

Troup County
and
City of Hogansville, Georgia

Solid Waste Management Plan
2008 – 2018

October 2008

Chattahoochee-Flint
Regional Development Center
Franklin, Georgia

2008-2018 Solid Waste Management Plan

Troup County and City of Hogansville

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2008-2018 Solid Waste Management Plan

Troup County and City of Hogansville

Section 1 Introduction

1.1 Planning Area

This solid waste plan covers unincorporated Troup County and City of Hogansville. Letters from both, agreeing to participate in this plan, are attached.

1.2 Person Responsible for the Plan

Lynne Miller of the Chattahoochee-Flint Regional Development Center prepared this plan.
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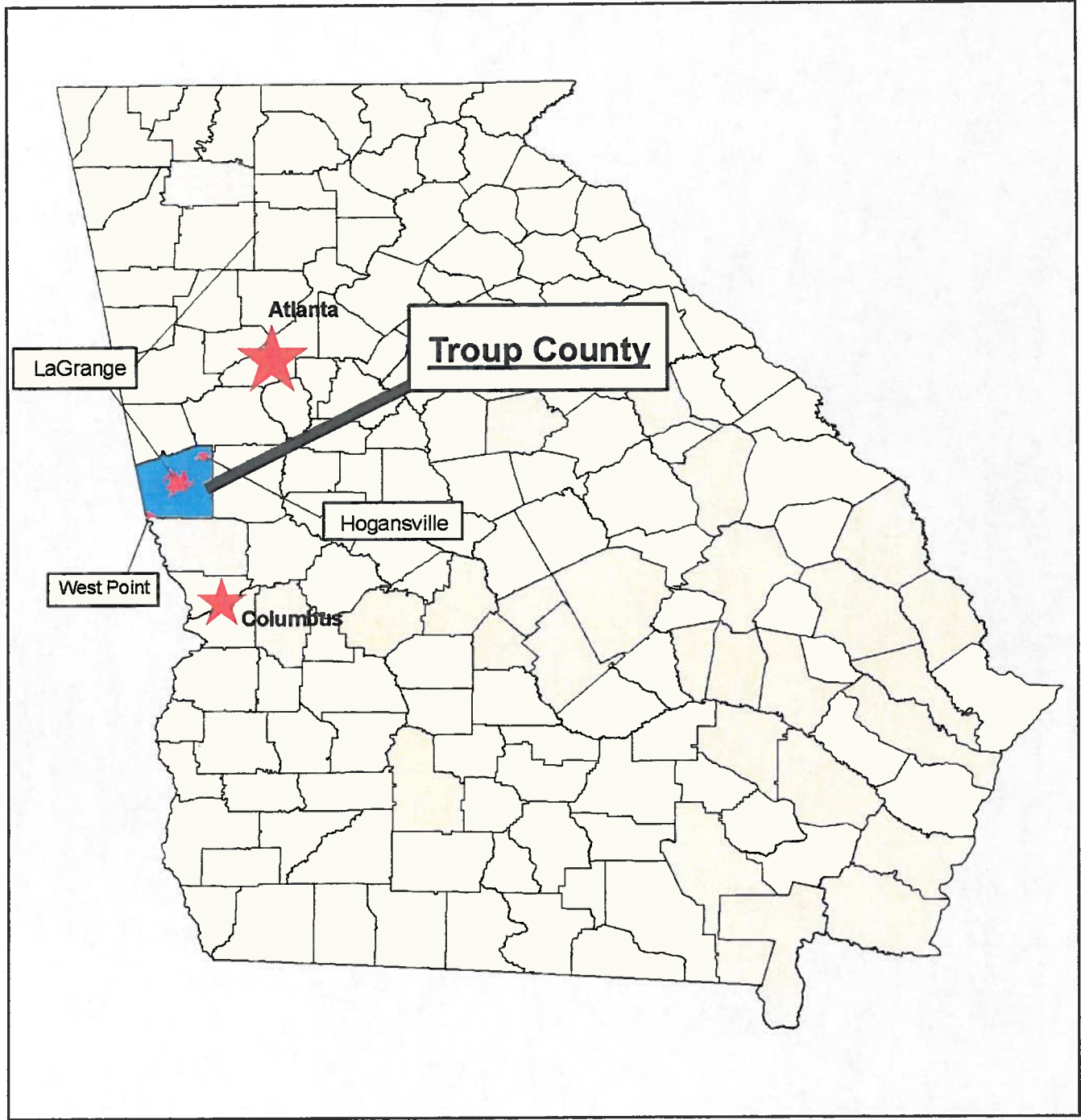
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1.3 Overview of the Area Covered in the Plan

1.3.1 Planning Area

Troup County is located in west-central Georgia, next to Alabama, with Atlanta to the north and Columbus to the south. The County's three incorporated cities are City of LaGrange – the County seat – in the center of the county, City of West Point in the county's southwest corner and City of Hogansville in the northeast corner. Figure 1-1 provides a location map.

Figure: 1-1
Troup County Georgia



Map Created By: Chattahoochee-Flint GIS Dpt.

1.3.2 Topographic Information/Unique Features

Troup County and City of Hogansville are located in the Piedmont Plateau, an old and heavily eroded land table between the Appalachian Mountains and Coastal Plains. The Piedmont is characterized by rolling hills, low drainage divides, and moderately wide stream valleys.

Troup County has a total area of 446 square miles, of which 32 square miles are water. City of Hogansville is 6.6 square miles in size, with no square miles of water. Key topographic features in Troup include the Chattahoochee River and West Point Lake, a manmade lake formed by damming the Chattahoochee River by the U.S. Corps of Engineers. West Point Lake, West Point Dam and the Chattahoochee River are key environmental, recreation and tourism resources for Troup County.

Figure 1-2 provides a topographic map of Troup County, including City of Hogansville, with key features – West Point Lake, dam and Chattahoochee River – noted. The small numbers on the contour lines show the height above mean sea level at those lines. Elevations in Troup range from around 623 feet (surface elevation) at West Point Lake, to over 900 feet along the eastern edge of Troup, near Mountville and in the county's southeast corner approaching Pine Mountain. Elevations in Hogansville range from 700 to 850 feet above sea level.

Slopes in the County and City range from nearly level, to over 25%. Development in the steep slope areas should be avoided if possible.

In Troup County and Hogansville, depth to bedrock is generally more than five feet. Major exceptions include:

- 1) An area east of Mountville-Hogansville, Road, extending south into unincorporated Troup County, where the depth averages about 30 inches,
- 2) Rock outcroppings in small pockets throughout the county, and
- 3) Rock outcroppings in a band across the south-central portion of the county from the Bartley Road area through the Salem community.

Construction in these areas is difficult where the soil depth is shallow. The potential for soil erosion is high here, and the installation of adequate on-site individual sewage disposal is costly.

1.3.3 Population

According to the Troup County Planning Department in 2007, Troup's population will grow from 63,245 residents in 2006, to as many as 75,000 residents by the year 2018. Key drivers for this growth will be the new KIA automobile assembly plant under construction at I-85 and Webb Road in West Point, and expansion plans for the Fort Benning military base near Columbus.

Since 2007, Troup County has received 4 proposals for large-scale developments:

- Whitesville Station, with 129 acres of businesses,
- Hammett Estates, proposing 551 new single-family housing units,
- Hines Road Development, to bring 813 homes to Troup, and
- Talisa Village along West Point Lake in unincorporated Troup, proposing commercial areas, office space and 4,900 new housing units, with build-out projected for year 2028.

The City of Hogansville foresees population growth as well. Four new subdivisions – Mallards Lake, Hummingbird Estates, Shallow Creek and Villages of Huntcliff – are under development. The City has approved 407 housing units for these four developments, and roughly one-quarter of these units are built to date.

Also, in December 2005, the Silvers Company Development proposed 2,500 new homes near Interstate 85 in Hogansville. At that time, the costs of infrastructure (water and wastewater) proved prohibitive for the developer. Since then, however, the City has expanded its water delivery capacity, and the Silvers Company proposal may resurface, although the 2008 economy has slowed down housing starts.

Table 1-1 provides population projections for unincorporated Troup County and City of Hogansville, based on U.S. Census, Troup County Planning Department projections, housing permit activity in Hogansville, and recent Developments of Regional Impact proposed for Troup County and City of Hogansville. Over the next 10 years, Troup County is projected to increase its population from an estimated 63,535 persons in 2008, to 81,100 persons by the year 2018. For its part, Hogansville is projected to grow from 2,909 persons to 4,850 persons during that 10-year period.

**Table 1-1
Population Projections -- Troup County and City of Hogansville**

Jurisdiction	Current Year (2008)	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Unincorporated Troup County	63,535	66,000	67,600	68,900	70,450	72,040	73,800	75,800	77,600	79,500	81,100
City of Hogansville	2,909	2,925	2,950	2,990	3,250	3,470	3,710	3,950	4,200	4,500	4,850
Total Planning Region	66,444	68,925	70,550	71,890	73,700	75,510	77,510	79,750	81,800	84,000	85,950

Sources: U.S. Bureau of Census, Troup County Planning Department, Hogansville City Manager, Chattahoochee-Flint Regional Development Center

1.3.3.1 Seasonal Population Variation

Troup County's population increases during summer months due to West Point Lake. Three million visits are made to West Point Lake each year.

1.3.3.2 Number of Households

Of Troup County's estimated 24,343 housing units, 75% are single family attached or detached, 11% are mobile homes or trailers, and 14% are multi-family.

Of Hogansville's estimated 1,300 housing units, 89.5% are single family attached or detached, 0.5% are mobile homes or trailers, and 10% are multi-family.

**Table 1-2
Number of Single- and Multi-Family Households (Estimate)
Troup County and City of Hogansville**

Jurisdiction	Current Year (2008)	
	Single-Family	Multi-Family
Unincorporated Troup County	20,935	3,408
City of Hogansville	1,170	130
TOTAL PLANNING REGION	22,105	3,538

Source: U.S. Census, Chattahoochee-Flint Regional Development Center

1.3.4 Economic Activity

1.3.4.1 Business and Industry

No major industries are located in unincorporated Troup County. The area's larger industries are located within the city limits of LaGrange, West Point and Hogansville.

As noted above, both the Kia plant in West Point and the Fort Benning military base expansion near Columbus will significantly impact Troup County and surrounding economies.

The 2,000,000 square foot KIA plant will create an estimated 2,800 new jobs and 2,600 new supplier jobs, and will include two vehicle lines, an engine assembly line, paint shop, training center, welcome center and two adjacent supplier facilities. Since the KIA plant was announced in 2006, a number of first and second tier suppliers (Mobis, Glovis, Pretty Products, Sejong Georgia LLC, Sewon Precision, and others) have announced plans for new plants at or near the KIA site.

The Fort Benning expansion will create 5,500 new military positions, 5,600 civilian and contractor jobs, and an estimated 17,000 new jobs in the surrounding 7-county area of Georgia and Alabama.

Also, West Point Lake remains a major component of the local economy. Three million visits are made to this recreational resource each year. The estimated economic impact of direct and indirect spending on West Point Lake – for boating, fishing, hunting, dining, camping, lodging, new construction, etc. – ranges from \$154 million per year, to over \$700 million per year, depending on the lake level. Drought conditions are dampening lake-related activity. (*Economic Impact of West Point Lake at Various Lake Water Levels*, 15 December 2007 by Basile Baumann Prost Cole & Associates, Inc.).

Troup County Businesses

Troup County issued 970 business licenses in 2008. Waste-producing businesses on this list included:

- 246 construction contractors, electricians, plumbers, framers, handymen
- 63 retail and wholesale operations
- 57 grocery stores, convenience stores, produce stands
- 55 landscape wholesale and retail, landscape and lawn maintenance, tree service
- 51 automobile and truck service, repair, gasoline, wrecker service
- 31 reuse businesses, including thrift, antiques, used cars and trucks, truck and car rental, pawn shops, etc.
- 26 restaurants, fast food, food delivery
- 18 grading, paving and road construction
- 18 cleaning services (residential and commercial), carpet cleaning
- 17 health care providers, doctors, senior care homes, and hospices
- 16 beauty salons, barbershops, tanning salons, day spas, personal care, nail salons
- 15 real estate sales and service
- 14 recreation facilities (skating, camping, etc.)
- 13 private schools and day care centers
- 12 small appliance sale and repair
- 10 computer sales and service
- 9 interior designers
- 9 financial services (accountants, appraisers, banks, etc.)
- 8 businesses selling new cars, trucks, motorcycles
- 8 trucking companies
- 8 pet and pet care businesses, boarding (large and small), veterinary clinic
- 8 crafts, sewing, etc.
- 7 machine shops
- 7 manufacturers
- 6 pest control companies
- 6 home inspectors
- 5 hotels and motels

- 5 fitness and dance studios
- 5 media producers
- 5 designers
- 4 upholstery shops
- 4 meeting venues
- 4 fish, bait and tackle shops
- 4 septic tank services
- 3 insurance companies
- 3 personnel companies
- 3 security system providers
- 3 equipment renters
- 3 catering, party events and planners
- 3 boat dock construction, marinas
- 3 well borers
- 3 taxidermy, deer processing
- 3 transportation companies
- 3 taxi, limousine service, delivery service
- 3 well borers
- 2 trash collection and recycling (C&C Sanitation, City of LaGrange)
- 2 horse breeders
- 2 video rental sales and service
- 2 vault companies
- 2 propane providers
- 2 legal services and attorney
- 2 pharmaceutical sales and research
- 2 printers
- 1 dry cleaner
- 1 photographer
- 1 farm operation
- 1 animal park (Wild Animal Safari), and
- 15 other services, including driver clinic, vending machine service, other

Hogansville Business and Industry

In the City of Hogansville, there are 3 sizable industries:

- Specialty Fabrics & Converting, with 185 employees
- Bo-TEX Sales Corp (fabrics), with 40 employees
- John Bean Sprayers (pesticide sprayers), with 40 employees.

Business licenses issued by the City of Hogansville in 2008 (150 total) included:

- 26 retail and wholesale operations
- 20 restaurants, fast food, catering
- 20 construction contractors, lawn care
- 17 grocery stores, convenience shops, produce stands
- 9 beauty salons, barbershops, tanning salons, etc.
- 7 financial services (attorneys, accountants, banks, bail bondsmen, etc.)
- 6 automobile service, repair, gasoline
- 6 businesses selling new cars, auto parts, tires, car wash
- 5 manufacturing or distribution industries
- 5 real estate services
- 4 reuse businesses (antiques, pawn, used car, etc.)
- 4 health care facilities
- 2 hotels and motels
- 2 funeral homes
- 1 fitness business
- 1 group home
- 1 day care
- 1 meeting venue
- 13 other (cleaners, pest control, taxi, towing, photo studio, computer, signmaker, etc.)

Troup County Board of Education

There are 13 public schools in unincorporated Troup County and City of Hogansville, with 7,613 students total:

- Troup County High School – 1,280 students
- Gardner-Newnan Middle School – 997 students
- Long Cane Middle School – 963 students
- Callaway High School – 784 students
- Long Cane Elementary School – 501 students
- Franklin Forest Elementary School – 487 students
- Hollis Hand Elementary School – 447 students
- Whitesville Road Elementary School – 447 students
- Hogansville Elementary School – 431 students
- Unity Elementary School – 413 students
- Berta Weathersbee Elementary School – 361 students
- Mountville Elementary School – 282 students
- Cannon Street Elementary School – 224 students

The Troup County Schools are a major employer and waste producer in this planning area, but a seasonal one, counterbalancing the summer impact of West Point Lake.

Number of Employees by Sector

While the number of manufacturing jobs in Troup County has declined steadily over the past 20 years, manufacturing remains the county's largest employer. In 1980, over 42% of the total working civilian population was employed in the manufacturing sector. By 2000, only 28% of the employed population worked in manufacturing, in jobs that were predominantly textile manufacturing.

Over the next ten years, manufacturing focus will change from textile manufacturing to automobile production and related support industries as the new Kia plant comes on line in West Point. In April 2008, the Georgia Tech Enterprise Institute projected that by the year 2012, 1,699 new businesses will create 20,266 new jobs in Troup County and surrounding region.

Table 1-3 shows employment in Troup County (including cities of Hogansville, LaGrange and West Point) by sector, as of year 2000.

**Table 1-3
Employment by Industry – Troup County**

Industry	# of Employees (2000 Census)
Total Employed Civilian Population	26,669
Agriculture, Forestry, Fishing, Hunting and Mining	207
Construction	1,992
Manufacturing	7,467
Wholesale Trade	779
Retail Trade	3,140
Transportation, Warehousing, and Utilities	944
Information	524
Finance, Insurance and Real Estate	993
Professional, Scientific, Management, Administrative, and Waste Management Services	1,463
Educational, Health and Social Services	5,241
Arts, Entertainment, Recreation, Accommodation and Food Services	1,763
Other Services	1,204
Public Administration	952

Section 2 Waste Disposal Stream Analysis

2.1 Inventory of Waste Disposed

2.1.1 Waste Characterization

Households, businesses and offices, industries, schools and construction activity all contribute to Troup County and Hogansville's municipal solid waste stream.

Households

C&C Sanitation of LaGrange collects all of Hogansville's residential solid waste and a portion (1,500 households) of unincorporated Troup County waste. According to C&C, Troup and Hogansville's households together dispose on average 24,617 tons of municipal solid waste per year. This amounts to an estimated 23,269 tons per year, or about 2.01 pounds per person per day, from unincorporated Troup County, and 1,248 tons per year, or 2.35 pounds per person per day, from City of Hogansville.

