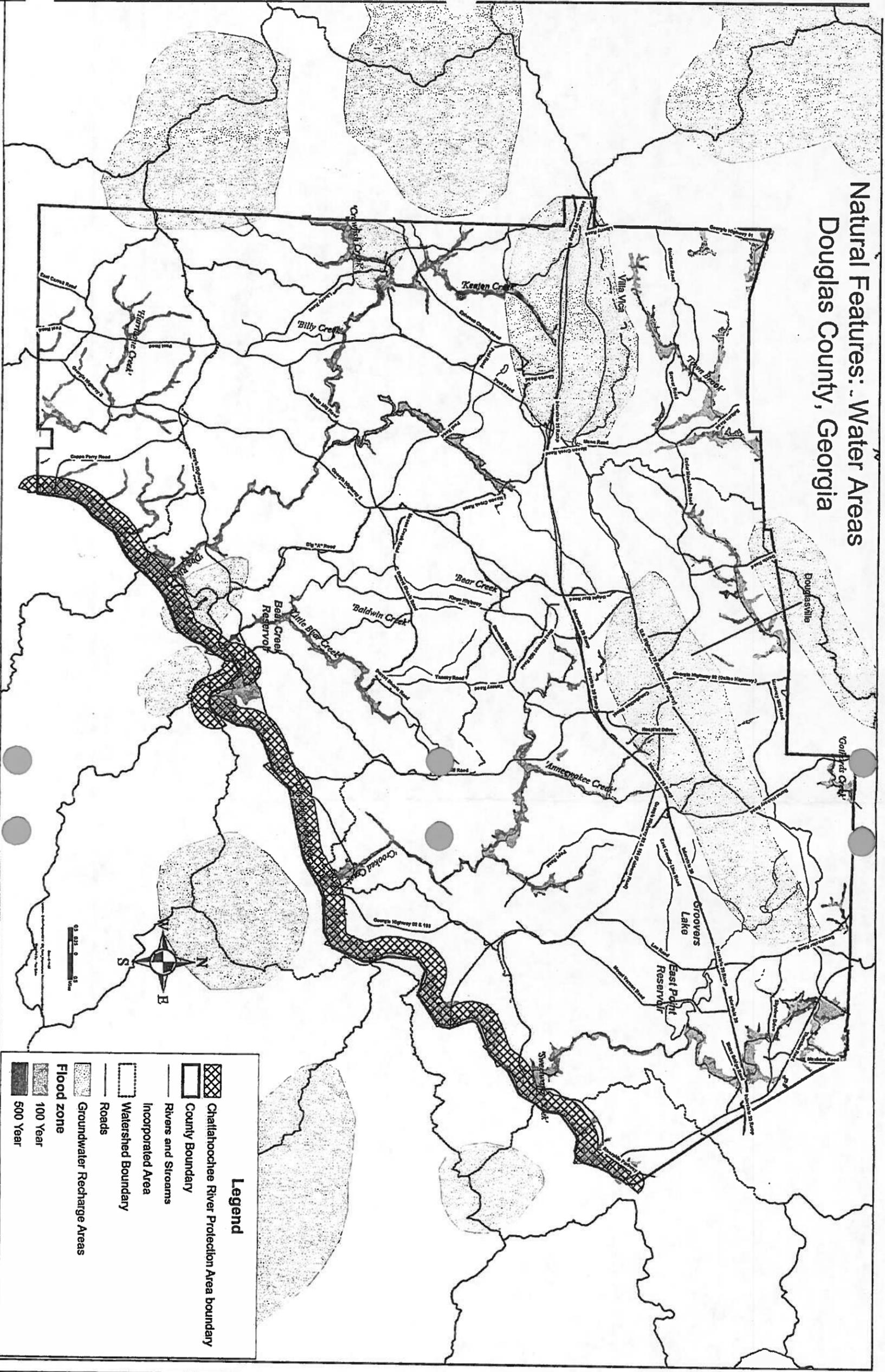
The Wetlands Heritage of Georgia defines a watershed as an area of land drained by the same brook, stream, creek, or river. Precipitation that is not immediately absorbed by the soil, detained by lakes or ponds, or siphoned off for man-made uses drains into streams, rivers, or lakes at the lowest area of the drainage basin. A drainage basin is the total area drained by a major surface water formation.

The State of Georgia has passed legislation setting minimum buffer requirements and impervious surface limitations to reduce the environment impacts of storm water runoff and soil erosion. Watershed protection measures have been adopted as part of the Douglas County Unified Development Code (UDC) that are more restrictive than GDNR-EPD's minimum standards.

#### **5.1.2 GROUNDWATER RECHARGE**

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. The water in the fully saturated portion of the aquifer is called groundwater. Groundwater comprises more than thirty (30) times the amount of water than all of the rivers, lakes, and streams of the world. The surface region over which an aquifer collects is called a groundwater recharge area. Groundwater recharge areas

# Natural Features: Water Areas Douglas County, Georgia



ATLANTIC COAST  
CONSULTING, INC.  
630 Colonial Park Drive  
Suite 110  
Roswell, GA 30075  
o 770.594.5998  
f 770.594.5967  
www.atcc.net

Map Adapted from  
Douglas County  
Geographic Information  
Systems Department  
Map

Figure 5.1.1  
Douglas County Water Resources  
Douglas County SWMP Update

## **SECTION 5 - LAND LIMITATIONS**

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are areas where the slope is less than eight percent (8%), and two (2) or more rock types contact each other within a four (4) square mile (4 sq. mi) area. Recharging of groundwater occurs by the seeping of precipitation through porous rock and openings in exposed rock. Geologic conditions determine the size and amount of recharge in a particular area.

