

Solid Waste Management Plan

Bulloch County
City of Statesboro
City of Brooklet
City of Portal
City of Register

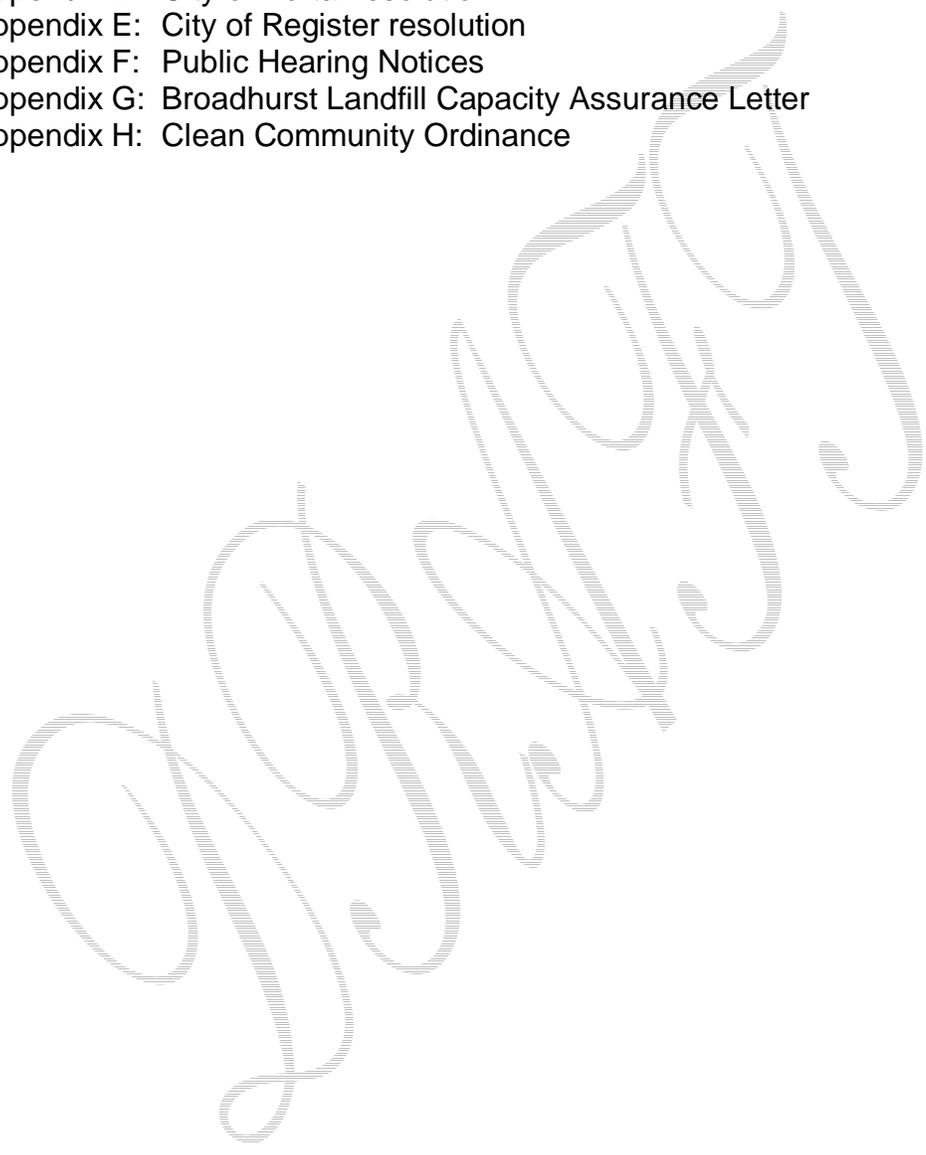
June 30, 2008

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Section 1 Introduction

1.1 Define Planning Area

This multi-jurisdictional plan covers unincorporated Bulloch County as well as the Cities of Statesboro, Brooklet, Portal and Register. See Appendix for resolutions from the County and each municipality adopting this Solid Waste Management Plan.

1.2 Identify Person Responsible for the Plan

The person responsible for the updated Bulloch County-Statesboro-Brooklet-Portal-Register Solid Waste Management Plan is:

Brooke Carney
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Any questions regarding the plan or requests for additional information can be directed to Mrs. Carney.

1.3 Overview of the Area Covered in the Plan

1.3.1 Planning Area

Bulloch County is located in southeast Georgia in the Ogeechee River watershed. It is located approximately 200 miles to the southeast of Atlanta at Latitude: 322500N and Longitude: 0814502W.

The total area included in this plan covers approximately 682 square miles. The relative location of Bulloch County as well as the municipalities located within the county is shown on the locality map below.