Schools

The City of LaGrange collects from unincorporated Troup County's 12 public schools and Hogansville's one public school. Each school has between 2 and 5 dumpsters, depending on the size of the school. Each dumpster holds 8 cubic yards. Some dumpsters are for cafeteria waste, which weighs about 800 pounds per cubic yard. Other dumpsters are for the non-cafeteria waste, which averages 400 pounds per cubic yard. The dumpsters are picked up twice a week during the school year. Dumpsters are full when collected.

Based on the dumpster arrangement and pickup schedule for these schools, unincorporated Troup County schools are disposing 7,027 tons per year, or 0.61 pounds per Troup County resident per day, and the Hogansville Elementary School is disposing 518 tons per year, or 0.98 pounds per Hogansville resident per day, of municipal solid waste.

Businesses and Industries

The County's businesses dispose, on average, 400 pounds of MSW per week, according to C&C Sanitation. Some of the businesses in the planning area are home businesses or others that are very small. According to a Development of Regional Impact projection by the Chattahoochee-Flint Regional Development Center in August 2007, one of Troup County's larger businesses – Wild Animal Safari – has potential to produce 328 tons of solid waste per year.

On the north side of Hogansville, Specialty Fabrics and Converting has been a major part of the community since the early 1900's, and played a big role in World War II by manufacturing tires for tanks. Today, this industry has 185 employees who manufacture coated fabric to make conveyor belts. They produce both solid and liquid waste. Liquid waste goes to the City's wastewater treatment plant, and solid waste goes to the LaGrange MSW Landfill.

The firm has been landfilling about 200,000 pounds per month of fabric, fiber, and trash, but recently began a recycling program. Landfill cost so far has been reduced from \$6,000 per month to \$2,000 per month as a result. This translates in a reduction from 1,200 tons per year to about 400 tons per year. The firm's goal is zero waste disposal.

Bo-Tex Sales Corporation, also in Hogansville, has 40 employees, and makes fabric for tarps, using recycling fabrics to begin with. C&C Sanitation collects solid waste from Bo-Tex, from open top containers for thread, and from a compactor used for other pieces. Bo-Tex is currently sending 21 tons per month of solid waste to the LaGrange landfill, and recycling 2 tons per month of cardboard, which C&C takes to Garrett Recycling in LaGrange.

Accounting for (a) Hogansville's industries, (b) the Wild Animal Safari in Troup County, (c) the other businesses in Troup and Hogansville and (c) the smaller businesses located in homes, this planning area's business and industrial waste equals an estimated 8,684 tons per year, or 0.75 pounds per person per day from unincorporated Troup County, and 1,300 tons per year, or 2.45 pounds per person per day from the businesses and industries in Hogansville.

Yard Waste

An estimated 85% of total yard waste received at the Troup County C&D Landfill is from unincorporated Troup County. This amounts to 2,500 tons per year, or 0.22 pounds per person per day, of yard waste. In the City of Hogansville, 6,750 cubic yards of yard waste is collected by City workers and taken to the City's inert landfill each year. This equals 675 tons per year, or 1.27 pounds per Hogansville resident per day, of yard waste, if this loosely packed waste averages 200 pounds per cubic yard.

Construction and Demolition Debris

In 2007, Troup County received 23,736 tons of construction and demolition debris at its C&D landfill. This number was high relative to the year before, due in part to an ice storm that year. Five percent of this material waste was recycled, including 425 tons of concrete. Of the remainder, deleting yard waste, an estimated 85%, or about 16,744 tons per year of C&D, or 1.44 pounds per person per day, was from unincorporated Troup County.

In Hogansville, “two men and a truck” – 2 city workers with a knuckle-boom truck – collected 293 tons, or 0.55 pounds per person per day, of construction, demolition, white goods, etc.

Total

Together, all of these disposed materials totaled 58,274 tons per year or 5.03 pounds per person per day from unincorporated Troup County, and 4,034 tons per year or 7.60 pounds per person per day from City of Hogansville. Table 2-1 shows tons disposed yearly by Troup County and Hogansville, by type of waste.

**Table 2-1
Waste Disposed by Sector (Tons per Year) -- 2008**

Jurisdiction	Residential	Commercial, Office & Industrial	Schools	C&D	Yard Trimmings	TOTAL WASTE DISPOSED
Troup County	23,269	8,684	7,027	16,744	2,550	58,274
Hogansville	1,248	1,300	518	293	675	4,034
Total, Planning Area	24,517	9,984	7,545	17,037	3,225	62,308

Table 2-2 below shows the estimated waste components (paper, plastic, organics, etc.) for each of unincorporated Troup County’s waste sectors – residential, commercial/office/industrial, schools, C&D, and yard trimmings. Table 2-3 provides the same for City of Hogansville.

**Table 2-2
Waste Composition (Tons) -- Troup County -- 2008**

Material	Residential	Commercial, Office & Industrial	Schools	C&D	Yard Trimming	Average, %
Paper	41.7%	41.7%	50%	0	0	27%
Plastic	16.7%	16.7%	0	0	0	12%
Glass	4.5%	4.5%	0	0	0	2%
Metal	7.7%	7.7%	0	0	0	4%
Organic	26.2%	26.2%	50%	0	100%	23%
C&D	0	0	0	100%	0	30%
Inorganics	3.0%	3.0%				2%
Total, tons/year	23,269	8,684	7,027	16,744	2,550	100%

Sources: Waste Composition by RDC in the May 2006 Georgia Solid Waste Plan, C&C Sanitation, Troup County 2007 and 2006 Solid Waste Full Cost Reports, Troup Public Works Department, Troup County Board of Education, City of LaGrange Public Works Department

**Table 2-3
Waste Composition (Tons) -- City of Hogansville -- 2008**

Material	Residential	Commercial, Office & Industrial	Schools	C&D	Yard Trimming	Average, %
Paper	41.7%	41.7%	50%	0	0	33%
Plastic	16.7%	16.7%	0	0	0	11%
Glass	4.5%	4.5%	0	0	0	3%
Metal	7.7%	7.7%	0	0	0	5%
Organic	26.2%	26.2%	50%	0	100%	40%
C&D	0	0	0	100%	0	7%
Inorganics	3.0%	3.0%				2%
Total, tons/year	1,248	1,300	518	293	675	100%

Sources: Waste Composition by RDC in the May 2006 Georgia Solid Waste Plan, C&C Sanitation, Troup County Board of Education, City of LaGrange Public Works Department, and City of Hogansville Public Works Department.

2.1.2 Unique Conditions and/or Seasonal Variations

During the summer, little to no municipal solid waste is collected from schools, but MSW increases from businesses serving West Point Lake (marinas, campgrounds, gas stations, convenience stores, etc.)

2.1.3 Waste Generating Disasters

Recent waste generating disasters in Troup County have included windstorms and ice storms. After a 2007 ice storm, Troup County saw an increase in C&D brought to the County landfill – from 13,630 tons of C&D in 2006, to 23,736 tons in 2007.

Both Troup County and City of Hogansville are prepared to handle these and other waste generating disasters. C&D waste from such disasters in Troup County can be accepted at the Troup C&D landfill. Woody waste from such disasters in Hogansville would be taken to the City's inert landfill. Each of these landfills has chippers. Woody waste would be chipped and then made available for public use. Hogansville's residential waste hauler, C&C Sanitation, has a chipper also, at its LaGrange headquarters site. Chips would then be available to residents and also for recycling at the Sims Bark manufacturing plant in Woodbury.

Waste disasters involving municipal solid waste would be taken to the LaGrange City MSW landfill and/or Salem landfill, with which C&C Sanitation has a contract guarantee.

2.2 Projections of Waste to be Disposed

The following table shows projected waste amounts over the 10-year period, assuming there are no additional waste reduction efforts, while the population increases and new developments are realized. In this no-reduction scenario, annual disposed amounts would increase from 62,308 tons per year, to 81,175 tons per year, for Troup County and Hogansville.

**Table 2-4
Waste Disposal Projections with Zero Per Capita Waste Reduction**

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<i>Troup County</i>											
Tons Disposed	58,274	60,586	62,055	63,248	64,671	66,131	67,747	69,583	71,235	72,979	74,448
Per Capita Tons Disposed	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03	5.03
<i>City of Hogansville</i>											
Tons Disposed	4,034	4,057	4,092	4,147	4,508	4,813	5,146	5,479	5,825	6,242	6,727
Per Capita Tons Disposed	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60
TOTAL TONS	62,308	64,643	66,147	67,395	69,179	70,944	72,893	75,062	77,060	79,221	81,175

2.3 Per Capita MSW Disposal Reduction Goal

Table 2-4 presents this plan's 10-year waste reduction targets. Between 2008 and 2018, as Troup County and Hogansville continue to grow, the goal is to reduce the rate of Troup County's disposed municipal solid waste from 5.03 pounds per person per day in 2008, to 4.0 pounds per person per day in 2018. This will be achieved in large part by reducing disposed construction and demolition debris and tonnage disposed by schools.

During that same period, the City of Hogansville's target is to reduce the city's disposed municipal waste from 7.60 pounds per Hogansville resident per day in 2008, to 6.10 pounds per Hogansville resident per day in 2018. This goal will require strides in waste reduction by the city's residents, businesses and school.

Table 2-5 - Waste Disposal Target for Planning Period

	1990	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<i>Troup County</i>												
Population		63,535	66,000	67,600	68,900	70,450	72,040	73,800	75,800	77,600	79,500	81,100
Tons Disposed		58,274	59,021	59,218	59,099	59,143	59,163	59,261	59,484	59,480	59,486	59,203
Per Capita Tons Disposed	7.99	5.03	4.90	4.80	4.70	4.60	4.50	4.40	4.30	4.20	4.10	4.00
Reduction in Per Capita Disposed from Base Year		0	0.13	0.23	0.33	0.43	0.53	0.63	0.73	0.83	0.93	1.03
<i>City of Hogansville</i>												
Population		2,909	2,925	2,950	2,990	3,250	3,470	3,710	3,950	4,200	4,500	4,850
Tons Disposed		4,034	3,977	3,930	3,902	4,152	4,338	4,536	4,722	4,906	5,133	5,399
Per Capita Tons Disposed	7.99	7.60	7.45	7.30	7.15	7.00	6.85	6.70	6.55	6.40	6.25	6.10
Reduction in Per Capita Disposed from Base Year		0	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	1.50

**Table 2-5 (continued)
Waste Disposal Target for Planning Period**

	1990 Troup and cities	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<i>Total for Planning Area</i>												
Population		66,444	68,925	70,550	71,890	73,700	75,510	77,510	79,750	81,800	84,000	85,950
Tons Disposed		62,308	62,998	63,148	63,001	63,295	63,501	63,797	64,206	64,386	64,619	64,602
Per Capita Tons Disposed	7.99	5.14	5.01	4.90	4.80	4.71	4.61	4.51	4.41	4.31	4.22	4.12
Reduction in Per Capita Disposed from Base Year		0	0.13	0.23	0.34	0.43	0.53	0.63	0.73	0.83	0.92	1.02

Section 3 Waste Reduction Element

3.1 Inventory of Waste Reduction Programs

Waste reduction programs in the planning area include:

- Source reduction, recycling and waste exchange by business and industry
- Recycling at the County convenience centers and C&D landfill
- Recycling in the Troup County schools

These programs are described in more detail below.

3.1.1 Source Reduction

Source reduction is any action taken to prevent the generation of waste in the first place. It can include:

- Reducing the amount of solid wastes generated at the source;
- Redesigning of products or packaging so that less material is used, resulting in fewer discarded materials;
- Voluntary or imposed behavioral changes in the use of materials which results in the selection of products and materials which last longer or reduce the amount of materials discarded; or
- Increasing the durability and reusability of materials to result in longer lasting products.

Source reduction is not actively promoted in Troup County. At the schools the trend, in fact, is toward disposable dishes and more meals (including breakfast) for those dishes. This saves water, but not landfill space.

As the region's larger businesses and industries deal with the rising cost of fuel, they are looking at source reduction, recycling and waste exchanges as ways to reduce the cost of production and distribution. Industry will remain a leader in source reduction.

A goal of this plan will be to promote source reduction in all waste producing sectors: residents, schools, government and businesses. The most efficient way to save landfill space is to produce less waste in the first place.

3.1.2 Recycling

There are no curbside recycling programs in unincorporated Troup or City of Hogansville. Troup County currently has 12 convenience centers, where municipal solid waste is received and compacted. Recyclables can be dropped off at 10 of these convenience centers. The centers are limited to Troup County residents.

**Table 3-1
Troup County Convenience Centers**

Name	Location	Hours of Operation	Staffed?	Site Capacities
Lloyd Tatum	Old West Point Road	Mon-Sat: 7 am – 6 pm Sunday: 1 – 6 pm	Full-time	2 – 40 yard MSW compactors 1 – Metal open top dumpster 1 – Cardboard open top dumpster 1 – Recycling bin 2 – Miscellaneous open top dumpsters 1 – Book recycling bin
County Work Camp	Hamilton Road	Mon-Sun 6 am – 6 pm	Staffed by inmates	1 – 40 yard MSW compactor 1 – Metal open top dumpster 1 – Cardboard open top dumpster 1 – Recycling bin 1 – Miscellaneous open top dumpster 1 – Goodwill Donation Center
Cattle Barn	Hogansville Road	Mon-Sat: 7 am – 6 pm Sunday: 1 – 6 pm	Full-time	2 – 30 yard MSW compactors 1 – Metal open top dumpster 1 – Cardboard open top dumpster 1 – Recycling bin 2 – Miscellaneous open top dumpsters 1 – Book recycling bin
Hillcrest	Hillcrest Road	Mon-Sat: 7 am – 6 pm Sunday: 1 – 6 pm	Full-time	1 – 40 yard MSW compactor 1 – Metal open top dumpster 1 – Cardboard open top dumpster 1 – Recycling bin 1 – Miscellaneous open top dumpster 1 – Goodwill Donation Center

Table 3-1 (continued) -- Troup County Convenience Centers

Name	Location	Hours of Operation	Staffed?	Site Capacities
Gray Hill	Gray Hill School Road	Mon-Sat: 7 am – 6 pm Sunday: 1 – 6 pm	Full-time	1 – 40 yard MSW compactor 1 – Metal open top dumpster – Cardboard open top dumpster 1 – Recycling bin 1 – Miscellaneous open top dumpster 1 – Book recycling bin
Abbotsford	Abbotsford Road	Mon-Sat: 7 am – 6 pm Sunday: 1 – 6 pm	Full-time	1 – 40 yard MSW compactor 1 – Metal open top dumpster 1 – Cardboard open top dumpster 1 – Recycling bin 1 – Miscellaneous open top dumpster
Mobley Bridge	Mobley Bridge Road	Mon-Wed-Fri 7 am – 6 pm Saturday 10 am – 6 pm Sunday: 1-6 pm	Full-time	1 – 40 yard MSW compactor 1 – Metal open top dumpster 1 – Cardboard open top dumpster 1 – Recycling bin 1 – Miscellaneous open top dumpster
Knott Road	Knott Road	Tue & Thursday 7 am – 6 pm Saturday 10 am – 6 pm Sunday: 1-6 pm	Full-time	1 – 40 yard MSW compactor 1 – Metal open top dumpster 1 – Cardboard open top dumpster 1 – Recycling bin 1 – Miscellaneous open top dumpster
Liberty Hill	Liberty Hill Road	Mon-Sun 7 am – 6 pm	Not staffed	1 – Open top dumpster
Oak Grove	Oak Grove Road	Mon-Wed-Fri 7 am – 6 pm Saturday 10 am – 6 pm Sunday: 1-6 pm	Full-time	1 – 40 yard MSW compactor 1 – Metal open top dumpster 1 – Cardboard open top dumpster 1 – Recycling bin 1 – Miscellaneous open top dumpster
Reed Road	Reed Road	Tue & Thursday 7 am – 6 pm Saturday 10 am – 4 pm Sunday: 1-6 pm	Full-time	1 – 40 yard MSW compactor 1 – Metal open top dumpster 1 – Cardboard open top dumpster 1 – Recycling bin 1 – Miscellaneous open top dumpster
Mountville (C&D Landfill)	End of Parmer Road	Mon-Fri: 7 am – 5 pm Saturday 8 am – 2 pm Sunday: closed	Full-time (by landfill employees)	1 – Open top dumpster

Materials accepted at these convenience centers include:

- Cardboard: plain or corrugated
- Metals: aluminum, steel or tin
- Plastics: Office or computer
- Newspaper and magazines (catalogs not accepted)
- Cardboard, mixed plastics, telephone books
- White goods (old refrigerators, stoves, etc.)

About 125-150 tons of recyclables (1,500 tons per year) are collected monthly from these convenience centers. The City of LaGrange collects and sells all recyclables, grossing \$150,000 per year from these materials. Recyclables are sold to a variety of markets. The markets pick up the recyclables at the convenience centers. Glass is taken to the LaGrange landfill and crushed, then utilized as roadbed material at the landfill.

**Table 3-2
Businesses that Accept Recyclables from the Planning Area**

Name	Location	Accepts Material from:		Materials Accepted
		Geographic Area	Sector	
Green Fiber	Griffin, GA	Planning Area	Residential, commercial	Newspapers, high-grade paper, mixed office paper, phone books
Waste Recycling, Inc.	Opelika, AL	Planning Area	Residents, commercial	Corrugated cardboard
Pratt Industries	Conyers, GA	Planning Area	Residents	Magazines
E.J. Knight	Columbus, GA	Planning Area	Residents, Commercial	Metals, white goods
Integrated Recycling Solutions	Newnan, GA	Planning Area	Residents, Commercial	Aluminum and steel cans, PET bottles, HDPE bottles, plastic bottles (#3-7 colored)
Garrett Recycling	LaGrange, GA	Planning Area	Businesses & residents	Scrap metals, cardboard, paper
Sources: Keep Troup Beautiful, City of LaGrange, C&C Sanitation				

Troup County Schools

As a whole, the Troup County School system does very little recycling. Individual schools participate in recyclables projects during the school year. The recyclables collected are taken to the LaGrange recycling center on Davis Road.