Due to the non-porous underlying rock structure in Douglas County, groundwater recharge areas have been identified as having "low-pollution susceptibility" by the GDNR-EPD. According to data provided by the Georgia Department of Natural Resources on the Ground-Water Pollution Susceptibility Map of Georgia, Hydrologic Atlas 18, 1999 Edition, Douglas County contains several significant groundwater recharge areas. The Hydrologic Atlas 18, 1999 Edition, delineates four (4) groundwater recharge areas in Douglas County.

### **5.1.3 RIVERSHEDS & FLOODPLAINS**

The Chattahoochee River collects all of the Douglas County run-off. The majority of the County slopes southeast towards the river. However, a small portion of the County, about twenty percent (20%), slopes towards the northeast, draining to Sweetwater Creek, which is a tributary of the Chattahoochee. In most places, the top of the ridge that separates these two (2) drainage basins is nearly twelve hundred feet (1,200') above sea level. The ridge extends from Lithia Springs in the northeast through Douglasville and Winston and westward to the county line. The lowest point in the county, about seven hundred feet (700') above sea level, is the area where the Chattahoochee River leaves Douglas County.

The majority of the upland areas are well drained by one of the many branching creeks or intermittent streams which all drain to the Chattahoochee River. Most of the upland areas are gently sloping or rolling, but some of the areas along drainage ways have strong slopes.

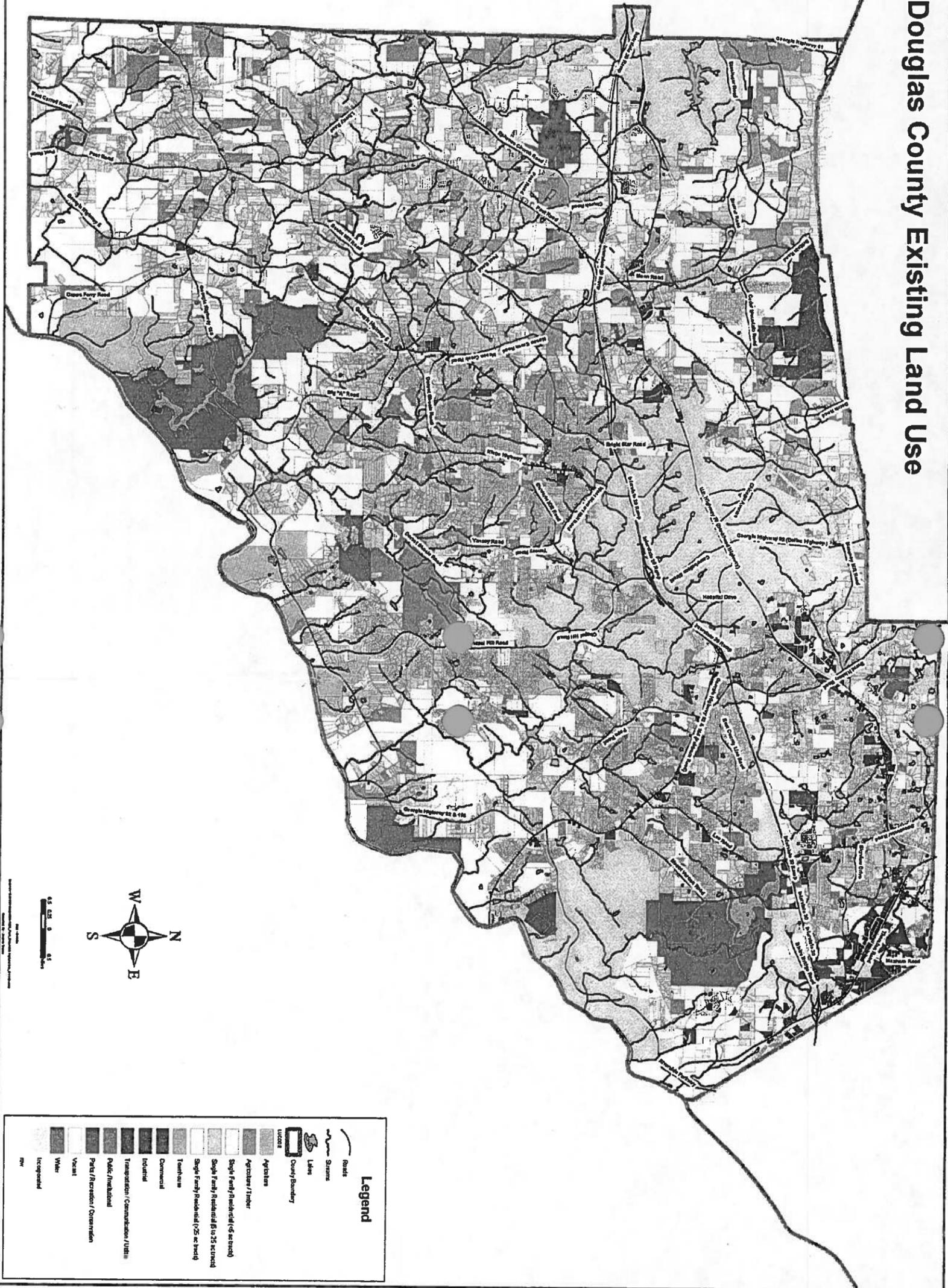
### **5.2 WETLANDS**

Wetlands serve as important fish and wildlife habitats and breeding ground, and are an integral factor in food chain production. Numerous plant and animal species have adapted to the special conditions of freshwater wetlands and cannot survive elsewhere. Wetlands serve as storage areas for flood protection/control, erosion control, water quality maintenance, and groundwater recharge, supply and recreation opportunities. Wetlands generally include swamps, marshes, bogs and similar areas. Douglas County's wetlands can be found along major creeks, rivers, and lakes, usually within their respective flood plains.