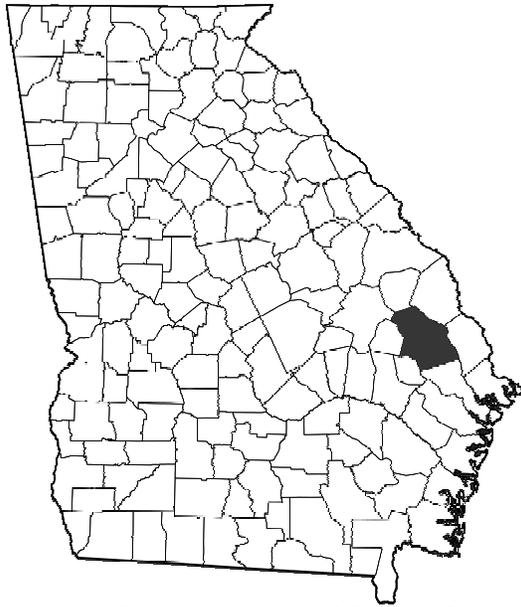


Figure 1.1-A Relative location of Bulloch County in state



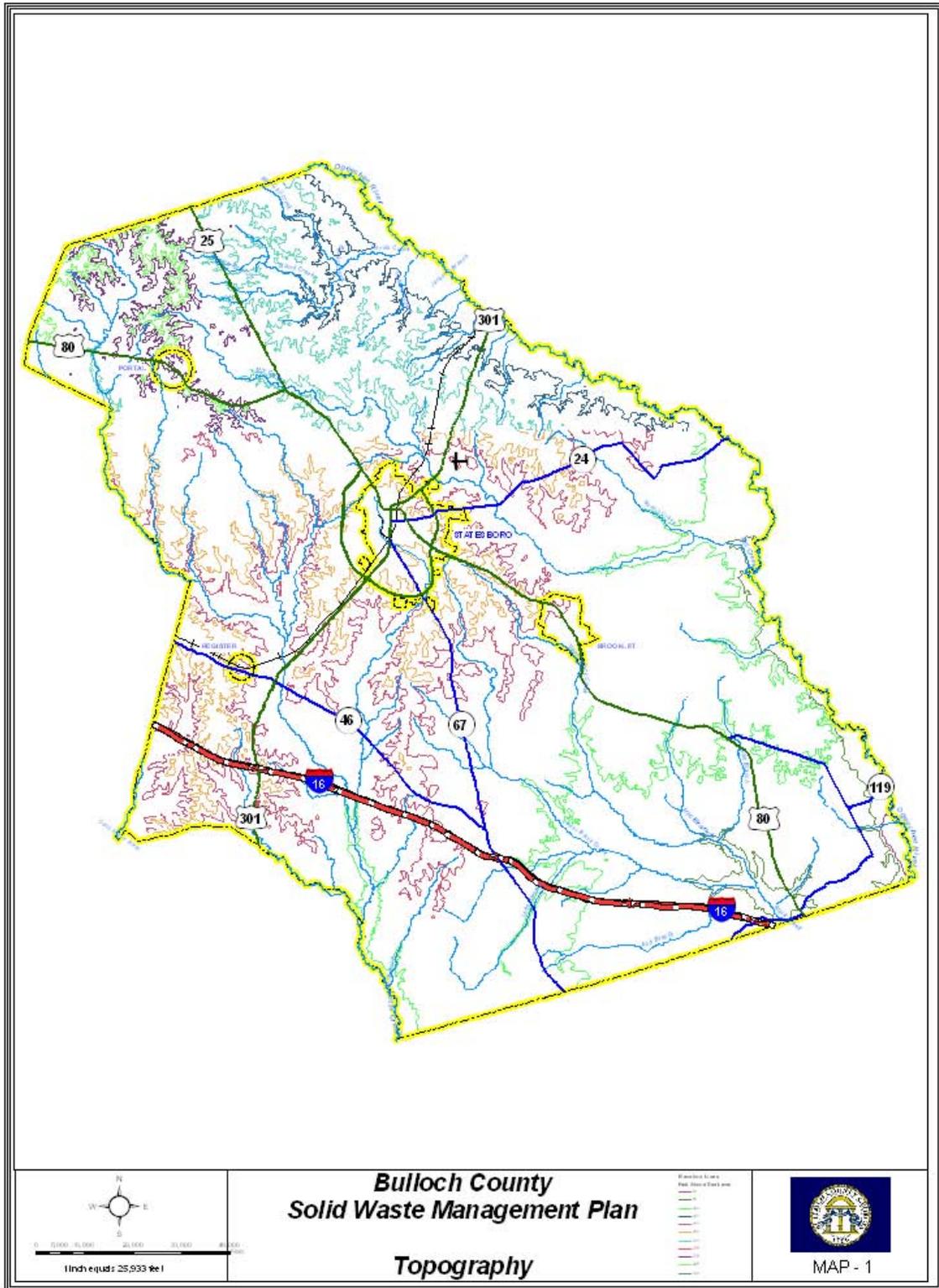
Figure 1.1-B Location of municipalities in County

1.3.2 Topographic Information

Bulloch County is in the eastern part of the Coastal Plain region. The county is divided among two districts within the region: the Vidalia Upland District and the Barrier Island Sequence district. The topography of the county changes with the transition from one district to the other, with more rolling hills and higher elevations in the northwestern half of the county and very level land and lower elevations in the southeastern half. Bulloch County has few areas with steep enough slopes to limit development. The highest elevation in the county is less than 350 feet above sea level, which is located in the Portal area, and the lowest elevations reach 50 to 100 feet above sea level in the southern part of the county.