The Troup County Board of Education is currently working with Keep Troup Beautiful to develop a comprehensive recycling plan.

Georgia Green and Healthy School Program

The Georgia Green and Healthy Schools Program is a relatively new program coordinated by Environmental Education in Georgia to assist and support schools in understanding and practicing environmentally sound principles. Started in 2006 and open to all Georgia public and private/independent schools (grades K-12), the program provides environmental assessment tools to conduct school-based investigations, collect data, implement changes and track progress. Schools earn recognition and awards for their actions to reduce waste and pollution, improve air quality, conserve water and energy, enhance wildlife habitat, and integrate environmental education into their curricula.

The Troup County Board of Education is willing to consider this program in conjunction with the school system's upcoming recycling plan.

3.1.2.1 Recycling and Re-Use Businesses

One recycling business is located in the planning area: Garrett Recycling, 236 Hines Road, LaGrange GA 30241. Garrett Recycling accepts all kinds of scrap metals – Copper No. 1 and 2, insulated and sheet copper, yellow and red brass, car radiators, cast and sheet aluminum, aluminum wheels, aluminum cans, stainless steel, other), cardboard, wooden pallets, newspapers, magazines, computer paper. For large jobs, Garrett provides containers and can pick them up. The firm then sorts and grades the materials and hauls them by tractor-trailer to out-of-state markets. Their service area extends from Columbus to Fayetteville.

The following reuse businesses are located in Troup County and Hogansville:

- Allens Pawn, 3877 Youngs Mill Road, Hogansville, 30240
- B&B Auto Salvage, Highway 54, Hogansville 30230
- Bigshu Antiques, 4865 Hamilton Road, LaGrange 30241
- Browns Refinishing Shop – Antiques & refinishing – 2814 Hamilton, LaGrange 30241
- Burdette Flea Market, 2904 Hamilton Rd -- LaGrange 30241
- CJ Pallets & Recycling – Rebuilding pallets – 3524 Upper Big Springs, LaGrange 30241
- Capital Auto Parts – Salvage/junkyard – New Franklin Road, LaGrange 30240
- Chipman's Flea Market, LaGrange 30240
- D&D Auto Parts – Auto salvage – 6815 West Point Road, LaGrange 30240

- Double A Towing & Auto salvage – 3468 Hogansville Rd, LaGrange 30240
- J&D Used Furniture, 2264 West Point Road, LaGrange 30240
- Jordan Motor Company – Used cars – 2988 West Point Rd – LaGrange 30240
- Lovetts Auto Sales and Services – Salvage yard – Cooly Rd, LaGrange 30240
- Mama’s Closet – Thrift store – Hamilton Road, LaGrange 30240
- Oakwood Antiques – Lakewood Drive, LaGrange 30240
- Ole Chair Shop – Refinishing – 7142 Hamilton Road, Pine Mountain 31822
- Overbrook Motors LLC – Used car sales – West Point Rd, LaGrange 30240
- Parkway Motors – Used cars – 1356 Greenville St, LaGrange 30240
- Pay Day Used Cars – 2201 Whitesville Rd – LaGrange 30240
- Payless Car Sales – Used cars – 1405 LaFayette Pkwy, LaGrange 30241
- Rockville Flea Market, West Point Road, LaGrange 30240
- Stanley Shaw Ent – Use cars – 7808 West Point Rd, West Point 31833
- Trinity Motors – Used car lot – LaFayette Parkway, LaGrange 30240
- United Rentals – 7646 West Point Road, West Point 31833
- Walts Junk Yard – South Smith Road, LaGrange 30241
- West GA Pawn – 2252 Hamilton Rd, LaGrange 30241
- Williamson Auto Parks – Parts, junkyard – Highway 29N, Hogansville 30230
- Van Byars Auction – auction – Main Street, Hogansville 30230
- William & Mary Antiques – Main Street, Hogansville 30230
- BJ’s Antiques – Main Street, Hogansville 30230
- Sunshine Rentals – Hogansville 30230

3.1.3 Yard Trimmings Programs and Facilities

Both Troup County and City of Hogansville have dedicated space for yard waste. Troup County accepts yard wastes at its C&D landfill, where the material is separated and chipped. The City of Hogansville collects yard waste curbside from residents Wednesdays and Thursdays, covering ½ of the city each day. Hogansville’s yard wastes are delivered to the Hogansville inert landfill, where the material is chipped.

An estimated 85% of total yard waste received at the Troup County C&D Landfill is from unincorporated Troup County. This amounts to 2,500 tons per year, or 0.22 pounds per person per day, of yard waste.

In the City of Hogansville, 6,750 cubic yards of yard waste are collected by City workers and taken to the City’s inert landfill each year. This equals 675 tons per year, or 1.27 pounds per Hogansville resident per day, of yard waste. At the inert landfill, the City chips this material and offers the wood chips to residents.

C&C Sanitation takes woody waste to the Sims Bark manufacturing plant in Woodbury.

3.1.4 Items Requiring Special Handling

The Troup County C&D Landfill on Mountville Road accepts used appliances. These white goods are currently sold to Integrated Waste Solutions of Newnan, GA. This landfill accepts used propane tanks, which are delivered to gas companies. The County Road Department re-uses some of the asphalt collected here.

The LaGrange MSW landfill in Mountville accepts a range of special items, including tires. Tires are also accepted at the City of LaGrange recycling center on Davis Road.

The City of Hogansville collects used appliances, sofas, and other large items curbside from residents Mondays and Tuesdays, covering ½ of the city each day. These materials are taken to the LaGrange MSW landfill, where E.J. Knight of Columbus picks up the white goods.

Scrap metals collected by Hogansville are taken to the City garage and sold to recyclers from there.

In August 2007 the City of Hogansville collected 9.4 tons of tires during a two-week collection event. The project was sponsored by the Georgia Department of Natural Resources, Environmental Protection Division. The tires were sold to MTR of Georgia, of Jackson, GA. The program was discontinued due to lack of grant reimbursement from EPD.

Meanwhile, Troup County is seeking 2008 Recycling and Waste Reduction funds to expand recycling at the Troup County C&D Landfill. With these funds, the County will construct a recycling area at this site, with concrete pad and 30-yard open top containers for metals and carpet, to increase the tons diverted and recycled from this landfill from an estimated 5% now (1,187 tons per year), to over 20% (4,747 tons per year) of the total C&D delivered.

At the expanded recycling center, the County will also recycle tires, electronics and wood. The County will staff the recycling area full time, with County staff and inmate labor, and will use the landfill scales to monitor amounts recycled.

3.2 Disaster Debris Management – Waste Reduction Strategy

Recent waste generating disasters in Troup County have included windstorms and ice storms. After a 2007 ice storm, Troup County saw an increase in C&D brought to the County landfill – from 13,630 tons of C&D in 2006, to 23,736 tons in 2007.

Both Troup County and City of Hogansville are prepared to handle these and other waste generating disasters. C&D waste from such disasters in Troup County can be accepted at the Troup C&D landfill. C&D waste from such disasters in Hogansville would be taken to the City's inert landfill. Each of these landfills has chippers. Woody waste would be chipped and then made available for public use.

3.3 Assessment of Waste Reduction Programs

Troup County's recyclables drop off system targets residential, commercial and office sectors. Recyclables delivered to the convenience centers are efficiently marketed by City of LaGrange. The convenience centers accept a range of materials, including white goods and tires, which are taken from there to the LaGrange MSW landfill. Proximity to Atlanta and Columbus recycling markets helps the County and City of LaGrange sell the recyclables.

The Troup County C&D landfill accepts a wide range of inert material, including special items such as white goods and furniture. The C&D landfill is currently recycling about 5% of the material delivered to it. This percentage could be increased to 20%, or a total of 4,747 tons per year of the total C&D delivered, with a strengthened recycling operation targeting carpet and metals. About 85% of material delivered to the Troup C&D landfill is from unincorporated Troup County.

Tire disposal is a problem, particularly for Hogansville. Tires are pitched into ditches. The \$2 per tire disposal charge is a disincentive to legal disposal.

The Troup County Schools are a major waste producer, but are doing very little recycling.

The City of Hogansville has no convenient recycling system. Curbside collection of household recyclables is not feasible for this small city, according to local haulers. The City has no recyclables drop off center, and recycling by Hogansville Elementary School is minimal. Except for yard wastes and bulky items, Hogansville is diverting very little from lined landfill.

Both Hogansville and unincorporated Troup County have dedicated space for yard waste, and both use this space efficiently. The City has “two men and a truck” – two City workers and a knuckle-boom truck – who collect yard wastes twice weekly and special items such as white goods twice a week (4 days total). Woodchips are offered back to residents. C&C Sanitation delivers woody wastes to the Sims Bark manufacturing plant in Woodbury GA.

3.4 Needs and Goals

Needs

- 1) Troup County needs to expand recycling at its C&D landfill, to conserve landfill space and divert substantial volumes of recyclables.
- 2) A recycling drop-off station should be located in or near Hogansville.
- 3) The Troup County Schools need a comprehensive plan for recycling and providing recycling education.
- 4) The County, City of Hogansville and Troup Schools should promote source reduction.
- 5) County and City of Hogansville should consider curbside collection of recyclables.
- 6) The planning area’s chipped and other woody wastes should be recycled.

Goals

- 1) Improve and expand recycling capabilities at the Troup C&D landfill.
- 2) Locate a recycling drop-off station in or near Hogansville.
- 3) Improve waste reduction practices and education in the Troup County Schools.
- 4) Promote, accomplish source reduction in local government buildings and County schools.
- 5) Recycle planning area’s chipped and other woody wastes.

Section 4 Collection Element

4.1 Inventory of Collection

4.1.1 Existing Programs

Through an exclusive contract with C&C Sanitation of LaGrange, the City of Hogansville provides curbside collection of municipal solid waste for all of its residents. The City's contract with C&C is renewed annually.

The City bills its residents for the garbage collection. Any household receiving two or more utilities from the City (water, sewer, electric, etc.) is also charged for garbage collection, on the same utility bill.

The City charge for garbage collection is \$15.50 per household per month. C&C collects from 1,300 Hogansville households.

Businesses contract directly with haulers of their choice for solid waste collection. Several different haulers, including C&C and City of LaGrange, collect from the City's businesses and industries. The City of LaGrange collects the Hogansville Elementary School's solid waste. Waste collected by C&C Sanitation and City of LaGrange is hauled to the LaGrange MSW landfill on Mountville Road.

For curbside collection of yard wastes, white goods and eviction debris, the City of Hogansville has "two men and a truck" – two workers and a knuckle-boom truck – who collect yard waste on Wednesdays and Thursdays (half the City one day and half the next) and the white goods, furniture, etc. on Mondays and Tuesdays. Yard wastes are taken to the City's inert landfill (a former City landfill, now closed). The white goods and other special items are taken to the LaGrange MSW landfill, and collected by a metals buyer from there. The City of Hogansville uses a portion of its hotel/motel tax revenues – beautification funds – to help pay for its solid waste program.

Troup County has a system of 12 convenience centers for collection of the County's municipal solid waste. There is no charge to Troup residents to use the convenience centers. All but one of the centers is staffed full-time. Waste from the convenience centers is collected by City of LaGrange and taken to the LaGrange MSW landfill. Figure 4-1 shows the locations of the County's 12 convenience centers and the other waste collection points in the planning area.

The Troup County Department of Corrections manages the County's convenience centers. Table 4-1 shows what it cost, in 2007, to operate all 12 convenience centers combined.

Table 4-1
Operating Costs, 2007
Troup County Convenience Centers

Line Item	Cost, \$
Salaries	\$ 359,383
Overtime	34,524
Landfill Tipping Fees	230,000
Gas	18,974
Building Maintenance	1,500
Janitorial	1,000
Utilities	10,000
Small Equipment	500
Total	\$ 655,881

Troup County's 12 convenience centers yielded 6,613.68 tons of municipal solid waste in 2007. Table 4-2 shows annual tons received by center, in 2007.

**Table 4-2
Solid Waste Tons Received by Center, 2007
Troup Convenience Centers**

Center	Tons Received
Lloyd Tatum	1,494.89
Work Camp	1,148.78
Cattle Barn	899.19
Hillcrest	883.76
Gray Hill	438.62
Abbotsford	404.84
Mobley Bridge	295.97
Knott Road	277.47
Liberty Hill	221.65
Oak Grove	214.28
Mountville (C&D Landfill)	181.33
Reed Road	152.90
Total	6,613.68

All twelve convenience centers are in need of repair. Repairs to five priority sites – Work Camp, Hillcrest, Mobley Bridge, Lloyd Tatum, and Gray Hill – would cost an estimated \$214,189, in 2008 dollars, as shown in Tables 4-3 and 4-4. Table 4-5 adds these recommended capital improvements to the yearly cost of operating all 12 sites.

These budget priorities and convenience center configuration will change if Troup County decides to move forward with curbside garbage collection.

**Table 4-3
Capital Improvement Needs at
5 Troup Convenience Centers, 2008**

	Lloyd Tatum	Work Camp	Hillcrest	Gray Hill	Mobley Bridge
Compactor Pad	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800
Open Top Pads	\$ 1,800	\$ 3,552	\$ 1,800	\$ 900	\$ 900
Gravel	\$ 2,000	\$ 2,800	\$ 1,600	\$ 2,000	\$ 1,600
Asphalt	\$ 3,200	\$ 5,000	\$ 3,200	\$ 3,200	\$ 3,200
Septic Tank	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Fill Lines	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150
Water Line		\$ 1,325			
Compactor	\$ 37,202 (2)			\$ 18,601	\$ 18,601
Total	\$ 47,152	\$ 15,627	\$ 9,500	\$ 27,651	\$ 27,251

**Table 4-4
Additional Capital Items Needed
5 Troup Convenience Centers, 2008**

4 Open Top Dumpsters	\$ 14,808
4 Compactor Canisters	\$ 25,212
Crew Cab Truck	\$ 20,000
Transport Van	\$ 20,000
Miscellaneous Tools	\$ 6,938
Total Other Capital	\$ 86,958

**Table 4-5
Total Recommended Expenditures
12 Troup Convenience Centers, 2008**

Line Item	Cost, \$
Operating Expenditures	\$ 655,881
Capital Expenditures, 5 centers	\$ 214,189
Total Operating plus Capital	\$ 870,070

Troup County residents may also contract directly with haulers of their choice for waste collection. C&C Sanitation has 1,500 subscribers in unincorporated Troup County. This number is growing as gas prices increase. C&C charges \$15 per month for individual household collection. At least 50 households have signed on with C&C recently because rising gas prices are prompting these households to pay for curbside collection rather than spend precious gas driving to convenience centers. C&C takes municipal solid waste to the LaGrange MSW landfill and “woody” wastes to the Sims Bark manufacturing plant in Woodbury, GA for re-use in the wood products manufacturing process.

In Troup County, the City of LaGrange owns and operates the MSW landfill, collects MSW and yard wastes from LaGrange residents, accepts MSW and yard wastes delivered from surrounding areas, and pipes methane from the landfill to Milliken and Interface carpet manufacturers, for their boilers, about 7 miles away. The City also has a small C&D landfill area here that is reaching capacity.

Troup County owns and operates the larger C&D landfill and the 12 convenience centers located throughout the unincorporated area for residents to drop off MSW, recyclables (newspapers, glass, aluminum cans and plastic bottles), and used appliances. From the convenience centers, Troup County takes the MSW to the LaGrange landfill and brings the white goods to the C&D landfill. LaGrange sells the recyclables collected at the convenience centers. LaGrange has an agreement with Troup County that requires LaGrange to deliver at least 1,200 tons per year of C&D to the County’s C&D landfill, while Troup County delivers at least 1,200 tons per year of municipal solid waste to LaGrange’s landfill.

Table 4-6 summarizes collection programs in Troup County and Hogansville.

Table 4-6 -- Collection Programs Serving Troup County and Hogansville

Type	Collector	Program Description	Jurisdictions Served	Sectors Served ¹	Number of Households/Businesses served, if available	Contractual Arrangements
Curbside Collection	C&C Sanitation	Weekly curbside collection of garbage	City of Hogansville	R	1,300	C&C has exclusive contract with City.
Curbside Collection	City staff: "2 Men & a Truck"	Weekly Yard Waste Collection	City of Hogansville	R	1,300	Public Service
Curbside Collection	City staff: "2 Men & a Truck"	Weekly Bulky Item Collection	City of Hogansville	R	1,300	Public Service
Curbside Collection	C&C Sanitation	Weekly residential garbage and recyclables.	Troup County	R, C	1,500 households	Subscription
Staffed Drop-Off	Troup County	Convenience Centers for garbage and recyclables	Troup County	R	About 8,500 households	No charge to residents. City of LaGrange collects and markets the recyclables.
C&D Drop-Off	Troup County	C&D Landfill open every day but Sun.	Anyone	R, C, I, C&D		Tip fees
Curbside Collection	City of LaGrange	Weekly or twice weekly collection	Troup, Hogansville schools, other	R, C, I, schools		Subscription
MSW Drop-Off	City of LaGrange	City MSW landfill	Large service area	R, I, C, C&D		Tip fees
Curbside Collection	Various private	Weekly collection of MSW, other	Open service area, except Hogansville residential	R, I, C, C&D	About 14,300 households	Subscription

¹ R= Residential, I=Institutional, C= Commercial, CD= C&D
Sources: C&C Sanitation, City of Hogansville, Troup County

4.1.2 Contingency Strategy

If the City of Hogansville's weekly garbage collection were threatened with interruption, the City could contract with another hauler, including City of LaGrange, to maintain garbage pickup.