### **5.3 LAND USE AND ZONING**

The Douglas County zoning will only permit landfills to be constructed in certain parts of the county. Figure 5.3.1 shows the current land use and zoning regulations for Douglas County.

# Douglas County Existing Land Use



**Legend**

- Roads
- ~ Streams
- Lakes
- County Boundary
- Unincorporated
- Agriculture / Timber
- Single Family Residential (5+ acres)
- Single Family Residential (1/2 to 2 1/2 acres)
- Single Family Residential (1/25 to 1/2 acre)
- Townhouse
- Commercial
- Industrial
- Transportation (Communication / Utility)
- Public / Institutional
- Parks / Recreation / Open Space
- Vacant
- Water
- Incorporated
- Unincorporated



ATLANTIC COAST  
CONSULTING, INC.  
630 Colonial Park Drive  
Suite 110  
Roswell, GA 30075  
o 770.594.5998  
f 770.594.5967  
www.atloc.net

Map Adapted from  
Douglas County  
Geographic Information  
Systems Department  
Map

Figure 5.3.1  
Douglas County Existing Land Use  
Douglas County SWMP Update

## **SECTION 5 - LAND LIMITATIONS**

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### **5.4 TOPOGRAPHY/STEEP SLOPES**

The GDNR-EPD requires that proposed solid waste landfills, or the expansion of existing solid waste landfills in unstable or steep slope areas, must demonstrate through engineering methods that the structural integrity of the landfill will not be compromised by the unstable areas or steep slopes. Therefore, please see Figure 5.4.1, Douglas County Steep Slope Map for the locations of steep slope areas.

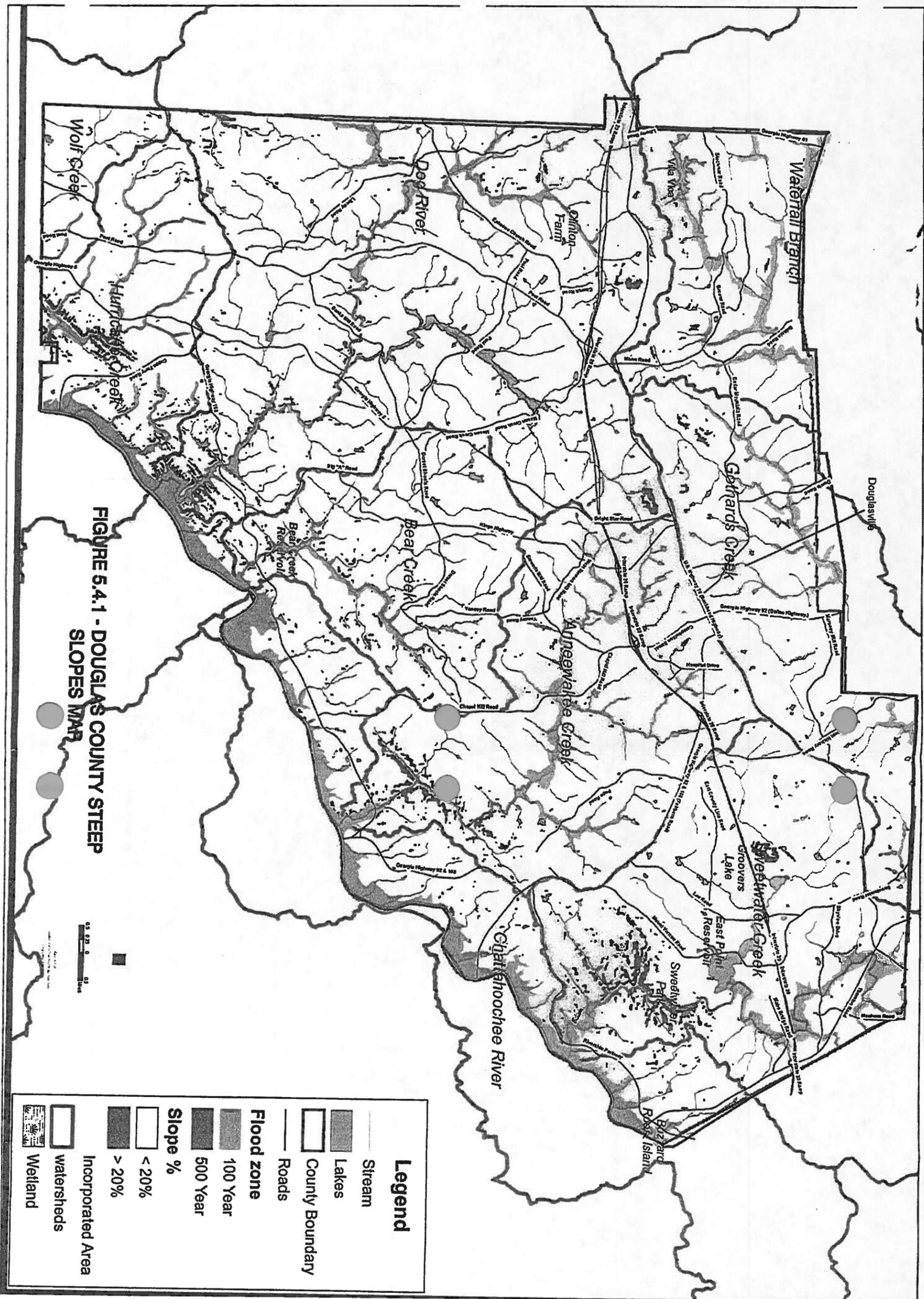
Douglas County is located primarily within the Northern or Upland Piedmont Province with the eastern edge of the County along the Chattahoochee River located in the Gainesville Ridges. The Upland Piedmont Province is a broad plain that is dissected by streams. Average elevation is five hundred feet (500') to fifteen hundred feet (1,500') above sea level.