The majority of the county's watershed is associated with the Ogeechee River, which makes up the eastern border of the county. Numerous documented wetlands and several groundwater recharge areas are located throughout the county, and the majority of these are located in the southern half of the county. The total area of 100 year floodplain for the county is estimated to be 250,000 acres.

Figure 1.2: Bulloch County Topography



1.3.3 Population

The table below represents population projections for each entity covered by this plan over a ten year period. Baseline population figures were taken from the most recent U.S. census data available. Projections for future population in 2010 and 2015 were taken from a study conducted for the coastal Georgia Regional Development center by Georgia Tech titled *Georgia Coast 2030*. All other figures are estimations based on projected growth.

Table 1.1 Population Projections

Jurisdiction	2006 (base year)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Statesboro	25583	26329	27075	27821	28127	28434	28740	29047	29349	29665	29982	30297
Brooklet	1222	1269	1316	1364	1379	1394	1409	1424	1439	1455	1469	1486
Portal	595	640	685	732	740	748	756	764	772	780	788	798
Register	163	175	187	201	204	206	208	210	212	214	216	218
Unincorporated Bulloch County	35644	36598	37552	38500	38922	39344	39767	40189	40616	41054	41493	41929
TOTAL	63207	65011	66815	68618	69372	70126	70880	71634	72388	73168	73948	74728

Source: Georgia Coast 2030, Georgia Tech

1.3.3.1 Seasonal Population Variation

The population of Bulloch County varies greatly depending on the time of year. Georgia Southern University is located in Statesboro and has a student population of approximately 17,000. The student population is significantly lower during summer months. In addition, many faculty members conduct research out of town. Furthermore, summer population is lower as a result of families vacationing out of the area.

The following information was provided by the Statesboro Convention and Visitor's Bureau. In our region in 2006, 31% of our domestic travelers traveled in the first quarter, 20% in the second quarter, 20% in the third quarter, and 30% in the fourth quarter. In our region, 56% are overnight guests and 44% are daytrip visitors. In our region, 70% of travelers are in-state travelers and 30% are out-of state travelers. Of the in-state tourists visiting Bulloch County, 58% came in the first quarter, 60% second quarter, 64% third quarter, and 63 % fourth quarter. For out of state tourists, 42% traveled during the first quarter, 40% during the second quarter, 36% during the third quarter, and 37% during the fourth quarter. Of travelers visiting the area, 72% travel by automobile including RVs, campers and cars; 3% by air, and 26% by other means. Bulloch County's primary visitor is a domestic traveler with an average age of 46. Most travelers are from 2-3 person households and most have no children. Other groups that frequently travel to Bulloch County include student travel groups, sports tournament groups and "snowbirds" – U.S. Highway 301 travelers.

1.3.3.2 Number of Households

Table 1.2 Number of Households in Planning Area

Jurisdiction	2005
Statesboro	9525
Brooklet	432
Portal	228
Register and Unincorporated Bulloch County	12909
TOTAL	23094

Source: Georgia Planning.com

1.3.4 Economic Activity

1.3.4.1 By SIC Code

Table 1.3 Economic Activity by SIC Code

Economic Activity by SIC Code		
SIC Code	Jurisdiction	Number of Businesses 2007
2013	Statesboro	1
2035	Statesboro	1
2068	Statesboro	1
2086	Statesboro	1
2087	Statesboro	1
2099	Statesboro	1
2321	Portal	1
2331	Portal	1
2337	Portal	1
2339	Portal	1
2395	Statesboro	2
2396	Statesboro	3
2421	Brooklet	1
2421	Statesboro	2
2431	Statesboro	1
2434	Brooklet	1
2434	Statesboro	1
2439	Brooklet	1
2449	Statesboro	1

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2491	Statesboro	1
2499	Statesboro	1
2511	Statesboro	3
2541	Brooklet	1
2653	Statesboro	1
2711	Statesboro	2
2741	Statesboro	1
2752	Statesboro	1
2759	Statesboro	6
2789	Statesboro	1
2791	Statesboro	3
2875	Statesboro	3
2951	Statesboro	1
3089	Brooklet	2
3089	Statesboro	1
3231	Statesboro	1
3272	Brooklet	1
3272	Statesboro	1
3273	Brooklet	1
3273	Statesboro	2
3312	Statesboro	1
3341	Statesboro	3
3441	Brooklet	1
3444	Statesboro	1
3446	Statesboro	1
3451	Statesboro	1
3462	Statesboro	1
3491	Statesboro	1
3499	Statesboro	4
3519	Statesboro	1
3523	Statesboro	1
3541	Statesboro	1
3544	Statesboro	2
3599	Statesboro	9
3822	Statesboro	1
3823	Statesboro	1
3825	Brooklet	1
3825	Statesboro	1
3993	Statesboro	7
3999	Statesboro	1

Source: GeorgiaFacts.net

1.3.4.2 Number of Employees by Sector

Table 1.4 Number of Employees by Sector in Planning Area

Sector	2006
Goods Producing	
Agriculture, Forestry, and Fishing	278
Construction	1503
Manufacturing	2159
Service producing	
Wholesale Trade	515
Retail Trade	3365
Transportation, warehousing and Utilities	1026
Services	8037
Other	27
Government	
Federal	139
State	3472
Local	2412
Total for all industries	
	22933