If one or more of the County's convenience centers were closed for some reason, residents could be directed to use one of the other convenience centers, or to take their garbage directly to the landfill.

It would likely take 3 to 4 days for such arrangements to be made. Residents would receive instruction through the County website, *LaGrange Daily News*, local television (TV 33) and/or local radio.

4.1.3 Disaster Debris Management – Collection Strategy

Recent waste generating disasters in Troup County have included windstorms and ice storms. After a 2007 ice storm, Troup County saw an increase in C&D brought to the County landfill – from 13,630 tons of C&D in 2006, to 23,736 tons in 2007.

Both Troup County and City of Hogansville are prepared to handle these and other waste generating disasters. C&D waste from such disasters in Troup County can be accepted at the Troup C&D landfill. C&D waste from such disasters in Hogansville would be taken to the City's inert landfill. Each of these landfills has chippers. Hogansville's residential waste hauler, C&C Sanitation, has a chipper also, at its LaGrange headquarters site. Woody waste would be chipped and then made available for public use. Chipped waste could also be sent to the Sims Bark manufacturing plant in Woodbury, Georgia for reuse.

Waste disasters involving municipal solid waste would be taken to the LaGrange City MSW landfill and/or Salem landfill, with which C&C Sanitation has a contract guarantee.

It would likely take 3 to 4 days for such arrangements to be made. Residents would receive instruction through the County website, *LaGrange Daily News*, local television (TV 33) and/or local radio.

4.2 Assessment of Collection Programs

Unincorporated Troup County has an estimated 24,343 households. Troup households landfill, on average, about one ton of municipal solid waste per year.

The County's twelve convenience centers together receive about 6,613.68 tons of household waste per year, or about 30% of the household waste generated in Troup County. C&C Sanitation collects solid waste from 1,500 unincorporated Troup customers. This means another 16,000 households in Troup are not regularly using the convenience centers or subscribing with C&C Sanitation. These households are free to subscribe with other haulers.

C&C reports that about 50 of their subscribers are new customers who, due to rising gas prices, would rather pay \$15 per month to have their waste collected curbside than spend valuable gas driving to the convenience centers.

A curbside household garbage collection system in Troup County, if serving 11,600 households and charging \$12 per household per month, would yield \$1,670,400 in revenue. According to preliminary estimates by Troup County Corrections, this would require:

- 4 weekly routes with 5 operators, 10 inmates, 1 supervisor and 6 trucks
- \$1,533,520 initial capital cost for the system – including trucks, cans, crew pick-up and operations base
- \$679,259 per year in annual operating and capital cost after the initial costs.

As population grows in Troup County and Hogansville, schools will grow too. It will be important to keep convenience centers near growing population nodes and schools. Hogansville will need a convenience center for recyclables. The County and City should also reconsider curbside collection of recyclables, particularly in areas that become more densely developed.

Troup County's convenience centers, the Troup County C&D landfill and LaGrange MSW landfill perform an important function not only by receiving "regular" garbage, but by also accepting, and selling or otherwise properly disposing, difficult items such as white goods (refrigerators, etc.), furniture and tires. Troup County and its cities enjoy proximity to Atlanta recycling markets, willing to come here to pick up the recyclables. Rising oil prices will continue to make recyclables more valuable.

Both the City and County are collecting, diverting and chipping yard wastes, but not reusing much of it.

While the Troup C&D landfill is open to anyone, an estimated 85% of the tonnage received there is from unincorporated Troup County. In this rapidly developing County, Troup's C&D landfill received 23,736 tons of construction and demolition debris in 2007. About 5% of this was recycled, but 20% was material, including carpet, that could have been diverted at the landfill and recycled if the County were to improve its recycling collection infrastructure at that site.

Hogansville's municipal solid waste collection system is working smoothly. C&C provides good weekly curbside service. This service is complemented by the City's "2 Men and a Truck" program that sends two city staffers around town each week to collect yard wastes and bulky items, including material from evicted houses. The City charges its residents \$15.50 per household for monthly garbage collection, and augments these funds for the City's sanitation program with a portion of the City's hotel-motel tax revenues dedicated to beautification.

4.3 Inventory of Illegal Dumping/Littering

Each August, Keep Troup Beautiful conducts its Countywide Litter Index. The Litter Index is a measure of litter, ranging from 1 (clean) to 4 (very littered). The local team travels approximately 200 miles of roads in the county, looking for scattered litter and unsightly areas. Over the past five years, the overall rating has been gradually increasing, from 1.54 in 2004, to 2.10 in 2007.

In Troup County, illegal dumping and littering can be found in secluded areas, along rural roadways, dirt roads, and at West Point Lake. When convenience centers are closed (for holiday or other reason), people toss garbage over the fence. Troup County's Codes Enforcement Officer inspects illegal dumps, looking for evidence of the dumper's "signature," and handles the cases as code violations.

If the trash was just dumped, the Officer makes the offender clean it up. If the litter appears to be something like paint, the Enforcement Officer contacts Environmental Protection Division and gets a site visit from them. Fines were upped in Spring of 2008, from \$100-\$150 for first offence, to \$375 for first household garbage offence and \$500 for first non-residential offence. Two offenders have gone to jail for not appearing in Court.

In Hogansville, a chronic dump area is a lushly overgrown bend on Cranston Street, one of the City's four dirt roads. Only one person lives on this street, on the Poplar Street side. The City plans to close Cranston Street from that point back. The City has also dedicated 2007 SPLOST funds to pave the City's remaining dirt roads – Boozer Street, Hutchins-Moody Road and Russell Road, as well as the small spurs at Cranston Road (the part not closed off), Baptist Drive and Springfield Heights.

Community service workers collect trash along roadways. Troup County and City of Hogansville provide funds to Keep Troup Beautiful, the local sponsor of the Great American Cleanup and Litter Index each year.

The County and City also support the West Point Lake Coalition, which sponsors cleanup events at the lake.

4.4 Assessment of Programs to Address Illegal Disposal / Dumping

Troup County has sufficient resources to fight illegal disposal and dumping, including:

- Strong zoning ordinance and Codes Enforcement,
- Access to County prison inmates and Community Service Workers, and
- The Keep Troup Beautiful organization.

Tire and mattress disposal is a problem. The \$2 per tire fee discourages residents from taking these tires to collection centers such as gas stations.

Rising gas prices make it difficult for residents to take tires or other recyclables to the nearest convenience center.

The City of Hogansville is fighting blight with plans to pave the city's remaining dirt roads.

4.5 Needs and Goals

Needs

- 1) Troup County's convenience centers need improvements.
- 2) Locate new convenience centers near population nodes.
- 3) Troup County should consider curbside collection of municipal solid waste.
- 4) Hogansville residents have no convenient place to drop off recyclables.

- 5) Illegal dumping takes place in secluded areas, along dirt roads, and at West Point Lake.
- 6) Tires and mattresses are difficult to legally dispose.
- 7) Litter prevention education is needed at the public school level.
- 8) Local blight promotes littering and illegal dumping.

Goals

- 1) Improve and maintain Troup County convenience centers as needed.
- 2) Locate a recyclables collection station in Hogansville.
- 3) Consider curbside collection of municipal solid waste (Troup County).
- 4) Consider curbside recycling (both City and County) as a means to discourage dumping.
- 5) Promote and conduct a regular curbside tire and mattress pickup day.
- 6) Continue to support Keep Troup Beautiful and cleanup events such as Great American Cleanup.
- 9) Make litter control part the Troup School System's new comprehensive recycling plan.
- 10) Continue local government efforts to remove local blight.
- 11) Close or pave Hogansville's remaining dirt roads.
- 12) Promote incentives and awards for property improvements.

Section 5 Disposal Element

5.1 Inventory of Solid Waste Disposal Facilities

Troup County and Hogansville use the following waste disposal facilities:

- 1) City of LaGrange I-85/SR 109 Municipal Solid Waste Landfill
- 2) Troup County C&D Landfill
- 3) City of Hogansville Inert Landfill

City of LaGrange Municipal Solid Waste Landfill

The City of LaGrange I-85/SR 109 MSW Landfill (Permit No. 141-013D(SL)) is located at 2219 Greenville Road, just east of the city limits. This is a City-owned and operated landfill. The facility accepts wastes ranging from household to industrial.

According to the Georgia Environmental Protection Division, the landfill had a remaining capacity of 2,112,264 cubic yards in 2007. With an average daily fill rate of 497 cubic yards (360 tons), this landfill has approximately 15 years of remaining capacity at this point.

The C&D portion of this landfill had a remaining capacity of 101,184 cubic yards in 2007, according to EPD. With average daily tons of 75 and a fill rate of 115 cubic yards per day, this C&D landfill has an estimated fill date of April 26, 2010.

Troup County C&D Landfill

The Troup County C&D Landfill (Permit No. 141-023D(SL)) is a County-owned and operated landfill located at 174 Parmer Road, just east of the City MSW landfill. This landfill had a remaining capacity of 67,266 cubic yards in 2007, according to EPD.

Troup County is currently petitioning EPD for an expansion of the facility. In conjunction that request, Turnipseed Engineers recently completed a landfill expansion study for the County. The firm surveyed landfill capacity as part of that study, finding that this landfill has 6.49 years of capacity from July 1, 2008. This will carry the landfill to December 28, 2014. Appendix D provides Troup County's preliminary 2008 C&D Landfill Capacity Report.

City of Hogansville Inert Landfill

The City of Hogansville maintains a leaf and brush landfill on the north side of town, with a part-time worker operating an onsite chipper. The City mulches 75-90% of the leaves they collect and chips most of the limbs onsite. This landfill is located at Lincoln and Askew (Old Blue Creek Road). This is a former (closed) landfill site. The City brings approximately 6,750 cubic yards of brush and leaves to this landfill per year.

Thermal Treatment Technologies

In 2001, local manufacturer Interface Flooring approached the City of LaGrange expressing interest in purchasing green energy to offset the company's use of fossil fuel. An evaluation of several alternatives led to the local landfill.

To best capture landfill gas, the LaGrange MSW landfill was converted from a "dry tomb" facility to a bioreactor landfill. Bioreactors generate landfill gas more quickly, efficiently and cleanly than traditional landfill decomposition. The City is now piping methane gas 7 miles to Interface Flooring and Milliken manufacturers for use in their boilers.

Coupled with a vertical expansion now underway, the conversion to bioreactor will double the LaGrange landfill's lifespan. Preliminary designs indicate that the landfill will reach disposal capacity in 30 years and produce economically viable quantities of landfill gas for the next 50 years.

Nationally, only 10% of landfill gas-to-energy potential is being tapped. According to the U.S. Department of Energy, the nation's landfills could provide an over 270 billion cubic feet of methane per year, equivalent to one percent of U.S. electrical needs, if controlled bioreactor technology were applied to 50% of all waste currently landfilled.

As the price of fossil fuel and landfill continues to rise, methane gas-to-energy will become increasingly attractive to local government and industries.

**Table 5-1
Disposal Facilities and Thermal Treatment Technologies
To Be Used During the Planning Period
(2008-2018)**

Facility Name	Jurisdiction(s) Using Facility	Physical Address	Owner/ Operator	Facility Type	Types of Waste Accepted	Year Expected to Reach Capacity
LaGrange MSW Landfill	Troup County, Hogansville	2219 Greenville Road, LaGrange	City of LaGrange	MSW, landfill gas bioreactor	MSW, C&D	2030
Troup County C&D Landfill	Troup County, City of Hogansville	174 Parmer Road, LaGrange	Troup County	C&D, inert	C&D, inert	2012 (expansion permit requested)
Hogansville Inert Landfill	City of Hogansville	Lincoln & Askew Streets, Hogansville	City of Hogansville	Inert	Leaves, brush	2028

5.1.1 Assurance of 10-Year Capacity

Appendix A provides a letter from the City of LaGrange landfill assuring 10-year capacity for Troup and Hogansville's municipal solid waste.

Contingency Strategy

In the event of a natural disaster or other event that may interrupt the flow of garbage pickup or generate an inordinate amount of additional waste, the County and City of Hogansville have access to a number of regional landfills in close proximity to the planning area. One is located in Salem, Alabama. Hogansville's curbside garbage collector, C&C Sanitation, has an agreement with the Salem landfill to accept waste from C&C. This contingency plan could therefore be put in place relatively quickly, likely within a week. For Troup County's MSW disposal, contingency plans would be coordinated with City of LaGrange, who currently collect MSW from the County's twelve blue boxes.

An additional regional landfill (Turkey Run) is under development just east of Hogansville. The 300-acre Turkey Run MSW landfill was first proposed in 2005. Its developer is Greenbow LLC of Alabama. Local groups have sought injunctions against this project, but the Fulton County Superior Court ruled twice that the landfill can be constructed. Both the City of Hogansville and Troup County have met with Greenbow to discuss tip fees.

The landfill site will include an industrial park. Kia supplier Dongwon was the first business to announce it will locate in the park. Dongwon plans to open by December 2008, and the adjacent Turkey Run landfill is planning to move forward with construction as soon as the Superior Court Judge rules on the final (third) injunction in September 2008. Figure 5-1 provides information on the Turkey Run Landfill – Meriwether Industrial Park property.

Troup County is currently seeking approval from Georgia EPD for expansion of the County's C&D landfill, which has a current estimated fill date of December 30, 2014. If for any reason this landfill couldn't be used, the County and City of Hogansville could utilize other C&D landfills in the region (including Harris and Muscogee Counties) for the County and City's own C&D disposal needs. These contingency plans could be put in place within a week.

Meriwether Park Local Services

Labor Supply and Training

One of Meriwether County's top assets is a highly-trained and dedicated workforce prepared for the demands of the auto industry, where precision and technical know-how are of paramount importance.

The region in which Meriwether Park is located already offers a large workforce poised to support new industry.

According to the Georgia Department of Labor, in March 2006:

- Meriwether County had a civilian labor force of 10,338 workers with an unemployment rate of 6.3 percent.
- The eight-county region that includes Meriwether, Coweta, Harris, Pike, Spalding, Talbot, Troup and Upson counties had a total labor force of 165,490 workers with an unemployment rate of 5.8 percent.

Local Education Ready for New Industry

To train these workers for the highly-skilled jobs that Meriwether Park promises to bring, the region offers a number of technical colleges within a short drive of the facility. West Georgia Technical College, located about 10 minutes from Meriwether Park in LaGrange, is part of the Georgia Department of Technical and Adult Education.

Earlier this year, the college introduced a new automotive engineering program designed specifically to prepare local residents to work in the proposed Kia plant. The program offers a two-year associate's degree in automotive manufacturing technology and a one-year certificate for aspiring automotive assembly technicians.

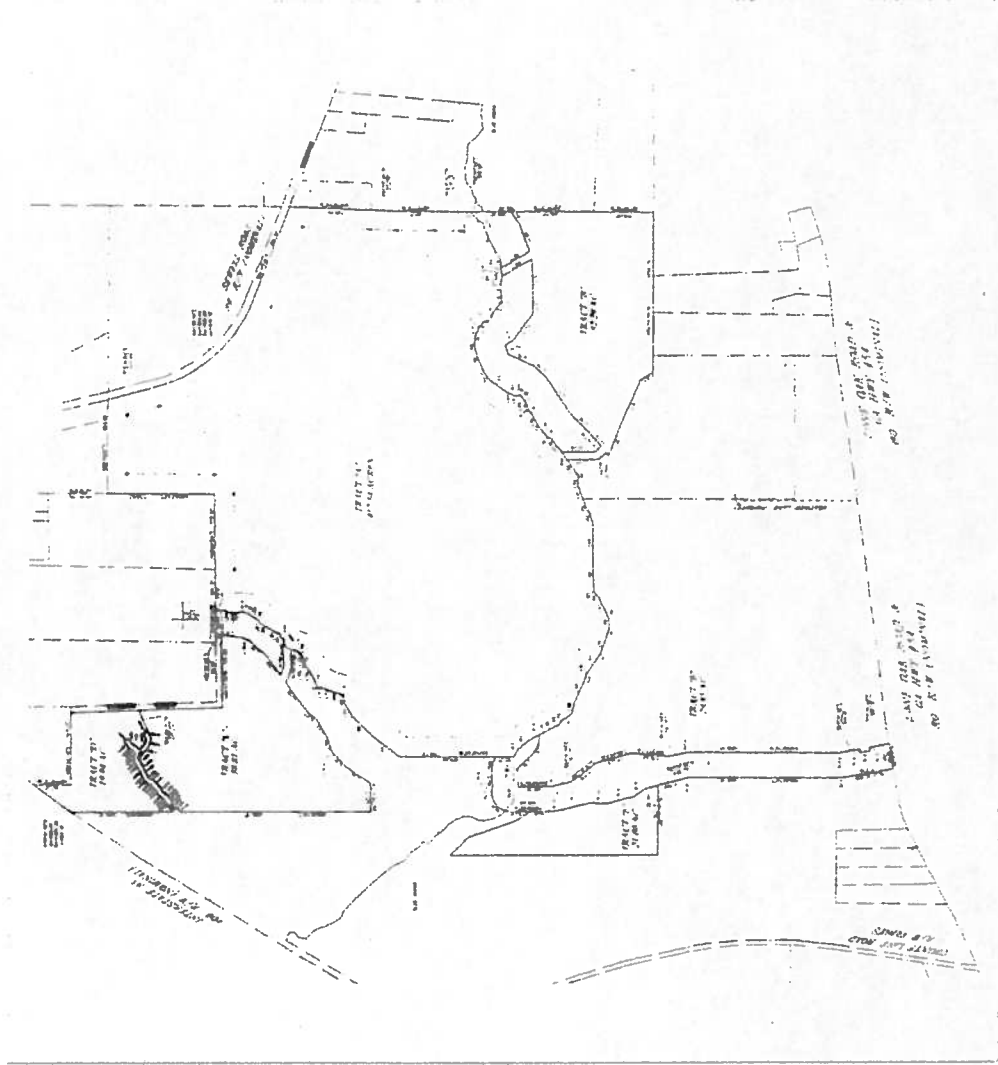


In addition to programs offered at its main campus in LaGrange, West Georgia Technical College also offers classes at:

- Satellite campuses in the towns of Greenville in Meriwether County, West Point in Troup County and Franklin in Heard County.
- The Manchester High School Annex in Manchester.
- The Luthersville Municipal Complex in Luthersville.