As stated earlier, the entire Piedmont Province, including Douglas County, drains to the Chattahoochee River. Most of the county slopes southeast to the Chattahoochee River, but approximately twenty percent (20%) of the County slopes northwest and drains into Sweetwater Creek and then into the Chattahoochee River. Almost all of the upland areas of Douglas County are well drained by one of the many branching creeks or intermittent streams. These areas are gently sloping or rolling, but some of the areas along drainage ways have steep slopes.

### **5.5 LOCAL GOVERNMENT APPROVALS**

All proposed solid waste facilities or expansions of existing facilities shall meet the requirements of Section 351 of the UDC of Douglas County. No proposed facility or facility expansion will be sited in the planning area without a letter from the Douglas County Board of Commissioners stating that the proposed facility is consistent with the Solid Waste Management Plan (SWMP). To determine if a proposed facility or facility expansion is consistent with the plan, an owner/operator of the facility shall:

- A. At least sixty (60) days prior to filing for a solid waste handling or construction and demolition (C&D) permit, or notifying the EPD in the case of a solid waste handling facility that is permitted by rule, submit to the local governing authority a written statement documenting the following:
  1. How the proposed facility or facility expansion will meet the specific goals and/or needs identified in the SWMP, specifically what will be:
    - a. the impact upon the collection capability within the planning area;
    - b. the impact upon disposal capacity identified in the planning area;
    - c. the impact to the waste reduction recycling efforts within the planning area; specifically, how the proposed facility or facility expansion will further progress toward achieving the State's waste disposal reduction goal; and
    - d. the impact on underserved geographic areas and segments of Douglas County such as individual, businesses, and/or waste types (residential, industrial/commercial, C&D, inert) as identified in the SWMP.



**FIGURE 5.4.1 - DOUGLAS COUNTY STEEP SLOPES MAP**

0 0.25 0.5 1 Miles

**Legend**

- Stream
- Lakes
- County Boundary
- Roads
- Flood zone
  - 100 Year
  - 500 Year
- Slope %
  - < 20%
  - > 20%
- Incorporated Area
- watersheds
- Wetland