Source: Georgia Department of Labor

Section 2 Waste Disposal Stream Analysis

2.1 Inventory of Waste Disposed

All waste disposed in Bulloch County, including that disposed of by each jurisdiction and that which is collected by private haulers, goes to the Statesboro-Bulloch Transfer Station and Recycling Facility (the Transfer Station), which is owned jointly by the City of Statesboro and Bulloch County and operated exclusively by the City. At the Transfer Station, waste is separated into various areas, including MSW transfer station, inert site, yard waste, scrap tires, and recycling. The chart below outlines the waste disposed of at the Transfer Station, excluding recyclable commodities (tires, metal, paper, etc).

The annual report for Transfer Station FY 2007 (July 1, 2006 – June 30, 2007) was used to develop the chart below. Materials being transferred into an MSW landfill are noted as such. Percentages for MSW waste generated by residential, commercial, and industrial sectors were based on the State of Georgia’s Solid Waste Management Plan. The State’s Plan notes that, on average, 39.1% of MSW waste is residential, 27.5% is commercial, 14% is industrial, 12.3% is construction and demolition (included under “C&D”), and 7.1% is bio-sludge from wastewater treatment plants (included under “other”).

Table 2.1 Waste Disposed by Sector: FY 2007

MSW Landfill = 47,526.37 tons								
Jurisdiction	Residential	Commercial	Industrial	C&D	Inert	Yard Trimmings	Other	TOTAL
Bulloch County	18583	13070	6654	27911	7507	7683	3484	84891

Source: Statesboro-Bulloch County transfer Station and Recycling Facility records, State of Georgia Solid Waste management Plan

Because the Transfer Station annual report is categorized differently than the above chart, an explanation of how the Transfer Station report categories were converted into those used in Table 2.1 is below.

Conversions defined	
2008 SW Plan category	Transfer Station report category
MSW	household, bulk, mixed, gov waste, dot waste, bull trans
C&D	demolition, shingles, sweepings, 12.3% of total

	MSW
Inert	inert, cover dirt
Other	animal waste, road kill, bio-sludge (7.1% of MSW)

2.1.1 Waste Characterization

Data collected by the State of Georgia for the Statewide Waste Characterization Study was used to develop the table below. The data represents waste grouped by material in the Coastal Georgia region. Field sampling was conducted at Superior Landfill in Savannah, Georgia.

The statewide study showed that in the coastal area of Georgia, approximately 39% of the waste stream is paper. Of the paper disposed, 31.4% is recyclable. Plastic makes up 16% of the waste stream, and almost half of the plastic disposed of in landfills is film plastic. Food waste makes up 11.1% of waste disposed. Other amounts can be seen in Table 2.2 below. Based on the data collected in the statewide study, approximately 42.8% of waste disposed could be diverted by recycling programs already in place in Bulloch County.

Table 2.2 Waste Composition Detail for Coastal Georgia by weight (annual)

Group	Material	Tons Disposed	Average Percent
Paper	Newspaper	20,291	4.50%
	Corrugated cardboard	67,943	15.00%
	Office	15,550	3.40%
	Magazine/glossy	10,498	2.30%
	paperboard	15,697	3.50%
	mixed	12,438	2.70%
	other (non-recyclable)	34,889	7.70%
	Total Paper	177,306	39.10%
Plastic	#1 PET bottles	5,799	1.30%
	#2 HDPE bottles	4,618	1.00%
	#3-#7 bottles	964	0.20%
	expanded polystyrene	6,294	1.40%
	film plastic	35,798	7.90%
	other rigid plastic	18,925	4.20%
		Total Plastic	72,398
Glass	clear	7,127	1.60%
	green	2,424	0.50%
	amber	6,001	1.30%
	other	319	0.10%