By the time Meriwether Park and the new Kia plant are constructed and open for business, many local workers will have the education and training to fill positions that become available.

Turkey Run Landfill Survey



Outline of Co-existing Meriwether Projects

- Our development in Northern Meriwether County, Georgia is a pioneer example of how to develop large tracts of land into several co-existing projects.
- The Master Plan of the entire development encompasses 1,772 acres of land for 3 different project uses.

Those Projects are:

- 328 acres for stream restoration - developed by Blue Creek Basin LLC
- 693 acres for a commercial & industrial park - developed by GreenLand LLC
- 751 acres for landfill & landfill facilities - developed by Greenbow LLC

Turkey Run Landfill

- ❑ Issued Solid Waste Handling Permit December 21, 2007
- ❑ Landfill total project acreage is 751 acres
 - ❑ As permitted, the facility will consist of 417.54 acres
 - ❑ The permitted area for the disposal of waste is 192.59 acres

Disaster Debris Management – Disposal Strategy

Recent waste generating disasters in Troup County have included windstorms and ice storms. After a 2007 ice storm, Troup County saw an increase in C&D brought to the County landfill – from 13,630 tons of C&D in 2006, to 23,736 tons in 2007.

Both Troup County and City of Hogansville are prepared to handle these and other waste generating disasters. C&D waste from such disasters in Troup County can be accepted at the Troup C&D landfill. C&D waste from such disasters in Hogansville would be taken to the City's inert landfill. Each of these landfills has chippers. Hogansville's residential waste hauler, C&C Sanitation, has a chipper also, at its LaGrange headquarters site. Woody waste would be chipped and then made available for public use. Chipped waste could also be sent to the Sims Bark manufacturing plant in Woodbury, Georgia for reuse.

Waste disasters involving municipal solid waste would be taken to the LaGrange City MSW landfill and/or Salem landfill, with which C&C Sanitation has a contract guarantee.

It would likely take 3 to 4 days for such arrangements to be made. Residents would receive instruction through the County website, *LaGrange Daily News*, local television (TV 33) and/or local radio.

5.2 Assessment of Disposal

The City of LaGrange received EPD permission for vertical expansion of the LaGrange MSW landfill in October 2007. Currently underway, vertical expansion of Cell Four (Phase I) is scheduled for completion by the end of 2008. Phase II (Cell Five) expansion is scheduled for completion in 2016. This landfill has a current estimated fill date of March 18, 2022. The vertical expansion will add eight years to that date.

Troup County's C&D landfill has an estimated fill date of December 30, 2014. The County is currently seeking EPD approval for expansion of this facility. Should this approval not be forthcoming, Troup County and City of Hogansville can use a number of other C&D landfills in the region for the County and City's own construction and demolition debris.

5.3 Statement of Needs and Goals

Needs

- 1) Troup County needs to continue working with Georgia EPD for a permit to allow vertical expansion at the County's C&D landfill.
- 2) At the County's C&D facility, the County needs to minimize amount of waste landfilled and maximize amount of waste diverted and recycled.
- 3) As gas prices increase, Troup County and City of Hogansville need to maintain local options for solid waste disposal.

Goals

- 1) Secure EPD approval for vertical expansion at the County's C&D landfill.
- 2) Move forward with plans for an aggressive recycling program at this landfill.
- 3) Continue (Troup County and City of Hogansville) to discuss tip fees with the Turkey Run Landfill owners.

Section 6 Land Limitation Element

6.1 Land Areas

6.1.1 Areas with Natural Environmental Limitations

Troup County and City of Hogansville have abundant natural resources. These resources are vital environmental, recreational and economic assets. Figure 6-1 shows land areas in Troup County and Hogansville, which, due to natural environmental limitations, are considered unsuitable for development of recycling, recovery, composting, or solid waste disposal facilities.

The Georgia Planning Act of 1989 includes minimum standards and procedures generally known as the “Environmental Planning Criteria” or “Part 5 Criteria” (from Part 5 of House Bill 215, which became the Georgia Planning Act). To be eligible for certain state grants, loans and permits, local governments must implement regulations consistent with these criteria.

The Rules for Environmental Planning Criteria (Chapter 391-2-16) were developed by Georgia Department of Natural Resources. These rules direct local governments to establish local protection efforts to conserve critical environmental resources. Part 5 Criteria are divided into five parts:

- Water Supply Watersheds
- Groundwater
- Wetlands
- Protected Rivers
- Protected Mountains

In 1999, Troup County adopted local ordinances for four of these five resource protection areas. All five of these areas are briefly addressed below, as applicable to the location or expansion of solid waste handling facilities. The City of Hogansville has not yet adopted protective Part V ordinances.

Water Supply Watersheds

Georgia Department of Natural Resources Rule 391-3-16.01(7)(c)1 requires that any solid waste facility located in a small water supply watershed must have synthetic liner and leachate collection system.

There are two water supply watersheds in Troup County and Hogansville subject to state requirements for the protection of water quality. The first is the Flat Creek and Blue Creek Watershed in Hogansville, which is also partially located in Meriwether County. The other is the Chattahoochee River just below the West Point dam. Troup County has adopted watershed protection ordinances for the portions of these two water supply watersheds in unincorporated Troup County.

Groundwater Recharge Areas

Troup County has an ordinance for protection of groundwater recharge areas, in compliance with the State's Environmental Planning Criteria for Groundwater Recharge. The ordinance includes a designated Groundwater Protection District. Land uses are limited and lot sizes are larger in designated groundwater recharge areas.

Wetlands

Troup County adopted a Wetland Protection Overlay District as part of the County's 1999 Zoning Ordinance update. This ordinance complies with the State Rules for Environmental Planning Criteria, and was approved by the State Department of Community Affairs.

Protected River Corridors and Protected Mountains

The Chattahoochee River is a protected river corridor. Troup County created a River Corridor Protection District in 1999.

There are no protected mountains in Troup County. However, should an area in Troup County or City of Hogansville be designated as a protected mountain in the future, DNR's Part V Environmental Planning Criteria will apply.

6.1.2 Areas with Land Use Limitations

Local Zoning/Land Use Ordinances

Figure 6-2 provides the Hogansville Zoning Map, and Figure 6-3 the Troup County Zoning Map. Both jurisdictions have zoning ordinances. Neither jurisdiction allows landfills within its corporate limits. Also, Troup County has additional ordinances specifically addressing Georgia's Part V Environmental Planning standards, as noted above. These environmental ordinances function as overlay districts on the County's Zoning Ordinance.

In Hogansville, recycling centers with processing facilities are allowed in the General Commercial or General Industrial zones. In Troup County, recycling centers with processing facilities are permitted uses in the General Industrial zones, and special uses in the Light Industrial zones.

Applicants should always check with County or City for the latest applicable ordinances and maps, as these are periodically updated. Both Troup County and City of Hogansville are currently updating their Zoning Ordinances and Maps.

Airport Safety

DNR rules prohibit the location of solid waste facilities or any lateral expansion of such facilities within 10,000 feet of a Level III airport.

Flood Plains

DNR Rule 391-3-4-0.5(1)(d) states that a solid waste facility cannot restrict to flow of a 100-year flood. Figure 6-1 includes 100-year and 500-year flood areas.

Wetlands

Troup County adopted a Wetland Protection Overlay District as part of the County's 1999 Zoning Ordinance update. This ordinance complies with the State Rules for Environmental Planning Criteria, and was approved by the State Department of Community Affairs.

Fault Areas, Seismic Impact Areas, and Unstable Areas

DNR Rule 391-3-4-.05(1)(f) stipulates that:

- No new solid waste handling facility shall be located within 200 feet of a fault that has had displacement in the Holocene Epoch,
unless
- The owner or operator can demonstrate that an alternative setback distance of less than 200 feet will prevent damage to the structural integrity of the facility,
and
- Will be protective of human health and the environment

DNR Rule 391-3-4-.05(1)(g) stipulates that:

- No new solid waste facility may be located in a seismic impact zone,
unless
- The owner or operator can demonstrate that all containment structures are designed to resist the maximum horizontal acceleration in lithified earth material for the site.

DNR Rule 391-3-4-.05(1)(h) stipulates:

- Owners or operators of any potential new solid waste handling facilities located in unstable areas must demonstrate that engineering measures have been incorporated into the facility's design to ensure that the structure's integrity will not be disrupted.

Significant Groundwater Recharge Areas

DNR Rule 391-3-4-.05(1)(j) stipulates that any solid waste facility within two miles of a significant groundwater recharge area must have a liner and leachate collection system. Also, no solid waste handling facility that accepts waste from outside Troup County, nor any part of that facility's site, shall be located in an area designated as a significant groundwater recharge area.

Prime Agricultural Land

Prime Agricultural Land is defined as areas with soil types ideally suited for crop production. The Natural Resources Conservation Service has identified a number of such areas in Troup County (including City of Hogansville). Soil types in these areas include Appling sandy loam, Cecil sandy loam, Davidson loam all at 2-6% slopes, and Madison areas adjacent to waterways. Troup County and Hogansville will direct solid waste handling facilities away from these areas.

National Register Sites

Troup County and Hogansville's historic resources are important cultural, educational and economic assets. Solid waste handling facilities should not be located within view of National Register properties or districts. National Register listings in unincorporated Troup County currently include:

- R. M. Jones General Store at 6296 Whitesville Road, intersection of SR 18 and SR 219 in southern Troup County, LaGrange vicinity. Built c. 1903; listed in the National Register in 2008.
- Fannin-Truitt-Handley Place, at 2159 Whitesville Road (SR 219), LaGrange vicinity. 290 acres with 8 buildings and 1 other structure dating from 1825. National Register listed in 1998.
- Long Cane Historic District, north of West Point on U.S. 29. District covers 1,500 acres, with 6 buildings and 2 other structures, dating from 1825. National Register listed in 1976.
- Mays-Boddie House, located on SR 109 near Mountville. Built c. 1828-1830; National Register listed in 1982.
- Potts Brothers Store, one mile southeast of US 29 on Gabbetville Road. Built around 1894; National Register listed in 1982.
- Nathan van Boddie House, located 7 miles east of LaGrange in the Mountville community on LaGrange-Mountville Road. Constructed c. 1836. National Register listed in 1977.

National Register Listings in City of Hogansville include:

- East Main Street-Johnson Street Historic District, in downtown Hogansville. Covers 850 acres with 90 buildings and 2 other structures, dating from 1825. National Register listed in 2000.
- Stark Mill and Mill Village in the north area of town. Covers 1,950 acres with 324 buildings and 3 other structures, dating from 1875. National Register listed in 2000.
- Royal Theater on East Main Street in the center of town. Built 1937. National Register listed in 2001. Currently serving as City Hall.

In addition, most of Hogansville is part of a City-designated, DNR approved, Local Historic District.

6.2 Local Procedures for Siting Solid Waste Facilities

Troup County and the City of Hogansville will use all of the factors listed above in reviewing local permit requests for solid waste handling facilities. All solid management facilities must show consistency with this ten-year solid waste plan, and will be reviewed by the County or City Planning Commission prior to County Commission or City Council action. All County and City Planning Commission meetings, as well as the Troup County Board of Commission and Hogansville City Council meetings, are public meetings, locally advertised in advance in the *LaGrange Daily News*. TV 33 also televises all Troup Board of Commission and Hogansville City Council meetings.

Solid waste facilities will be restricted to zoning districts designated or permitted for them. When the use is designed as a special use, special public hearings will be required. Public hearings will be advertised for comments.

As part of its compatibility review, the City Planning Commission will consider potential impact of the proposed facility on the local solid waste management infrastructure, local collection capability and capacity, and City's waste disposal reduction goals.

Proposals to build or substantially expand any waste handling facilities will also be forwarded to the Chattahoochee-Flint Regional Development Center for Development of Regional Impact review, which includes technical and intergovernmental review as well as public and regulatory agency notification.

As part of its DRI review, the Chattahoochee-Flint RDC alerts and invites comments from citizens, surrounding local governments, various local and state agencies, environmental groups, chambers of commerce and others – typically 30-35 identified stakeholders in all. If the subsequent RDC planning subcommittee recommendation is that the project is not in the best interest of the state, then the DRI proposal moves to the full RDC Board, for a regular meeting advertised in advance in all five member county official newspapers.

Troup County and City of Hogansville will develop Solid Waste Ordinances. These ordinances will set forth the specific provisions and protocols for siting solid waste management facilities. The County and City will review and amend their Zoning Ordinances as needed to coordinate with their Solid Waste Ordinances. If any part of the Zoning Ordinance and Solid Waste Ordinance should conflict, the more stringent will apply, but this will not void any other part of either the Zoning Ordinance, Solid Waste Ordinance, Solid Waste Plan or State or federal law.

6.3 Assessment of Land Limitation

West Point Lake, the Chattahoochee River, water supply watersheds (including significant water supply watersheds), wetlands, floodplains, groundwater recharge areas and prime farmland together cover more than half the land area of unincorporated Troup County. This historic county also has significant concentrations of National Register properties and districts.

Troup County has adopted protective ordinances and overlay districts to comply with Georgia's Part 5 Environmental Planning Criteria. These ordinances and districts cover water supply watersheds, groundwater, wetlands and protected rivers. The Chattahoochee River is a protected river.

The Troup County Zoning Ordinance does not allow sanitary landfills. Recycling centers with processing facilities are Permitted Uses in the County's General Industrial zones, and Special Uses in the Light Industrial zones.

In Hogansville, the City's two large National Register districts cover much of the city limits. The Hogansville Zoning Ordinance does not allow landfills. Recycling centers with processing facilities are allowed in the City's General Commercial or General Industrial zones.

The City of Hogansville has not adopted its own Part V environmental standards. Part V standards will still apply, however, to the location and/or expansion of any solid waste handling facilities in this solid waste planning area, in accordance with this 2008-2018 Solid Waste Plan.

Both Troup County and City of Hogansville are currently updating their Zoning Ordinances.

6.4 Needs and Goals

Needs

- 1) Troup County and City of Hogansville need specific protocols for reviewing proposed solid waste facilities.
- 2) These siting protocols, as well as this 2008 –2018 Solid Waste Management Plan, should be referenced in the City and County Zoning Ordinances.
- 3) Hogansville needs to adopt Georgia Part V environmental protection ordinances as required by Georgia Department of Community Affairs.

Goals

- 1) Troup County and City of Hogansville will adopt Solid Waste Ordinances, and make these ordinances part of their new Zoning Ordinances updates.
- 2) When these Solid Waste Ordinances have been adopted, this 2008-2018 Solid Waste Plan will be amended to reference the new County and City Solid Waste Ordinances.
- 3) City of Hogansville will adopt environmental protection ordinances compliant with the State's Part V Criteria. These ordinances will be compatible with Troup County's Part V ordinances, and also be made part of the Hogansville Zoning Ordinance.

Section 7 Education and Public Involvement Element

7.1 Existing Public Education Programs and Public Involvement Opportunities

Troup County Schools

There are thirteen public schools in unincorporated Troup County and City of Hogansville, with 7,613 students total. Troup County schools are disposing 7,027 tons per year, or 0.61 pounds per Troup County resident per day, and the Hogansville Elementary School is disposing 518 tons per year, or 0.98 pounds per Hogansville resident per day, of municipal solid waste.

These schools present tremendous opportunities for recycling and source reduction education as well as for recycling and source reduction at the schools themselves.

As a whole, the Troup County School system does very little recycling. Individual schools participate in recyclables projects during the school year. The recyclables collected are taken to the LaGrange recycling center on Davis Road.

The Troup County Board of Education is currently working with Keep Troup Beautiful to develop a comprehensive recycling plan.

Georgia Green and Healthy School Program

The Georgia Green and Healthy Schools Program is a relatively new program coordinated by Environmental Education in Georgia to assist and support schools in understanding and practicing environmentally sound principles. Started in 2006 and open to all Georgia public and private/independent schools (grades K-12), the program provides environmental assessment tools to conduct school-based investigations, collect data, implement changes and track progress. Schools earn recognition and awards for their actions to reduce waste and pollution, improve air quality, conserve water and energy, enhance wildlife habitat, and integrate environmental education into their curricula.

The Troup County Board of Education is willing to consider this program in conjunction with the school system's upcoming recycling plan.

Keep Troup Beautiful

Keep Troup Beautiful was organized in the early 1990's, originally as an ad hoc committee charged with encouraging City of LaGrange to build its Davis Road Recycling Center. The committee later became a certified Keep America Beautiful Affiliate under the name Troup Clean and Beautiful, later changed to Keep Troup Beautiful.

Keep Troup Beautiful is funded by government funds and private contributions. Approximately 65% of the organization's budget is funded by Troup County and cities of Hogansville, LaGrange and West Point. Troup County contributes \$7,500 a year and City of Hogansville, \$1,000 per year to the organization.