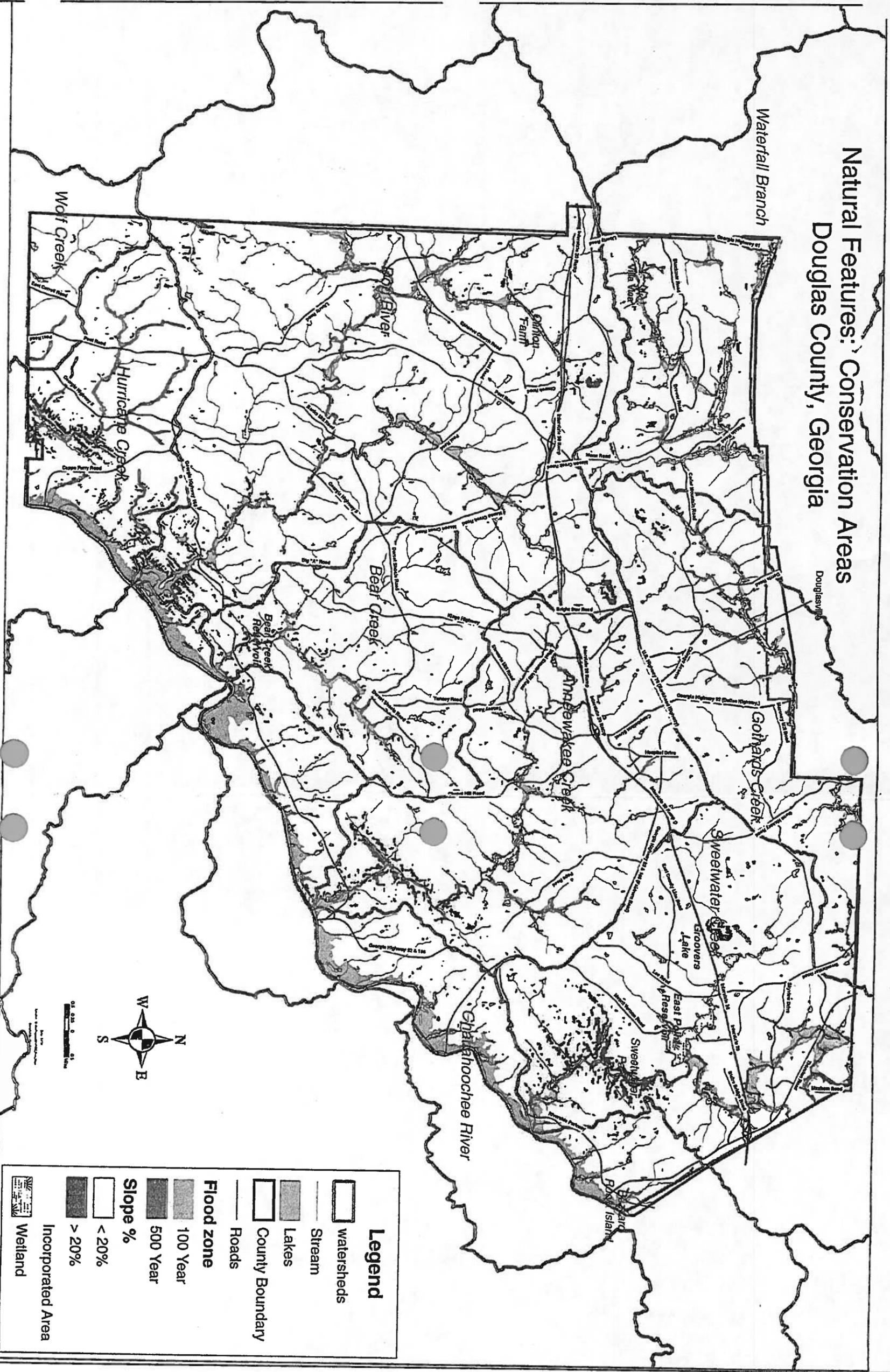


**ATLANTIC COAST CONSULTING, INC.**  
 630 Colonial Park Drive  
 Suite 110  
 Roswell, GA 30075  
 o 770.594.5998  
 f 770.594.5967  
 www.atloc.net

Map Adapted from  
 Douglas County  
 Geographic Information  
 Systems Department  
 Map

# Natural Features: Conservation Areas Douglas County, Georgia

Douglasville



**Legend**

- watersheds
- Stream
- Lakes
- County Boundary
- Roads
- Flood zone**
  - 100 Year
  - 500 Year
- Slope %**
  - < 20%
  - > 20%
- Incorporated Area
- Wetland

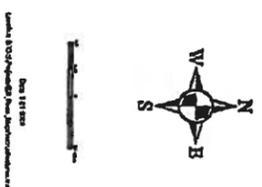
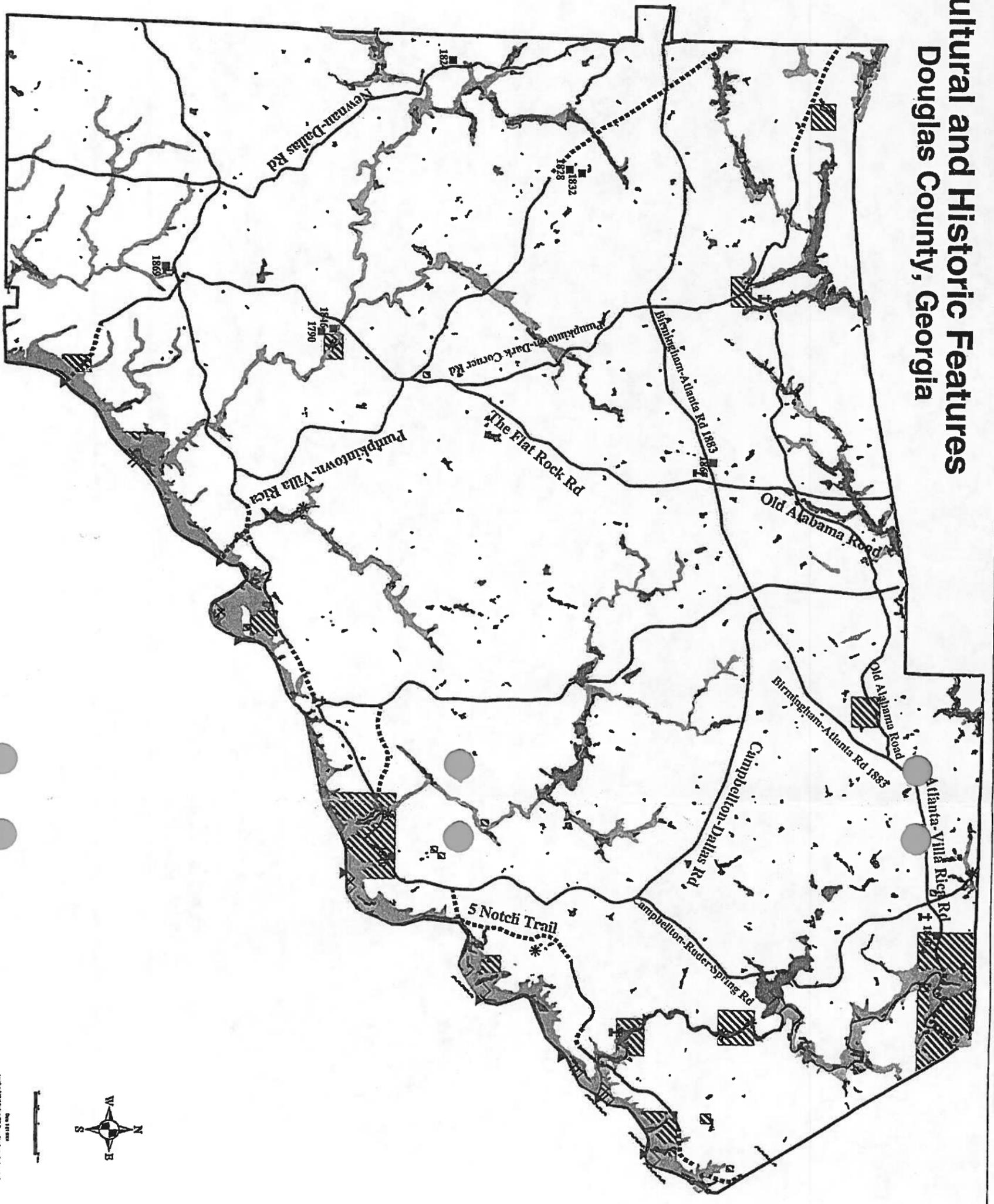