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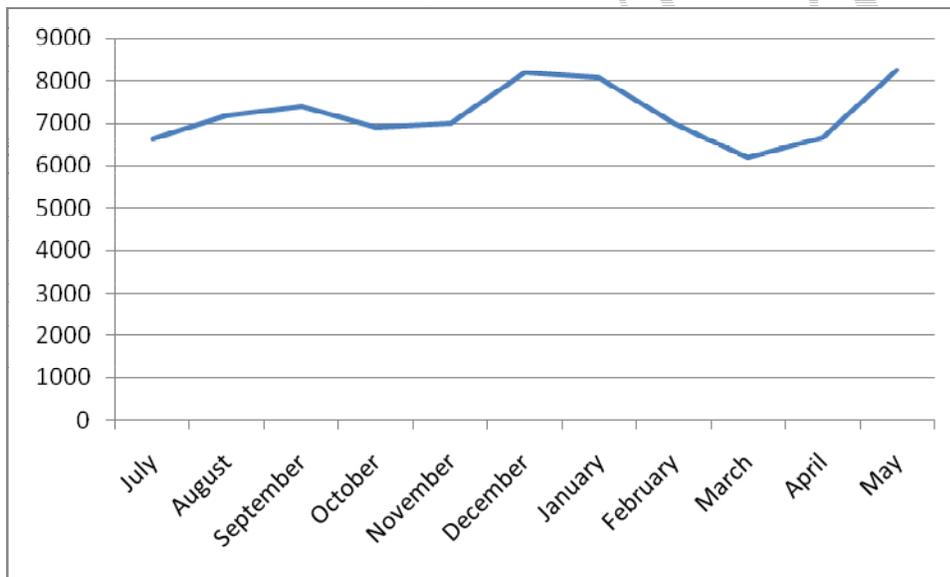
	Total Glass	15,781	3.50%
Metal	steel cans	4,378	1.00%
	aluminum cans	3,688	0.80%
	other ferrous	7,277	1.60%
	other non-ferrous	4,371	1.00%
	Total Metal	19,713	4.30%
Organics	yard waste	12,555	2.80%
	wood (non C&D)	9,872	2.20%
	food waste	50,582	11.10%
	textiles	19,307	4.20%
	diapers	11,856	2.60%
	finest	10,005	2.20%
	other organics	13,907	3.10%
	Total Organic	128,084	28.20%
C&D	drywall	963	0.20%
	wood	19,960	4.40%
	inerts	1,117	0.20%
	carpet	3,119	0.70%
	other C&D	4,102	0.90%
	Total C&D	29,292	6.40%
Inorganics	televisions	0	0.00%
	computers	3,732	0.80%
	other electronics	4,839	1.10%
	tires	0	0.00%
	HHW	1,129	0.20%
	other inorganics	2,096	0.50%
	Total Inorganics	11,797	2.60%
	TOTAL	454,429	100.00%

Source: Georgia Statewide Waste Characterization Study

2.1.2 Unique Conditions and/or Seasonal Variations

Georgia Southern University is located in Statesboro, and students move in and out each May and December. These two events cause significant increases in the amount of waste weighed in at the Transfer Station. Another seasonal trend is dependent on construction activity. The months of May, June, and July are the busiest months for the construction industry and noticeably higher amounts of waste are generated during this time. The months of October, November and December are typically slower for the construction industry, and weight reports reflect this trend.

Figure 2.1 Weight into Transfer Station by month during FY 2007 (in tons)



Source: Transfer Station weight reports and interview with Mickey Dickey, Landfill Supervisor (12/13/07)

2.1.3 Waste Generating Disasters

Although difficult to predict, natural disasters, such as tornadoes, flooding, hurricanes, wild fires, and ice storms, have the potential to tremendously increase the amount of waste generated in Bulloch County. The sections of this Solid Waste Management Plan on collection and disposal outline the approach that the County and all municipalities within the county would take to deal with waste resulting from disasters.

2.2 Projections of Waste to be Disposed

In order to project the amount to be disposed over the timeframe of this plan, the current population was compared to the total amount disposed to get a per capita waste disposal rate. The figure (1.34 tons/person/year) was then increased each year by .02 tons, which is the rate, set by the State of Georgia, at which waste disposed per capita has increased each year since 1994. Waste reduction programs or goals have not been factored into this per capita waste disposal rate. The projected daily waste has also been included to assist Statesboro-Bulloch County Transfer Station operators with plans for expected daily loads coming into the transfer Station.

Table 2.3 Projected Waste to be Disposed

All Jurisdictions	2007	2008	2009	2010	2011	2012
TOTAL TONS	84,890.77	88,414.96	92,204.70	96,065.20	98,508.24	100,981.44
population	63,207	65,011	66,815	68,618	69,372	70,126
amount per capita (tons)	1.34	1.36	1.38	1.4	1.42	1.44
total tons per day*	232.58	242.23	252.62	263.19	269.89	276.66

*excludes recyclables, 365-day year

All Jurisdictions	2013	2014	2015	2016	2017	2018
TOTAL TONS	103,484.80	106,018.32	108,582.00	111,215.36	113,879.92	116,575.68
population	70,880	71,634	72,388	73,168	73,948	74,728
amount per capita (tons)	1.46	1.48	1.5	1.52	1.54	1.56
total tons per day*	283.52	290.46	297.48	304.7	312	319.39

*excludes recyclables, 365-day year

Source: Transfer Station reports, Georgia Coast 2030, Georgia Solid Waste Management Plan

2.3 Per Capita MSW Disposal Reduction Goal

The table below shows the base year as being the year of Bulloch County’s original solid waste plan. Because the per capita waste rate has increased significantly between the base year and the current year, current year figures are used to calculate the 25% waste reduction goal over the next ten years. In order to reach 25% reduction goal by 2018 per capita waste will need to be reduced by .032 tons per year. Per capita waste in 2008 is projected to be 1.36 tons. Meeting waste reduction goals will lower per capita waste .032 tons in 2008 to 1.328 tons and an additional .032 tons each year through 2018.