Keep Troup Beautiful sponsors a number of local programs and events, including:

- Great American Cleanup each Spring,
- "Bring One for the Chipper" Christmas Tree recycling, teaming with sponsors that have included Home Depot, WXIA-TV (Atlanta's NBC affiliate), Davey Tree & Lawn Experts, and Georgia Department of Community Affairs,
- Local E-waste collection events,
- Countywide Litter Index each August,
- Waste in the Workplace half-day workshops, helping businesses learn how to conduct waste audits, identify recyclables, manage disposal costs and purchase recycled products,
- Workshops for local educators, using the national Keep America Beautiful curricula – *Waste in Place* for grades K-6, and *Waste: A Hidden Resource* for grades 7-12.

Keep Troup Beautiful manages the household recyclables delivered to the County's 12 convenience centers and LaGrange convenience center on Davis Road. The organization is also helping the Troup County Board of Education develop a comprehensive recycling plan.

Over the past 18 years, Keep Troup Beautiful has received numerous awards for its litter reduction, recycling, waste reduction and beautification efforts in Troup County.

Historic Preservation Commissions

Both Troup County and City of Hogansville are Certified Local Governments, with long established historic preservation ordinances, preservation commissions, local historic districts and design guidelines for those districts.

These Historic Preservation Commissions encourage building reuse, and discourage building demolition. They promote State and federal tax incentives for the sensitive rehabilitation of historic buildings. The commissions can also help sponsor yard beautification contests, incentives and awards.

Troup County Corrections Department

The County Corrections Department helps staff the County's C&D landfill and convenience centers. Community Service Workers help clean the County's roadsides.

West Point Lake Coalition

The West Point Lake Coalition sponsors regular litter cleanup events.

Public Involvement Opportunities

Additional organizations and opportunities for waste reduction education and involvement:

- Community events such as the annual Hummingbird Festival in Hogansville,
- The Hogansville Better Hometown group and Downtown Development Authority, which promote community betterment,
- Troup County's litter prevention codes and Codes Enforcement Officer,
- The LaGrange-Troup County Chamber of Commerce, which sponsors and conducts a range of events, publications and educational campaigns,
- West Georgia Technical College,
- Adopt-A-Mile and Adopt-A-Stream programs,
- The new RiverwaySouth organization, which promotes the Chattahoochee and Apalachicola Rivers,

- The Army Corps of Engineers' visitor center and museum at the West Point Lake dam, which counts 3 million visits to West Point Lake each year,
- The many new housing developments proposed for Troup County and Hogansville, which present opportunities for source reduction and recycling both during construction and as part of new building designs, and
- The Chattahoochee-Flint Regional Development Center, who are working on a website: "Developer Toolbox for Livable, Sustainable Development," and planning a "Building Green" developers workshop in conjunction with this new website.

7.2 Assess Adequacy of Environmental Education Initiatives

Troup County and Hogansville have access to a range of environmental education resources, including an active, nationally recognized Keep America Beautiful affiliate – Keep Troup Beautiful – and a Troup County Codes Enforcement officer supported by strong County codes.

The Troup County Schools are a major waste producer. With 13 schools with over 7,600 students in unincorporated Troup County and Hogansville, these schools represent a tremendous opportunity for waste reduction education. The goal will be not only to provide environmental education to students and teachers, but to reduce the schools' own waste.

Keep Troup Beautiful is currently working with the Troup County Board of Education to develop a comprehensive recycling plan for the schools. As the new plan is implemented, it will be critical to periodically check this program against the County and Hogansville's waste reduction priorities.

Construction and demolition waste will remain a growing component of the local waste stream. Public outreach on this front will be directed at builders and construction contractors, municipal public works officials, and the public at large. This education will take place as Troup County works to expand recycling at its C&D landfill.

C&D education tools will include brochures, flyers, newspaper and/or radio, and one-on-one meetings. Public information will stress how to recycle C&D materials at the C&D landfill, what materials can be recycled, how best to prepare a mixed load of C&D debris for recycling, and how the diverted materials will be recycled and/or reused.

One-on-one meetings with developers, builders and/or industries will also address ways to reduce the amount of C&D waste at the source.

Public outreach materials will be available at the County C&D landfill and LaGrange MSW landfill, the Troup County building permit office, schools and libraries, the LaGrange-Troup Chamber of Commerce, and at city halls and county courthouses throughout the service area.

Public education will be coordinated with the Troup Keep America Beautiful organization, and with the LaGrange recycling program.

7.3 Statement of Needs and Goals

Needs

- 1) The Troup County public schools need to strengthen their environmental education curricula.
- 2) Developers and construction contractors need education on waste reduction and recycling.
- 3) Adopt-A-Stream and Adopt-a-Mile programs should be strengthened in Troup County.
- 4) Local businesses need waste reduction education.

Goals

- 1) The Troup County Board of Education will adopt a comprehensive recycling plan.
- 2) With expanded recycling at the Troup County C&D landfill, materials diverted for recycling at this landfill will increase from 5% of the incoming C&D waste stream, to 20% of the C&D waste stream.
- 3) Adopt-A-Stream and Adopt-A-Mile programs will be strengthened in Troup County and Hogansville.
- 4) The Keep Troup Beautiful Waste in the Workplace workshops will be expanded.
- 5) The Chattahoochee-Flint Regional Development Center's "Developer Toolbox for Livable, Sustainable Development," program will include information on waste reduction and waste exchange.

Section 8 Implementation Strategy

8.1 Summary of Goals and Needs

Table 8-1 – Goals and Needs by Planning Element

Element	Description of Goal/Need	Jurisdiction
Waste Reduction	1. Expand recycling at Troup C&D landfill	Troup
Waste Reduction	2. Locate recycling drop-off in Hogansville	Troup
Waste Reduction	3. Improve waste reduction by schools	Troup BOE
Waste Reduction	4. Expand waste reduction education in schools	Troup BOE
Waste Reduction	5. Promote source reduction in government bldgs	Troup, Hogansville
Waste Reduction	6. Recycle chipped and woody wastes	Troup, Hogansville
Collection	7. Maintain, improve convenience centers	Troup
Collection	8. Consider curbside MSW collection	Troup
Collection	9. Consider curbside recyclables collection	Troup, Hogansville
Collection	10. Perform tire and mattress pickup	Troup, Hogansville
Collection	11. Support Keep Troup Beautiful	Troup, Hogansville
Collection	12. Continue to remove local blight	Troup, Hogansville
Collection	13. Promote incentives and awards for property improvements	Troup, Hogansville, civic groups
Disposal	14. Secure EPD permit for C&D landfill expansion	Troup
Disposal	15. Discuss tip fees w/ Turkey Run Landfill	Troup, Hogansville
Land Limitation	16. Adopt Solid Waste Ordinances	Troup, Hogansville
Land Limitation	17. Amend Solid Waste Plan to reference Solid Waste Ordinances	Troup, Hogansville
Land Limitation	18. Adopt Part V Environmental Criteria	Hogansville
Education, Public Involvement	19. Expand Adopt-A-Stream and Adopt-A-Mile	Troup, Hogansville
Education, Public Involvement	20. Expand Waste in Workplace training for businesses	Troup, Hogansville, Keep Troup Beautiful
Education, Public Involvement	21. Provide waste reduction information to developers, contractors	Troup, Chatt-Flint RDC

8.2 Implementation Strategy/Short Term Work Program

Table 8-2
Implementation Strategy – Troup County and City of Hogansville

Program/ Activity	Years Program/Activity Takes Place										Responsible Party	Estimated Cost	Funding Source			
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017				2018		
Waste Reduction Element Needs/Goals: 1, 2, 3, 4, 5, 6																
Expand recycling at Troup C&D landfill	X	X	X											Troup	\$62,600	GEFA, Troup
Locate recyclables convenience center in Hogansville						X	X							Troup	N/A	Developers, Turkey Run Landfill and/or Troup, H'ville
Adopt, implement comprehensive school recycling plan		X	X	X	X	X	X	X	X	X	X	X	X	Troup BOE, Keep Troup Beautiful	N/A	Troup BOE
Promote source reduction in gov bldgs	X	X	X	X	X	X	X	X	X	X	X	X	X	Troup, Hogansville	N/A	SW Budget
Recycle wood chips	X	X	X	X	X	X	X	X	X	X	X	X	X	Troup, Hogansville	N/A	SW Budget
Encourage residents to use fewer plastic bags.		X	X	X	X	X	X	X	X	X	X	X	X	Troup	\$1,000	SW Budget

Table 8-2 -- Implementation Strategy -- Troup County and City of Hogansville (continued)

Program/ Activity	Years Program/Activity Takes Place										Responsible Party	Estimated Cost	Funding Source			
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017				2018		
Collection Element																
Needs/Goals: 7, 8, 9, 10, 11, 12, 13																
Repair, improve 5 convenience centers		X	X											County	\$ 214,000	County
Develop curbside MSW collection program for 11,600 households				X	X	X	X	X	X	X	X	X	X	Troup	\$1,533,520 initial capital, then \$679,259 annual	County and Households @ \$12/mo.
Develop curbside recyclables collection program					X	X	X	X	X	X	X	X	X	Troup, Hogansville	N/A	N/A
Perform tire and mattress pickups		X	X	X	X	X	X	X	X	X	X	X	X	Troup, Hogansville	N/A	N/A
Support Troup Clean and Beautiful	X	X	X	X	X	X	X	X	X	X	X	X	X	Troup, Hogansville	\$7,500 - Troup \$1,000 - City	County, City
Continue to remove local blight	X	X	X	X	X	X	X	X	X	X	X	X	X	Troup, Hogansville	N/A	General Fund
Close Cranston Street		X												Hogansville	Part of \$2.5 million for roads	SPLOST
Pave Hogansville's remaining dirt roads		X	X	X	X									Hogansville	Part of \$2.5 million for roads	SPLOST

Table 8-2 -- Implementation Strategy -- Troup County and City of Hogansville (continued)

Program/ Activity	Years Program/Activity Takes Place										Responsible Party	Estimated Cost	Funding Source					
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017				2018				
Disposal Element Needs/Goals: 14, 15																		
Secure EPD Permit for C&D landfill expansion	X	X	X															
Discuss tip fees with Turkey Run landfill	X	X	X	X													N/A	N/A
Land Limitation Element Needs/Goals: 16, 17, 18																		
Develop, adopt Solid Waste Ordinance		X	X														N/A	General Fund
Amend Solid Waste Plan to refer to Solid Waste Ordinance			X														N/A	General Fund
Adopt Part V Environmental Criteria			X	X													N/A	General Fund

Table 8-2 -- Implementation Strategy -- Troup County and City of Hogansville (continued)

Program/ Activity	Years Program/Activity Takes Place											Responsible Party	Estimated Cost	Funding Source			
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018						
Education, Public Involvement Element																	
Needs/Goals: 4, 11, 19, 20, 21																	
Furnish KAB litter prevention video to schools		X	X	X	X	X	X	X	X	X	X	X	X	X	X	Troup BOE	
Develop waste management awards program			X	X	X	X	X	X	X	X	X	X	X	X	\$500/yr	Troup Chamber, Hogansville DDA, Keep Troup Beautiful	Troup BOE
Initiate GA Green & Healthy Program in 2 or more schools				X	X	X	X	X	X	X	X	X	X	X	N/A	Troup BOE, Env Ed of GA	Troup BOE
Provide waste reduction info at public venues and events	X	X	X	X	X	X	X	X	X	X	X	X	X	X	\$1,000	Troup, Hogansville, civic groups	Troup, Hogansville, civic groups
Expand Adopt-A-Stream & Adopt-A-Mile	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N/A	Troup, Hogansville	Civic groups
Provide waste reduction information to developers, contractors	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N/A	Chart-Flint RDC	Georgia DOT



September 16, 2008

Mr. Richard C. Wolfe, Chairman
Troup County Board of Commissioners
100 Ridley Avenue
LaGrange, Georgia 30240

Mr. Jimmy Jackson, Mayor
City of Hogansville
400 East Main Street
Hogansville, Georgia 30230

Dear Chairman Wolfe and Mayor Jackson:

This letter serves as a disposal capacity assurance from the City of LaGrange I-85/SR 109 Municipal Solid Waste Landfill for solid waste generated by Troup County and City of Hogansville from 2008 to 2018. The Georgia EPD permit number for this facility is Permit # 141-013D(SL). This assurance is based upon Troup County and City of Hogansville disposing approximately 60,000 tons of waste at this facility on an annual basis.

We thank Troup County and City of Hogansville for this business partnership and look forward to providing environmentally sound waste disposal options for the foreseeable future.

Sincerely,

A handwritten signature in black ink, appearing to read "David E. Brown".

David E. Brown
Director of Public Services
City of LaGrange, Georgia

Troup County

Resolution to Transmit
2008-2018 Solid Waste Management Plan

WHEREAS, The Georgia Comprehensive Solid Waste Management Act requires each county and municipal government to prepare a local solid waste management plan and periodic update, and

WHEREAS, Troup County, Georgia and City of Hogansville, Georgia have completed a 2008-2018 Joint Solid Waste Management Plan, and

WHEREAS, Troup County and City of Hogansville, Georgia have complied with the Rules of Georgia Department of Community Affairs Minimum Planning Standards and Procedures for Solid Waste Management (Chapter 110-4-3) including public participation requirements, with centrally located public hearings July 14, 2008 and September 15, 2008;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of Troup County that the document entitled *2008 – 2018 Solid Waste Management Plan for Troup County and City of Hogansville* may be sent to the Chattahoochee-Flint Regional Development Center and the Department of Community Affairs for review and approval.

SO RESOLVED, THIS 16th DAY OF September 2008 by the Board of Commissioners of Troup County.



Richard C. Wolfe, Chairman

ATTEST:



(Witness)

City of Hogansville

Resolution to Transmit
2008-2018 Solid Waste Management Plan

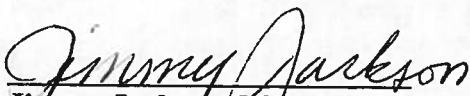
WHEREAS, The Georgia Comprehensive Solid Waste Management Act requires each county and municipal government to prepare a local solid waste management plan and periodic update, and

WHEREAS, Troup County, Georgia and City of Hogansville, Georgia have completed a 2008-2018 Joint Solid Waste Management Plan, and

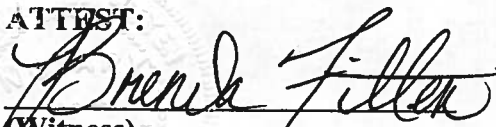
WHEREAS, Troup County and City of Hogansville, Georgia have complied with the Rules of Georgia Department of Community Affairs Minimum Planning Standards and Procedures for Solid Waste Management (Chapter 110-4-3) including public participation requirements, with centrally located public hearings July 14, 2008 and September 15, 2008;

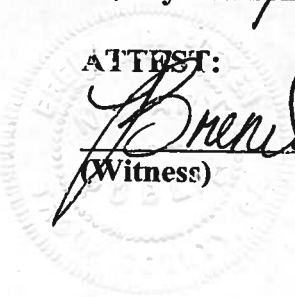
NOW, THEREFORE, BE IT RESOLVED by Hogansville City Council that the document entitled *2008 – 2018 Solid Waste Management Plan for Troup County and City of Hogansville* may be sent to the Chattahoochee-Flint Regional Development Center and the Department of Community Affairs for review and approval.

SO RESOLVED, THIS 15th DAY OF September 2008 by the City Council of the City of Hogansville.


Jimmy Jackson, Mayor

ATTEST:


(Witness)



Troup County

Resolution to Adopt
2008-2018 Solid Waste Management Plan


WHEREAS, The Georgia Comprehensive Solid Waste Management Act requires each county and municipal government to prepare a local solid waste management plan and periodic update, and

WHEREAS, Troup County, Georgia has compiled, reviewed and modified an update to the Solid Waste Management Plan for Troup County and the City of Hogansville, and

WHEREAS, Troup County, Georgia has complied with the Rules of Georgia Department of Community Affairs Minimum Planning Standards and Procedures for Solid Waste Management (Chapter 110-4-3) including public participation requirements;

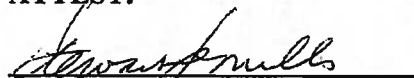
NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of Troup County that the document entitled *2008 – 2018 Solid Waste Management Plan for Troup County and the City of Hogansville* be officially approved and adopted.

SO RESOLVED, THIS 21st DAY OF October 2008 by the Board of Commissioners of Troup County.



Richard C. Wolfe, Chairman

ATTEST:



(Witness)

City of Hogansville

Resolution to Adopt
2008-2018 Solid Waste Management Plan

WHEREAS, The Georgia Comprehensive Solid Waste Management Act requires each county and municipal government to prepare a local solid waste management plan and periodic update, and


WHEREAS, the City of Hogansville, Georgia has compiled, reviewed and modified an update to the Solid Waste Management Plan for Troup County and the City of Hogansville, and

WHEREAS, the City of Hogansville, Georgia has complied with the Rules of Georgia Department of Community Affairs Minimum Planning Standards and Procedures for Solid Waste Management (Chapter 110-4-3) including public participation requirements;

NOW, THEREFORE, BE IT RESOLVED by the Hogansville City Council that the document entitled *2008 – 2018 Solid Waste Management Plan for Troup County and the City of Hogansville* be officially approved and adopted.

SO RESOLVED, THIS 20th DAY OF October 2008 by the Hogansville City Council.