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Map Adapted from  
Douglas County  
Geographic Information  
Systems Department  
Map

Figure 5.5.1  
Douglas County Conservation Areas  
Douglas County SWMP Update

# Cultural and Historic Features Douglas County, Georgia



| Legend |                    |
|--------|--------------------|
| ⊥      | Cemeteries         |
| >      | Mounds             |
| ■      | Houses             |
| *      | Mills              |
| ▲      | Ferries            |
| —      | Road               |
| .....  | Trail              |
| ~~~~~  | Trenches and Works |
| ▨      | Spanish            |
| ▩      | Prehistoric        |
| ▧      | Civil War          |
| □      | countyline         |
| ■      | Wellands           |
| ■      | Incorporated Area  |



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Map Adapted from  
Douglas County  
Geographic Information  
Systems Department  
Map

Figure 5.5.2  
Douglas County Cultural and  
Historic Features  
Douglas County SWMP Update

## **SECTION 5 - LAND LIMITATIONS**

---

2. How the proposed facility or facility expansion and its operation will impact the community; specifically, what will be:
  - a. the impact to vehicle traffic and public safety around the proposed facility and throughout the planning area;
  - b. the impact to the financial viability of the existing solid waste management system within the planning area;
  - c. the impact to individual and business solid waste management rates;
  - d. the impact of the proposed facility or facility expansion to other natural or cultural resources within the planning area (Figures 5.5.1 and 5.5.2);
  - e. the impact of the proposed facility or facility expansion to the current solid waste management infrastructure within the planning area, both public and private.
3. How the owner/operator of the proposed facility (and any subsequent owner/operator is sold) will satisfy the financial assurance provisions of the plan and local ordinances.
4. That the proper public notification process was followed, to include a public hearing and notification of all adjacent property owners.
5. That the proposed facility or facility expansion is sited in an area deemed suitable according to the criteria listed in the plan.
6. That the proposed facility or facility expansion is sited in a location that is consistent with local zoning ordinances.
7. The Governing Authority shall review the "Written Statement of Consistency" and shall determine if the proposed facility or facility expansion is consistent with the SWMP. Within thirty (30) days of making their determination the Board of Commissioners shall notify the developer whether or not the proposed facility is consistent with the SWMP. If the proposed facility is not consistent with the SWMP, then the developer may address the inconsistencies and resubmit their request for another review.

As mentioned in earlier sections, if the County elects to move forward in the future with either expansion of the Cedar Mountain Road landfill to develop new MSW or C&D landfill cells on the existing property, the expansion would be consistent with this SWMP. Similarly, any expansion of the existing transfer station or development of a new Materials Recovery Facility or Compost operation on the property would be consistent with this SWMP. The existing inert landfills and other solid waste facilities are also consistent with this SWMP.

## **SECTION 6 - CONCLUSIONS AND RECOMMENDATIONS**

---

### **6.1 SOLID WASTE COLLECTION & DISPOSAL**

Douglas County has a goal to ensure the efficient and effective solid waste collection for the next ten (10) years. There is a need within the County for all residents in unincorporated areas to have the opportunity for both solid waste and recyclable collection service at their dwellings. The development of private collection/haul routes needs to be operated in a way to keep the County free from roadside litter and illegal dumping.

It is believed that residents who do not currently have garbage collection service from private haulers would be more likely recycle if they did have a collection service that not only collected their municipal waste, but also provided recycling separation and pick-up.

As the County continues its fast past growth, the number of daily commuters on county roads will only increase. This anticipated increase in commuter traffic, raises a serious concern for illegal dumping of municipal solid waste. As a result of the County's growth, the Code Enforcement Officer's caseload can be expected to exponentially increase over the next ten (10) years. Therefore, the County should begin to budget for additional personnel.

### **6.2 WASTE REDUCTION**

In order to continue to reduce Douglas County's waste disposal rate, the residents of Douglas County need to be educated on the importance of natural resources, conservation and the benefits of recycling. While there are currently various education programs offered through schools, churches, etc., these programs need to be expanded and refined in order to reach more residents. Most importantly, private haulers should be required to offer recycling services to their customers.

### **6.3 LAND LIMITATIONS**

Douglas County has a goal to ensure that proposed solid waste handling facilities are located in areas suitable for such developments, are compatible with surrounding uses, and are not considered for location in areas which have been identified by the community or region as having environmental or other development or land use limitations. Anyone wishing to site a new solid waste facility in Douglas County must follow the requirements set forth in this plan and the facilities shall not be located in areas that are restricted by the land use limitations presented in this plan, state and federal regulations, and Douglas County's land use and zoning ordinances.