Table 2.4 Per capita Waste reduction Goals and Projections

All Jurisdictions	base year (1993)	2007	2008	2009	2010	2011	2012
TOTAL TONS	45,233	84,890.77	88,414.96	92,204.70	96,065.20	98,508.24	100,981.44
population	44,705	63,207	65,011	66,815	68,618	69,372	70,126
amount per capita (tons)	1.01	1.34	1.36	1.38	1.4	1.42	1.44
Per capita reduction goal disposed from base year	N/A	N/A	1.328	1.296	1.264	1.232	1.2

All Jurisdictions	2013	2014	2015	2016	2017	2018
TOTAL TONS	103,484.80	106,018.32	108,582.00	111,215.36	113,879.92	116,575.68
population	70,880	71,634	72,388	73,168	73,948	74,728
amount per capita (tons)	1.46	1.48	1.5	1.52	1.54	1.56
Per capita reduction goal disposed from base year	1.168	1.136	1.104	1.072	1.04	1.006

Source: U.S. Census, Georgia coast 2030, Georgia Solid Waste Management Plan, original Bulloch County Solid waste Management Plan (1993)

Section 3 Waste Reduction Element

Waste reduction efforts and programs listed in this section include unincorporated Bulloch County, City of Statesboro, City of Brooklet, City of Portal and City of Register unless otherwise noted.

3.1 Inventory of Waste Reduction Programs

Waste reduction is primarily offered through the County's drop-off recycling centers as well as its corrugated cardboard pick-up service. In addition, Keep Bulloch Beautiful coordinates recycling programs at all public schools, Ogeechee Technical College and during special collection events. Other waste reduction programs include recycling at Georgia Southern University, Viracon, Wal-mart Super Center and Distribution Center, Briggs and Stratton, Lowes and other industrial and institutional entities. The City of Statesboro offers curbside pick-up for white goods and yard waste. All recyclables and items requiring special handling are processed at the Statesboro-Bulloch County Transfer Station and Recycling Facility and sold to scrap metal recyclers.

Waste reduction is primarily encouraged by Keep Bulloch Beautiful through a variety of education, volunteer participation, and public awareness programs and events. Other efforts to promote waste reduction include those made internally at the above mentioned institutions and industrial entities.

3.1.1 Source Reduction

Source reduction is promoted by Keep Bulloch Beautiful through education and public awareness efforts. Audiences reached by these educational efforts include residences and small businesses in the county. Additionally, several commercial and industrial entities have existing waste reduction programs, such as paperless communications and electronic filing systems as a way of reducing unnecessary costs. Wal-mart Distribution Center also has a polystyrene reducer to decrease the amount of waste being generated from their business. Also, several local lawn and tree businesses mulch organic waste in an effort to reduce waste and avoid charges at the Transfer Station.

3.1.2 Recycling

Table 3.1 Existing Recycling Programs in Bulloch County*

Type of Program	Population served	operated by	materials accepted	tons diverted (FY 2007)
Drop-off Center	Accessible to 23094 households	Bulloch County	corrugated cardboard	1668
			mixed paper	100.4
			newsprint	117
			#1 PET plastic	24.28
			#2 HDPE plastic	36.42
			aluminum	7.12
			steel	0
			scrap metal	924
			Glass, mixed	159.8
School recycling program		KBB/Bulloch County	mixed paper	32
			#2 HDPE	8.4
Collection service		Bulloch County	cardboard	N/A
Business recycling program		KBB	mixed paper	N/A
			#1 PET plastic	N/A
			aluminum	N/A
Donation Centers	23094 households	Goodwill Industries	clothing	256
		Habitat for Humanity	household items	N/A
			household items	N/A

Buy Back Center		Ink Jet Office Depot Stubbs Metal	ink cartridges ink cartridges metal (list types) auto parts?	N/A N/A N/A N/A
Grocery Bag deposit		Wal-Mart Bi-Lo	#2 and #4 film plastic #2 and #4 film plastic	N/A N/A
Curbside pick-up	Information not available	Thomas Disposal	PET, HDPE, glass, cans, newsprint	not available

*excludes programs for materials requiring special handling (electronics, HHW, etc)

All end users, or recipients of, material recycled in Bulloch County are located outside the county. A table showing end users currently being used is below. Does Stubbs (or anyone else) melt and resell metal here in the county?

Table 3.2 Businesses that Accept Materials from Bulloch County

Name	Location	Geographic Area	Sector	Materials Accepted
KW Plastics	Troy, AL	United States	residential	#2 HDPE plastics
Smurfit	Augusta, GA	United States	residential	OCC, aluminum cans
Strategic Materials	Atlanta, GA	United States	residential, commercial	glass
Ft James	Rincon, GA	United States	residential, commercial	baled ONP, Mixed ONP/Magazines, Office, baled OCC
Mohawk	Dalton, GA	United States	residential	#1 PET plastic
Gann Car Crushing	Pembroke, GA	United States	residential, commercial	scrap metal, baled tin
Williams Brothers Trucking	Savannah, GA	Georgia	residential, commercial	yard waste

Source: Bulloch County Environmental Management

3.1.2.2 Recycling Facilities

Other than the recycling processing facility owned and operated by Bulloch County, none exist within the county.