Jimmy Jackson, Mayor

ATTEST:

(Witness)

November 3, 2008

Honorable Richard Wolfe
Chairman, Troup County Commission
Post Office Box 1149
100 Ridley Avenue
LaGrange, Georgia 30241

Dear Chairman Wolfe:

We have received notification that Troup County and the City of Hogansville has adopted the 2008 - 2018 Solid Waste Management Plan that meets the Minimum Planning Standards and Procedures for Solid Waste Management. Therefore, Troup County and the City of Hogansville have regained eligibility for solid waste permits, grants and loans.

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

Sincerely,



Mike Beatty
Commissioner

MB/kd

cc: Henry Booker, Executive Director, Chattahoochee-Flint RDC



November 3, 2008

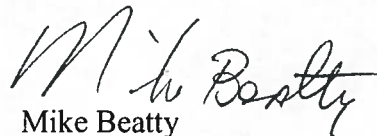
Honorable Jimmy Jackson
Mayor, City of Hogansville
400 East Main Street
Hogansville, Georgia 30230

Dear Mayor Jackson:

We have received notification that Troup County and the City of Hogansville has adopted the 2008 - 2018 Solid Waste Management Plan that meets the Minimum Planning Standards and Procedures for Solid Waste Management. Therefore, Troup County and the City of Hogansville have regained eligibility for solid waste permits, grants and loans.

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

Sincerely,



Mike Beatty
Commissioner

MB/kd

cc: Henry Booker, Executive Director, Chattahoochee-Flint RDC

October 17, 2008

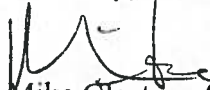
Mr. Henry Booker
Executive Director, Chattahoochee Flint RDC
P.O. Box 1600
Franklin, Georgia 30217

Dear Mr. Booker:

Our staff has reviewed the revised information for the 2008 – 2018 Solid Waste Management Plan for Troup County and the City of Hogansville. The revisions have brought the plan into compliance with the Minimum Planning Standards and Procedures for Solid Waste Management. To maintain eligibility for solid waste permits, grants, and loans, Troup County and the City of Hogansville must adopt the 2008 – 2018 Solid Waste Management Plan as soon as possible.

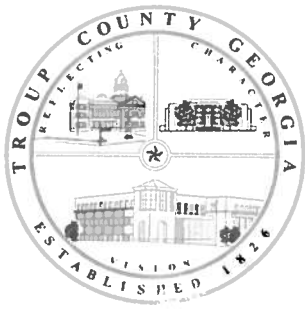
In order to complete the planning cycle, please forward copies of the adoption resolutions along with a copy of the revised adopted Solid Waste Management Plan to our office. Once we receive these documents, we will send notification to Troup County and the City of Hogansville of their renewed eligibility for solid waste grants, loans, and permits.

Sincerely,



Mike Gleaton, Assistant Commissioner
Planning and Environmental Division

MG/kd



TRUMP COUNTY BOARD OF COMMISSIONERS

RICHARD C. WOLFE, CHAIRMAN, DISTRICT 1
BUCK DAVIS, DISTRICT 2
KEN SMITH, SR., DISTRICT 3
MORRIS JONES, DISTRICT 4
RICHARD ENGLISH, JR., DISTRICT 5

Michael J. Dobbs, COUNTY MANAGER

September 15, 2008

Mr. Kenny Dove
Program Coordinator
Environmental Management
Georgia Department of Community Affairs
60 Executive Park South, N.E.
Atlanta, Georgia 30329-2231

Dear Mr. Dove:

Troup County is pleased to be partnering with City of Hogansville for our 2008-2018 Solid Waste Management Plan.

Sincerely,

Michael J. Dobbs
County Manager



City of Hogansville, Georgia
400 East Main Street
Hogansville, Georgia 30230

Jimmy Jackson, City Mayor

Monday, September 15, 2008

Mr. Kenny Dove
Program Coordinator
Environmental Management
Georgia Department of Community Affairs
60 Executive Park South, N.E.
Atlanta, Georgia 30329-2231

Dear Mr. Dove:

The City of Hogansville is pleased to be partnering with Troup County for our 2008-2018 Solid Waste Management Plan.

Sincerely,

Jimmy Jackson, Mayor

RETURN TO:
 REMAINING CAPACITY REPORT
 ENVIRONMENTAL PROTECTION DIVISION
 LAND PROTECTION BRANCH
 4244 INTERNATIONAL PARKWAY, SUITE 104
 ATLANTA, GEORGIA 30354
 For assistance call: (404) 362-2696

Preliminary

REMAINING MSW CAPACITY REPORT

Permit Holder: TROUP COUNTY, GEORGIA
 Address: P.O. BOX 1149, LAGRANGE, GA 30241
 Site Name: MOUNTVILLE S.R. 109 C & D LANDFILL
 EPD Permit Number: 041-023D(SL)

	CALCULATED	
I. SURVEY DATA		
A. Date of Topographic Survey	<u>12/2007</u>	<u>9/15/2008</u>
B. Remaining MSW Volume (Available Fill Volume Based on Survey)	<u>220524</u>	cy
C. Estimated Percent by Volume of Total Used by Cover Soil	<u>25</u>	%
D. Net Remaining MSW Waste Volume (Line B Reduced by Line C)	→ <u>165393</u>	cy
II. AMOUNT OF SOLID WASTE DISPOSED		
E. Tons Per Day Received for Disposal	<u>42.45</u>	ton/day
F. Total Operational Days Per Year	<u>300</u>	days
G. Total Estimated Annual Tons Disposed	→ <u>12735</u>	tons
III. WASTE PLACEMENT		
H. Estimated Waste Compaction Density	<u>1000</u>	lbs/cy
I. Estimated Waste Compaction Density	<u>0.5</u>	tons/cy
J. Net Volume Used Per Day (Line E Divided by Line I)	→ <u>84.9</u>	cy/day
K. Net Volume Used Per Day (Line G Divided by Line I)	<u>25470</u>	cy/yr
IV. REMAINING CAPACITY (SITE LIFE)		
L. Remaining Capacity (Line D Divided by Line J)	<u>1948</u>	days
M. Remaining Capacity (Line D Divided by Line K)	<u>6.49</u>	years
N. Estimated Date of Completion for Facility	→ <u>12/28/2014</u>	
V. ADDITIONAL INFORMATION		

I hereby certify the above determinations were performed under my direct supervision

JAMES R. EMERY, JR.
 Registered Professional Engineer
 Georgia Registration No. 26680
12/31/08
 Date

TROUP COUNTY
 Permit Holder
9/15/08
 Date

(seal)



Chattahoochee-Flint Regional Development Center

October 3, 2008

Mr. Kenny Dove
Solid Waste Program Coordinator
Georgia Department of Community Affairs
60 Executive Park South, N.E.
Atlanta, Georgia 30329-2231



RE: Troup County and City of Hogansville Solid Waste Plan

Dear Mr. Dove:

Thank you for your letter of 10-2-08 with comments on our draft Troup County and City of Hogansville Solid Waste Management Plan.

The attached revised plan is responsive to your suggestions as follows:

- Throughout the Land Limitation element, we have beefed up references to City of Hogansville.
- Under local procedures for siting solid waste facilities, we describe how the public will be involved and notified. As noted in this section, the four primary tools for involving the public will be (1) public meetings and hearings of the Troup County Board of Commissioners, Hogansville City Council and their respective Planning Commissions, (2) TV 33, which televises City and County meetings, (3) the Development of Regional Impact review process, which solicits public and agency comment at several levels of review, and (4) *LaGrange Daily News*, which also reports and solicits public comment and involvement for the City and County.

As always, we sincerely appreciate your timely review of these plans.

Sincerely,

A handwritten signature in black ink that reads "Lynne S. Miller".

Lynne S. Miller, AICP
Planning Director

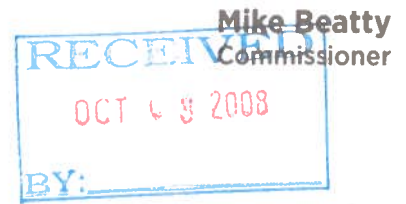
Enclosure

Cc: Nancy Seegar, Troup County Planner, w/o attachment
Bill Stankiewicz, Hogansville City Manager, w/o attachment

Sonny Perdue
Governor



Georgia™
Department of
Community Affairs



October 2, 2008

Mr. Henry Booker
Executive Director, Chattahoochee-Flint RDC
Post Office Box 1600
Franklin, Georgia 30217

Dear Mr. Booker:

Our staff has reviewed the 2008 – 2018 Solid Waste Management Plan for Troup County and the City of Hogansville. The following items must be addressed before the plan can be approved:

- Under the Land Limitation element please include the City of Hogansville.
- Under local procedures for siting solid waste facilities please include how the public will be involved and notified.

Please forward these comments to Troup County and the City of Hogansville. When these items are corrected, our staff will complete the review of the Solid Waste Management Plan. If you have any questions about this letter, please contact Kenny Dove (404) 679-3144 or at kdove@dca.state.ga.us.

Sincerely,



Mike Gleaton, Assistant Commissioner
Planning and Environmental Management Division

MG/kd



60 Executive Park South, N.E. • Atlanta, Georgia 30329-2231 • 404-679-4940

www.dca.state.ga.us

An Equal Opportunity Employer



Recycled
Paper



Chattahoochee-Flint

Regional Development Center

SEP 18 '08 AM 10:34

September 17, 2008

Mr. Kenny Dove
Solid Waste Program Coordinator
Georgia Department of Community Affairs
60 Executive Park South, N.E.
Atlanta, Georgia 30329-2231

Dear Mr. Dove:

Enclosed is the Troup County and City of Hogansville 2008-2018 Joint Solid Waste Management Plan, which we placed on our website today for public review (See public notice attached).

I enjoyed working on this plan. I was glad to learn that:

- Troup County is considering curbside garbage collection for the unincorporated area,
- The County has strong recycling potential at its C&D landfill, and is pursuing GEFA funds toward that purpose,
- The County has a very good Codes Enforcement program and officer for litter,
- Hogansville will be paving the city's remaining dirt roads, which will help with litter,
- Troup County Schools is working with the nationally-recognized Keep Clean Beautiful to develop an aggressive recycling plan, and
- The planning area's largest industry – Specialty Fabrics and Converting in Hogansville, with 185 employees – recently decreased its landfill waste from 1,200 tons per year to 400 tpy, and is working toward making that number zero.

Thank you for your help as we worked on this plan. We look forward to your comments.

Sincerely,

Lynne S. Miller, AICP
Planning Department

Enclosure

Cc: Troup County and City of Hogansville



Chattahoochee-Flint Regional Development Center

SEP 18 '08 AM 10:34

To: Georgia cities of Hogansville, LaGrange and West Point; Alabama cities of Lanett, LaFayette; Georgia Counties of Carroll, Harris, Heard, Coweta, Meriwether and Troup; Alabama counties of Chambers and Randolph; Atlanta Regional Commission, Coosa Valley Regional Development Center, East Alabama Regional Planning Commission, Lee-Russell (Alabama) Council of Governments, Lower Chattahoochee Regional Development Center, McIntosh Trail Regional Development Center; Troup County School System; Georgia Department of Natural Resources Environmental Protection Division and Pollution Prevention Assistance Division; Georgia Department of Community Affairs Office of Environmental Management; Georgia Environmental Facilities Authority; Troup Keep Beautiful; Georgia Conservancy; Nature Conservancy; Trust for Public Land; Upper Chattahoochee Riverkeeper, RiverWay South, Inc.

From: Lynne Miller, Planning Director *LSM*

Date: September 17, 2008

Re: Troup County and City of Hogansville
2008-2018 Solid Waste Management Plan (Draft)

The Chattahoochee-Flint Regional Development Center is initiating a review of the 2008-2018 Troup County and City of Hogansville Solid Waste Management Plan.

Description: This plan includes an introduction briefly describing Troup County and Hogansville's land area, population, and economy. Sections of the plan then describe the County and City's solid waste amounts, types and generators; County and City's waste reduction programs; the collection and disposal systems; land limitations for siting new solid waste facilities; public education programs; and a 10-year implementation program for the County and City. Throughout the plan are analysis, goals and contingency strategies, including the County and City's 10-year disposal waste reduction goals.

This draft plan is posted on the CFRDC website at www.cfrdc.org. The CFRDC's comments will be relayed to the Department of Community Affairs on October 17, 2008. The deadline for your comments is **October 16, 2008**.

If you have any questions regarding this review, please call Lynne Miller at 770 854-6026 or 706 675-6721. If the CFRDC receives no comments from you by **October 16, 2008**, we will assume your agency has no additional comments and we will close our review of this plan. E-mailed comments are strongly encouraged, and can be sent to lmiller@cfrdc.org. Thank you.

Cc: Nancy Seegar, Troup County and Bill Stankiewicz, City of Hogansville



Chattahoochee-Flint

Regional Development Center

October 22, 2008

Mr. Kenny Dove
Solid Waste Program Coordinator
Georgia Department of Community Affairs
60 Executive Park South, N.E.
Atlanta, Georgia 30329-2231

RE: Troup County – City of Hogansville 2008-2018 Solid Waste Plan

Dear Mr. Dove:

Enclosed is the Troup County – City of Hogansville 2008-2018 Solid Waste Management Plan, and the adoption resolutions from the County and City. We will also put this on your FTP site today.

Thank you for your help as we developed this plan.

Sincerely,

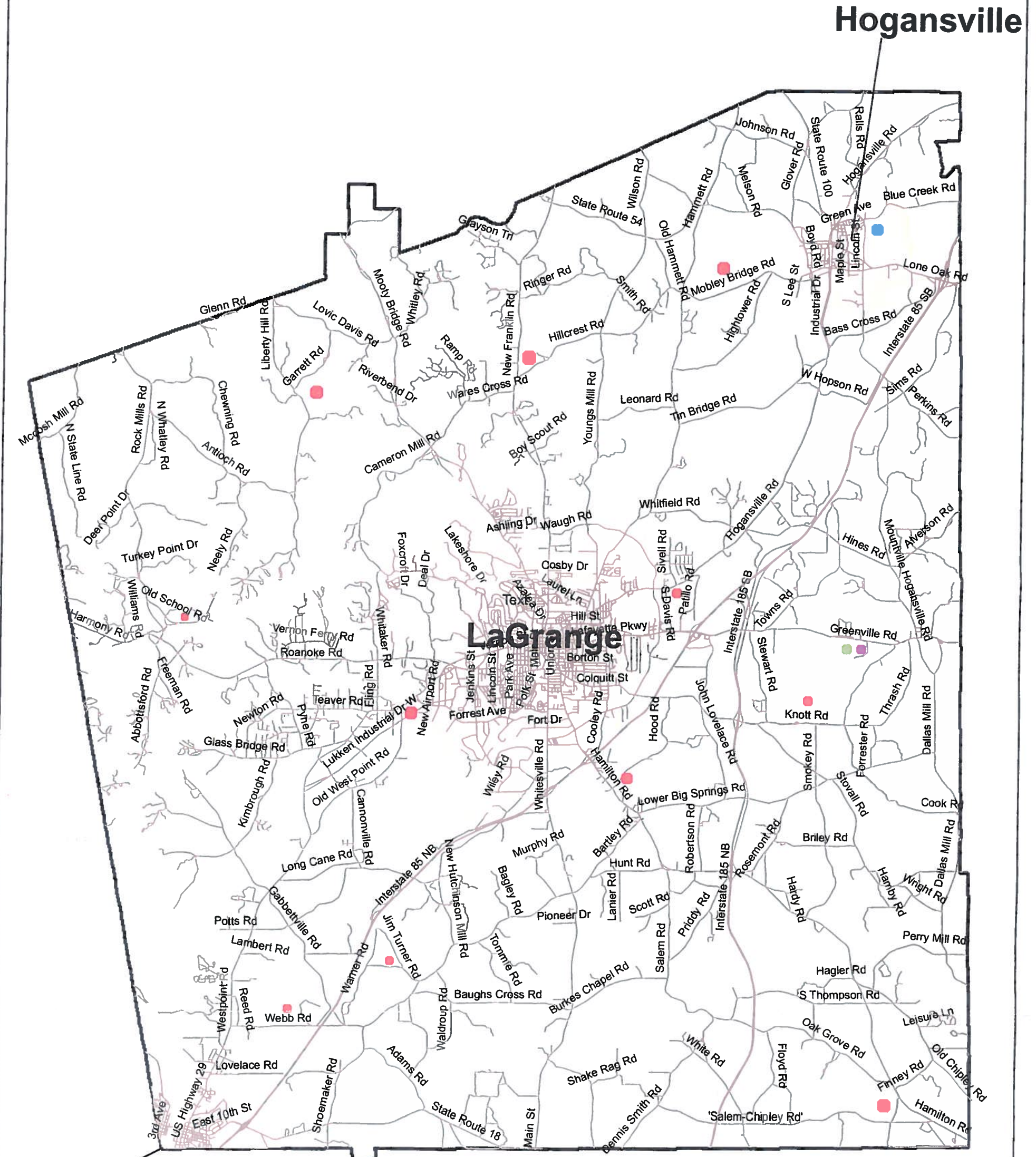
Lynne S. Miller, AICP
Planning Director

Enclosure

Cc: Nancy Seegar, Troup County Planning Director, w/o plan
Bill Stankiewicz, Hogansville City Manager, w/o plan

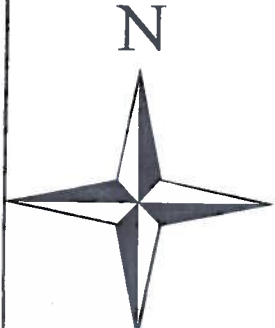
Figure: 4-1

Troup - Hogansville Waste Handling Facilities







West Point

0 1.5 3 6 Miles



Legend

 Troup Convenience Stations	 Hogansville Inert Landfill
 Troup C&D Landfill	 LaGrange MSW Landfill