**RESOLUTION NO.: 11-25**

**RESOLUTION FOR DOUGLAS COUNTY LANDFILL EXPANSION**

**STATE OF GEORGIA**

**COUNTY OF PAULDING**

**WHEREAS, Douglas County desires to expand the existing Douglas County Cedar Mountain Landfill and;**

**WHEREAS, Douglas County and Paulding County are located adjacent to each other with a common boundary line running in a easterly and westerly direction and;**

**WHEREAS, Douglas County accepts waste for disposal from Paulding County and;**

**WHEREAS, Douglas County is required by the Georgia Department of Natural Resources Environmental Protection Division to obtain permission from the governing authority of Paulding County to permit a landfill within one-half mile of the Paulding County Line and;**

**WHEREAS, Douglas County Landfill will provide a buffer 500 feet of the northernmost portion of the Douglas County landfill property boundary line even though only 200 feet is required by EPD and;**

**WHEREAS, All permitting, planning, construction, operations, closure, and post closure activities are regulated by the Georgia Department of Natural Resources Environmental Protection Division and;**

**WHEREAS, Douglas County and Paulding County agree that this landfill expansion is a viable future disposal option that is advantageous to both counties;**

**WHEREAS, In consideration of Paulding County's granting express approval as required by the Georgia Department of Natural Resources Environmental Protection Division for the expansion, Paulding County residents shall receive Douglas County waste disposal rates and fees when using the Douglas County Cedar Mountain Landfill.**

**NOW THEREFORE, be it resolved that the Paulding County Board of Commissioners does hereby grant express permission to Douglas County to expand the Douglas County Cedar Mountain Landfill to within one-half mile of the Paulding County Line, but no closer than five hundred feet of the northernmost portion of the Douglas County Cedar Mountain Landfill Property Boundary,**

SO RESOLVED THIS 15<sup>th</sup> DAY OF September, 2011.

VOTE ON RESOLUTION

|                       | <u>Yes</u> | <u>No</u> | <u>Abstain/Absent</u> |
|-----------------------|------------|-----------|-----------------------|
| Chairman David Austin | <u>✓</u>   | <u>—</u>  | <u>—</u>              |
| Post 1 Larry Ragsdale | <u>✓</u>   | <u>—</u>  | <u>—</u>              |
| Post 2 Todd Powriall  | <u>✓</u>   | <u>—</u>  | <u>—</u>              |
| Post 3 Tommie Graham  | <u>✓</u>   | <u>—</u>  | <u>—</u>              |
| Post 4 David Barnett  | <u>✓</u>   | <u>—</u>  | <u>—</u>              |

ATTEST:

Pat White  
Clerk, Paulding County Board of Commissioners

**APPENDIX B - SHORT TERM WORK PLAN PROGRAM**

| Project or Activity   | 2010 |  |  |  |  | 2011 |  |  |  |  | 2012 |  |  |  |  | 2013 |  |  |  |  | 2014      |                      |         |  |  | Responsible Party | Cost Estimate     | Funding Source |
|---|------|--|--|--|--|------|--|--|--|--|------|--|--|--|--|------|--|--|--|--|-----------|----------------------|---------|--|--|-------------------|-------------------|----------------|
|   |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |           |                      |         |  |  |                   |                   |                |
| <b>WASTE COLLECTION</b>   |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |           |                      |         |  |  |                   |                   |                |
| Continue collection operations at the Cedar Mt Landfill and at the Camp Road Drop-off Center  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X         |                      |         |  |  | County            | \$90,000 per year | County         |
| Continue private collections in the county & expand service where feasible (i.e. private hauler)  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | Residents | \$20 per month       | Private |  |  |                   |                   |                |
| <b>WASTE DISPOSAL</b>   |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |           |                      |         |  |  |                   |                   |                |
| Continue accepting C & D at the Cedar Mt Landfill   | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | County    | \$1,009,203 per year | County  |  |  |                   |                   |                |
| Use the county owned and operated transfer station for disposal of municipal solid waste collected by the county at drop-off and convenience centers & waste from private haulers | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | County    | \$1,000,000 per year | County  |  |  |                   |                   |                |
| Privately owned and operated transfer station (Waste Industries) is available for municipal solid waste   | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | Private   | N/A                  | Private |  |  |                   |                   |                |
| <b>WASTE REDUCTION</b>  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |           |                      |         |  |  |                   |                   |                |
| Continue vegetative waste chipping operations at Cedar Mt Landfill  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | County    | \$50,000 per year    | County  |  |  |                   |                   |                |
| Continue to monitor local markets for recyclable materials collected by the county  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | County    | N/A                  | County  |  |  |                   |                   |                |
| Staff to continue to attend solid waste workshops to stay abreast of new methods for waste handling/waste reduction   | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | County    | \$2,000 per class    | County  |  |  |                   |                   |                |
| Develop and hold seasonal collection drives for items such as Christmas trees and telephone books   | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | County    | N/A                  | County  |  |  |                   |                   |                |
| Continue to offer recycling drop-offs to reduce disposal costs  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | County    | N/A                  | County  |  |  |                   |                   |                |
| <b>EDUCATION AND PUBLIC INVOLVEMENT</b>   |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |      |  |  |  |  |           |                      |         |  |  |                   |                   |                |
| Continue solid waste/recycling education programs in the county school system   | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | County    | N/A                  | County  |  |  |                   |                   |                |
| Continue back yard composting demonstrations at the Cedar Mt Landfill   | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | X    |  |  |  |  | County    | N/A                  | County  |  |  |                   |                   |                |

|  |   |   |   |   |   |   |   |   |        |                  |        |
|--|---|---|---|---|---|---|---|---|--------|------------------|--------|
| Establish donation collection points at the Cedar Mint Landfill  | X | X | X | X | X | X | X | X | County | N/A              | County |
| Continue public education outreach programs on recycling and solid waste                               | X | X | X | X | X | X | X | X | County | \$4,000 per year | County |
| <b>LAND LIMITATIONS</b>  |   |   |   |   |   |   |   |   |        |                  |        |
| Continue to enforce zoning and land use ordinances   | X | X | X | X | X | X | X | X | County | N/A              | County |
| Maintain and make available current information pertaining to land uses and environmental constraints. | X | X | X | X | X | X | X | X | County | N/A              | County |