3.1.3 Yard Trimming Programs and Facilities

Municipal curbside pick-up service is offered by the City of Statesboro to residents within the city limits. Each of the 16 recycling centers located throughout the county offers free drop-off sites for residential yard waste. Private landscaping and tree businesses, as well as residents with larger loads, must dispose of yard waste at the Transfer Station for a fee of \$12.96 per ton. Yard waste collected through each of the aforementioned programs is ground at the transfer Station by a private contractor and then sold to various markets, including the waste-to-energy facility in Savannah.

An inert site is also located at the Statesboro-Bulloch County Transfer Station and Recycling Facility. Home composting is encouraged by programs conducted by Keep Bulloch Beautiful, Georgia Southern Botanical Garden and other local organizations.

Table 3.3 Yard Waste Programs

Program	Owner/ Operator	jurisdictions served	sector served	materials accepted	quantity	program maximum capacity	final disposition
Compost education program	Keep Bulloch Beautiful	All	R	N/A	N/A	N/A	residential compost
Compost education program	Georgia Southern Botanical Garden	All	R	N/A	N/A	N/A	residential compost
GSU Physical Plant, Grounds Dept.	Georgia Southern University	Statesboro	I	leaves, wood			
private tree, landscaping entities	multiple	All	I, C, R	Yard waste			Private businesses
Municipal curbside yard trimmings	City of Statesboro	Statesboro	R	leaves, wood		N/A	
Municipal drop-off yard trimmings	Bulloch County	All	R	leaves, wood		N/A	Mulched, used for waste-to-energy facility

							(Sav)
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3.1.4 Items Requiring Special Handling

The table below describes the methods used for disposing of various items which require special handling in Bulloch County. Handling for all jurisdictions is included on this table.

Table 3.4 Items requiring Special Handling

Material	Target Sector(s)	Management Strategy	Final Disposition of materials(s)
Electronics	R, I, C	permanent drop-off site, 2 events held annually	Dismantled by private recycler, parts resold
White Goods	R	drop-off sites located at recycling centers throughout county	Sold with scrap metal

White Goods	R	curbside pick-up service in Statesboro	Sold with scrap metal
tires	R	drop-off sites located at recycling centers throughout county, no charge	MTR of Georgia
tires	C,I	Drop-off at main recycling facility, \$-- per ton	MTR of Georgia
lead acid batteries		Handled by private sector entities	Stubbs Wrecking Yard, Advanced Auto Parts
HHW	R, I, C	no special event held in recent years	

R = Residential, I = Institutional, C = Commercial

3.2 Disaster Debris Management - Waste Reduction Strategy

In the event of a natural disaster or emergency situation that interrupted the Cities' and County's normal operations for providing waste reduction and recycling services, the County has several options. The County can negotiate with private haulers and/or recyclers in the area to accept recyclables from all jurisdictions within the county. Negotiations can include the City of Statesboro and Bulloch County sharing the processing cost of any recyclables delivered by residents and/or commercial establishments. Another option would be to temporarily store recyclable materials in publicly owned facilities until normal operations can be resumed.

3.3 Assessment of Waste Reduction Programs

Bulloch County began collecting MSW at unmanned dumpster sites in 1970. This program existed until 1994 at which time there were 435 dumpsters at 75 different locations. In 1994 Bulloch County began implementing its collection centers, each one eliminating 25-30 dumpsters. Bulloch County has had a residential drop-off recycling program since 1994. In addition, other components of the county's recycling program, such as cardboard and curbside yard waste pick up (City of Statesboro only), have all been in place for several years. The county's recycling program has experienced a steady increase in participation and amount of material received since the program was established. In response to the decreasing proportion of material being recycled, Keep Bulloch Beautiful, in conjunction with the County, has recently established several new components of the county recycling program. These include an unstaffed drop-off recycling center at Wal-mart Super Center in Statesboro, a voluntary business recycling program, paper recycling at Ogeechee Technical College, and system-wide mandatory public school recycling program.

Plans are in place to expand the existing recycling processing facility. In addition, a grant recently received from the State of Georgia has established Bulloch County as a regional recycling hub and provided supplemental funding to support the expanded recycling program. Plans to expand the existing program include a voluntary curbside recycling program in Statesboro, processing equipment, storage containers, vehicles, assistance to neighboring communities for recycling, and a more efficient means of receiving and processing materials are all in the plans to improve the county's recycling program. In addition, drop-off recycling centers are planned for downtown Brooklet, the Brooklet-Leefield area, Union Church Rd. area, and the Bay District area (Arcola Rd.- Hwy 46), which will replace several sets of roadside dumpsters. Also, some of the existing collection centers may be changed from 5 day to 7 day schedules. Keep Bulloch Beautiful has also recently received an Away from Home recycling grant, which will allow more recycling to take place at special events throughout the county.

Bulloch County has an adequate program in place to successfully meet the waste reduction goals set by the state. Methods to increase participation in the established and planned programs will be the determining factor in meeting the waste reduction goals adopted by the Georgia State Legislature. See figure below.