Legend

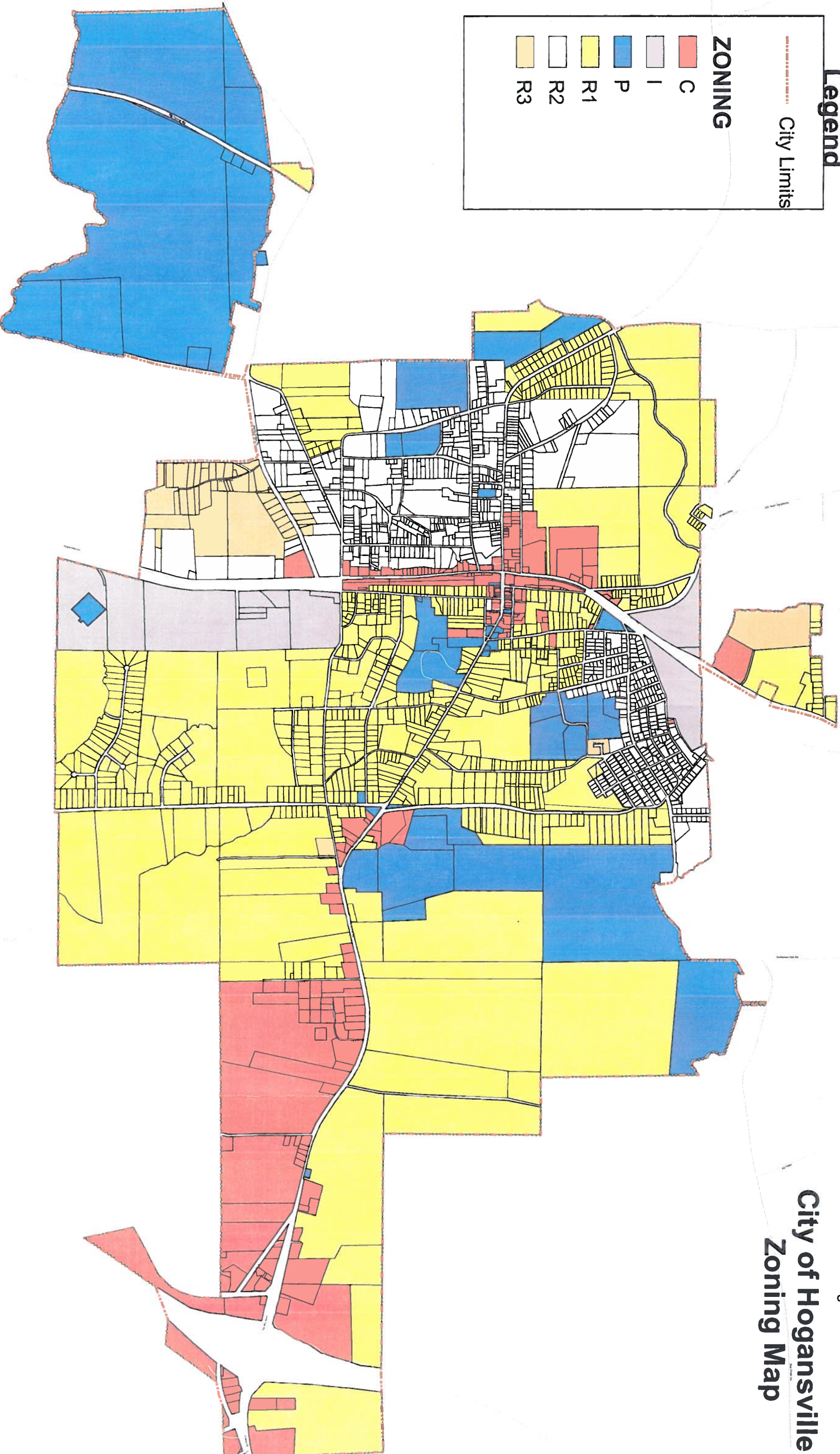
City Limits

ZONING

- C
- I
- P
- R1
- R2
- R3

Figure: 6-2

City of Hogansville Zoning Map

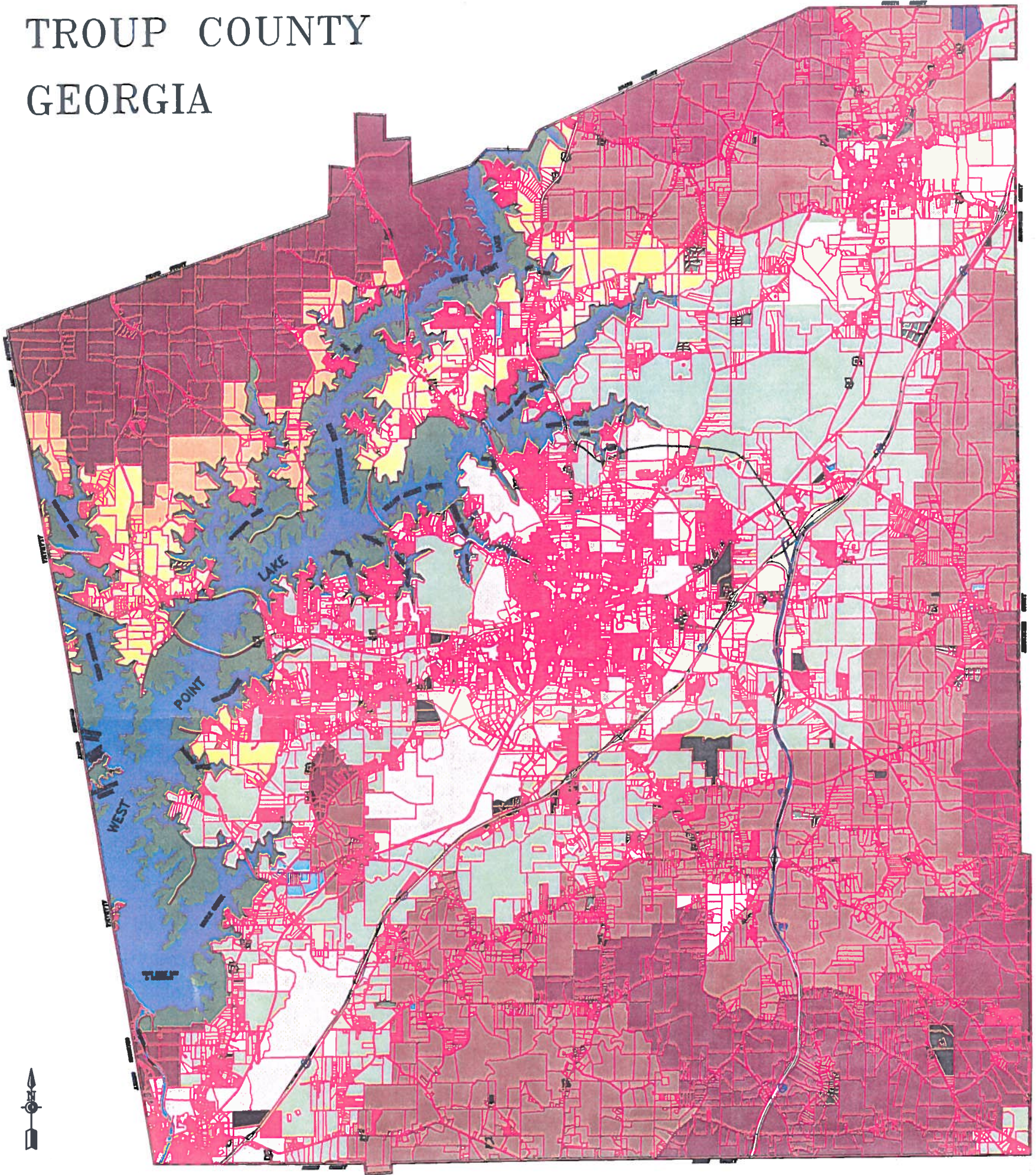


Revised: March 12, 2002





















Figure 6-3

TROUP COUNTY GEORGIA



ZONING DISTRICTS LEGEND

-  AGRICULTURAL - AG
-  AGRICULTURAL RESIDENTIAL - AGR
-  COMMERCIAL ADULT - CA
-  HEAVY COMMERCIAL - HC
-  GENERAL COMMERCIAL - GC
-  LIMITED COMMERCIAL - LC
-  NEIGHBORHOOD COMMERCIAL - NRC
-  GENERAL INDUSTRIAL - GI
-  LIMITED INDUSTRIAL - LI
-  LAKESIDE RESIDENTIAL - LR
-  LAKESIDE RURAL RESIDENTIAL - LRR
-  PLANNED UNIT DEVELOPMENT - PUD
-  SINGLE FAMILY MEDIUM DENSITY - SFMD
-  UNRESTRICTED SUBDIVISION - USD
-  MULTI FAMILY RESIDENTIAL - MFR
-  MANUFACTURED HOME PARK - MHP
-  RECREATIONAL VEHICLE PARKS - RVP
-  RURAL RESIDENTIAL - RR

OFFICIAL ZONING MAP

PREPARED BY:
TROUP COUNTY
BUILDING, ZONING,
AND PLANNING
DEPARTMENT
DRAWN BY: ANDREW HANFEN
UPDATED: April 7, 2008
SCALE: 1"=400'

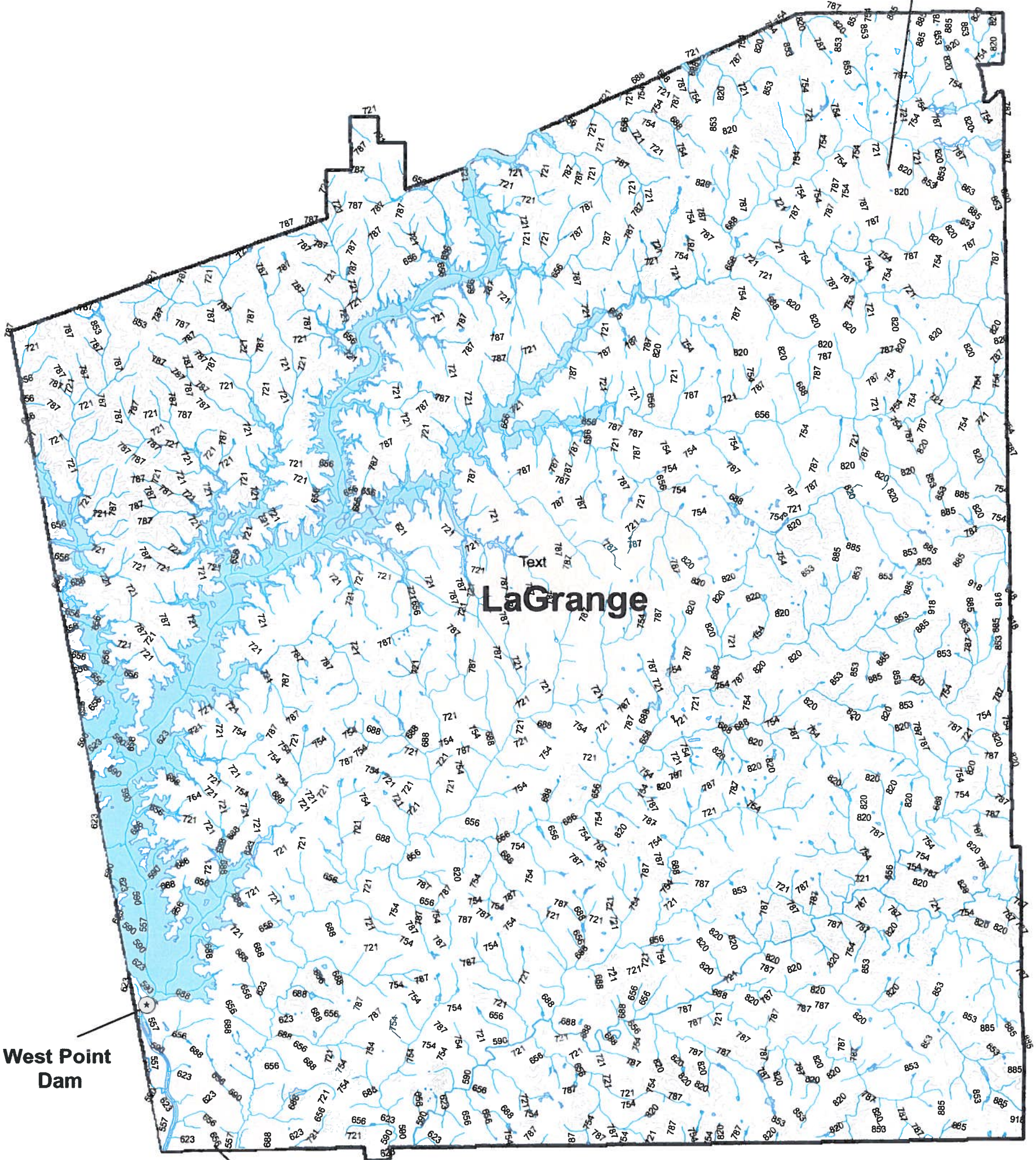
TROUP COUNTY COMMISSION CHAIRMAN

DATE

Figure: 1-2

Troup County Topographic Map

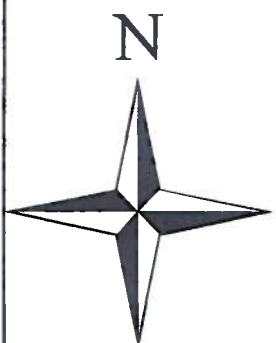
Hogansville



West Point
Dam

West Point

Text
LaGrange

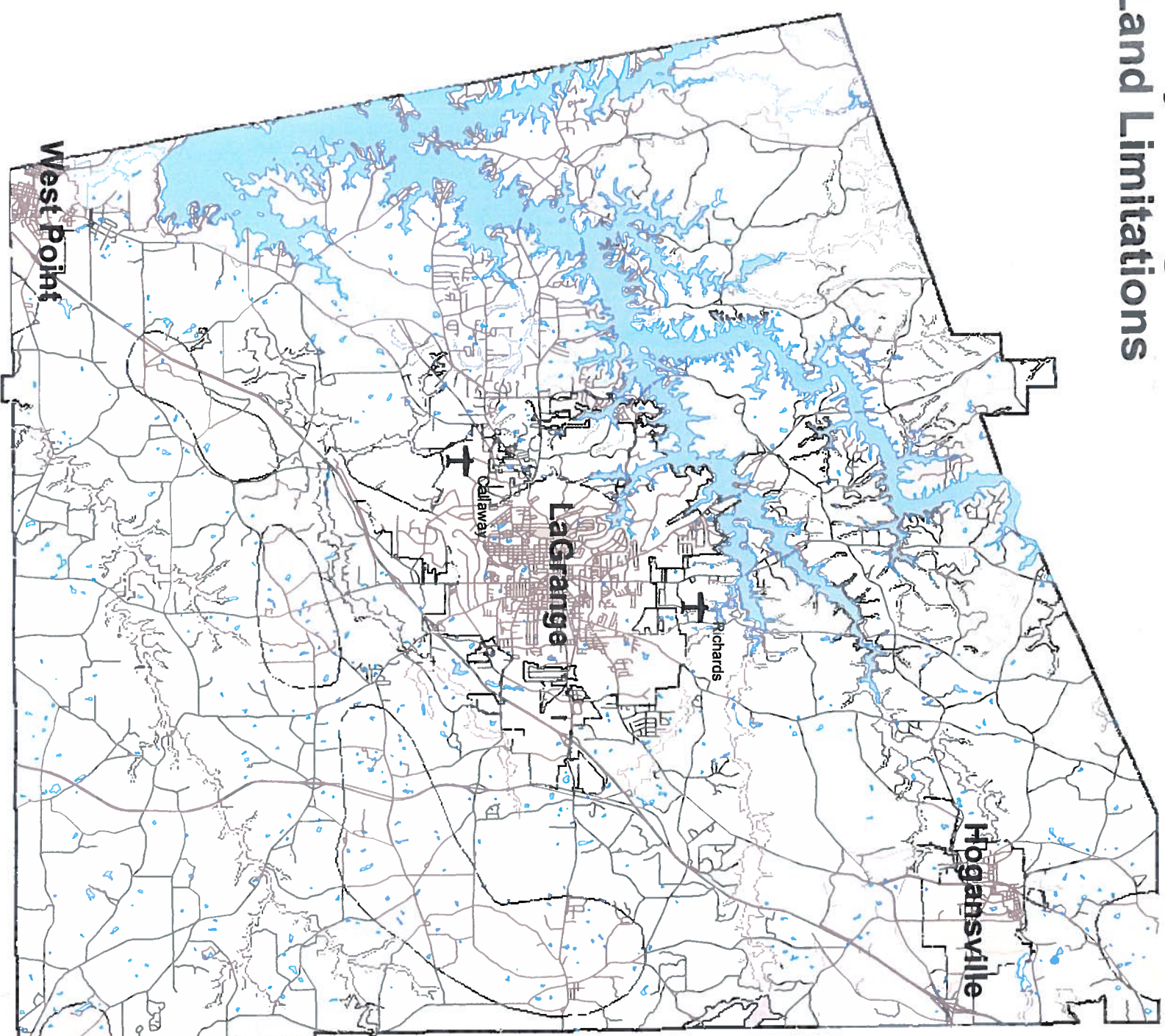


Legend

- Contour Lines
- City Boundaries
- Rivers & Streams
- Lake

Figure: 6-1

Troup County and City of Hogansville Solid Waste Land Limitations



Legend

- Airports
- Lakes
- Fault Lines
- Roads
- Watersheds
- Rivers & Streams
- recharge area
- City Boundaries

Flood Zone

- 100 Year Flood Area
- 500 Year Flood Area
- Area Not Included