**REPUBLIC**  
SERVICES OF GEORGIA, LLP

967 Carl Bethlehem Road Winder, GA 30680 (770) 867-2499 FAX (770) 307-0934

October 9, 2014

Mr. Gary Jenkins  
Douglas County  
1730 Humane Society Blvd.  
Douglasville, GA 30134

Mr. Jenkins,

This letter serves as a disposal capacity assurance for waste generated by Douglas County and disposed of at Republic Services of Georgia, Limited Partnership, d/b/a Pine Ridge landfill, 105 Bailey Jester Road, Griffin, GA.

Pine Ridge landfill operates under EPD solid waste permit# 0018-008-DMSWL. The estimated remaining capacity this facility is approximately 26,000,000 cubic yards. Based on this estimate and the current annual volumes generated by the County, there is sufficient capacity to meet the County's solid waste needs until past 2025.

Sincerely,

Michael D Meuse  
General Manager  
Post Collection  
Republic Services of Georgia, LP





**REPUBLIC**  
SERVICES OF GEORGIA, LLP

---

967 Carl Bethlehem Road Winder, GA 30680 (770) 867-2499 FAX (770) 307-0934

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Sincerely,

Michael D Meuse  
General Manager  
Post Collection  
Republic Services of Georgia, LP



**Sherri Mathis**

---

**From:** Lisa Watson  
**Sent:** Wednesday, October 22, 2014 3:07 PM  
**To:** 'Cheryl Allgood (cheryla@times-georgian.com)'  
**Cc:** Ann Bishop; Sherri Mathis; Wes Tallon; Gary Jenkins  
**Subject:** RE: Public Hearing Ad

Hi Cheryl, please run the following display ad on Sunday, November 2, 2014 and again on Sunday, November 9, 2014.

**NOTICE OF PUBLIC HEARING**

The Douglas County Board of Commissioners will hold a public hearing to receive comments on the 2014 Douglas County 10-Year Solid Waste Management Plan on Tuesday, November 18, 2014, during the regularly scheduled 10:00 a.m. Commission Meeting, at the Douglas County Courthouse in Citizens' Hall located at 8700 Hospital Drive, Douglasville, GA. Questions concerning this public hearing should be directed to Gary Jenkins at 770-920-3133, ext. 104.

Thanks.

*Lisa Watson*

Douglas County Clerk  
770-920-7416

[lwatson@co.douglas.ga.us](mailto:lwatson@co.douglas.ga.us)

*"To provide Douglas County with an honest, well-planned, effective and efficient local government."*

AT 2 DOUGLAS COUNTY SENTI EL Sunday November 2 2014

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The Douglas County

Board of Commissioners

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Board of Commissioners**

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# AGENDA

DOUGLAS COUNTY BOARD OF COMMISSIONERS  
Tuesday, November 18, 2014  
10:00 AM -- CITIZENS HALL

## COMMISSION MEETING

### CALL TO ORDER

INVOCATION - Randy Hulseay, DOT Director

### PLEDGE OF ALLEGIANCE

### PUBLIC COMMENT

Public Comment allows the board the opportunity to listen to the public.

### PRESENTATIONS

- Presentation briefing and update regarding the Interstate 20 at SR 5/Bright Star Road Interchange Alternatives Analysis Study.

### APPROVAL OF MINUTES

1. Commission Meeting Minutes of November 4, 2014.
2. Work Session Meeting Minutes of November 3, 2014.
3. Executive Session Minutes of November 3 and November 7, 2014.
4. Budget Retreat Minutes of November 6 - 7, 2014.

### PROCLAMATIONS

5. Proclaiming the week of November 17 - 21, 2014 as Farm City Week in Douglas County. (Travis Henry, Douglas County Farm Bureau)

### PUBLIC HEARING

6. Public Hearing to receive comments on the 2014 Douglas County Ten-Year Solid Waste Management Plan and authorize a resolution to adopt the plan. (Gary Jenkins)

### CONSENT AGENDA

7. Authorization for chairman to execute Keurig Green Mountain, Assignment subject to final legal review.
8. Authorization to approve a Memorandum of Agreement regarding taxation of leasehold for Coloplast Manufacturing US, LLC and authorize the Chairman to sign all related documents.

News

# NOTICE OF PUBLIC HEARING



[Douglas County Home](#)

## Notice of Public Hearing: 10-Year Solid Waste Management Plan

Citizen's Hall, 2nd floor, Douglas County Courthouse

The Douglas County Board of Commissioners will hold a public hearing to receive comments on the 2014 Douglas County 10-Year Solid Waste Management Plan on Tuesday, November 18, 2014, during the regularly scheduled 10:00 a.m. Commission Meeting, at the Douglas County Courthouse in Citizens' Hall located at 8700 Hospital Drive, Douglasville, GA. Questions concerning this public hearing should be directed to Gary Jenkins at 770-920-3133, ext. 104.

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