State of Georgia Per Capita MSW Disposal Rate/MSW Reduction Goal					
Commodity	Actual 2004 Lbs/person	Projected 2012 Lbs/person	Projected % 2012	Projected 2017 Lbs/person	Projected % 2017
Glass	0.153	0.14	8%	0.14	8%
Paper	1.181	1	15%	0.85	28%
Metal	0.228	0.198	13%	0.186	18%

Plastic	0.663	0.56	16%	0.53	20%
Total	2.23	1.99	11%	1.71	23%

Special attention should be paid to paper recycling, as it comprises approximately 40% of the waste stream. Also, working with private haulers that operate outside the City of Statesboro to offer recycling pick-up service will play an important role in reducing waste. Continuation of existing educational programs on source reduction will also to be an important part of reducing waste.

Currently, there is no established plan for offering proper disposal and recycling of Household Hazardous Waste. Plans to hold events on an annual basis need to be established.

Organic waste, and food waste in particular, comprises a significant amount of the waste stream (28%). Attention should be given to improving the existing educational and municipal composting programs.

Currently, no special recycling or reuse programs are in place for the Georgia Southern student move-outs that happen twice annually. Establishing mobile recycling centers or educational programs targeted at these two events are needed to reduce the seasonal increase in waste created by them.

3.4 Needs and Goals

Goal: *Increase participation in drop-off recycle center program by 25%. (Measure in tons recycled annually.)*

Strategy:

- Establish more drop-off centers to be located in places convenient to growing population.
- Maintain extensive hours of operation currently in use.
- Increase educational efforts targeted at community residents.
- Improve signage at recycling centers to assist with source separation.

Goal: *establish voluntary curbside recycling program in City of Statesboro*

Strategy:

- *Use funds from state grants as well as locally provided funds, supply curbside collection containers, weekly service, and adequate processing capabilities to residents inside the city limits of Statesboro.*
- *Coordinate educational efforts through Keep Bulloch Beautiful.*

Goal: *Increase participation in school recycling program.*

Strategy:

- Use recently purchased vehicle to make collection more efficient, thus, eliminating chronic overflow problem at schools and increasing use of collection containers.
- Continue educational programs.
- Continue award program.

Goal: Increase participation in business recycling program.

Strategy:

- Continue educational efforts.
- Continue to offer “start-up kits” at discounted price to local businesses.
- Continue to offer guidance and in-kind consulting services to businesses in community on reducing waste.
- Target large businesses in community and offer customized recycling services.
- Continue encouraging those businesses already participating in voluntary program.

Goal: Reduce waste created by Georgia Southern student move-out each May and December.

Strategy:

- Establish educational program targeted at GSU students.
- Offer mobile recycling centers or other service to student housing areas.
- Work with Georgia Southern University administration to establish programs aimed at reducing move out waste.
- Partner with Goodwill, Habitat for Humanity, or other similar entity to accept unwanted household items.

Goal: Offer means of disposal for household hazardous waste.

Strategy:

- Partner with private disposal company and host annual Household Hazardous Waste (HHW) collection event in conjunction with Great American Cleanup events.

Goal: Reduce amount of organic waste going into landfill.

Strategy:

- Improve and increase educational programming about composting.
- Address feasibility of operating municipal composting program.

Goal: Reduce amount being disposed in residential trash cans.

Strategy:

- Offer voluntary curbside recycling program inside Statesboro city limits (to be operated by Bulloch County).
- Encourage private haulers to offer curbside recycling service.



Section 4 Collection Element

As in each section of this Solid Waste Management Plan, the cities of Statesboro, Register, Brooklet and Portal as well as unincorporated Bulloch County, unless otherwise noted, are included in collection management plans listed in this section.

4.1 Inventory of Collection

Table 4.1 below describes the haulers operating in the county and table 4.2 describes the various solid waste collection methods used in Bulloch County.

Table 4.1 Haulers Operating in Bulloch County

Hauler Name	Hauler Address	Sector Served	Jurisdiction(s) served	Arrangement
Southern Disposal Service		C, I, R		independent contract with generator
Power Waste Systems, INC	159 Little Canoochee Creek Rd Twin City, GA	C, I, R		independent contract with generator
Bulloch County Solid Waste	17315 Hwy 301 N Statesboro	C, I, R	Portal, Brooklet, Register, unincorporated	offered by local government
Sullivan Environmental Services	PO Box 370 Twin City, GA	C, I, R	unincorporated Bulloch County	independent contract with generator
Thomas Disposal Service	87 Pine Needle Ln Statesboro	C, I, R	unincorporated Bulloch County	independent contract with generator
Live Oak Environmental	4008 Denton Loop Statesboro, GA	C, I, R	unincorporated Bulloch County	independent contract with generator
City of Portal	27209 Hwy 80 Portal, GA	R	Portal	offered by local government
City of Brooklet	104 Church St Brooklet, GA	R	Brooklet	offered by local government
City of Statesboro	PO Box 348 Statesboro, GA	R, C	Statesboro	offered by local government

Source: phone interviews with haulers (12-17-07)

Table 4.2 Inventory of Collection Programs in Bulloch County

Type	Collector	Program Description	Jurisdictions Served	Sectors Served	# of households/businesses served, if available	contract arrangement
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Solid Waste Management Plan 2008-2018

curbside collection	Southern Disposal Service	weekly garbage	unincorporated Bulloch County	residential		independent contractor general
	Thomas Disposal	weekly garbage, twice monthly recycling	unincorporated Bulloch County	residential		independent contractor general
	Live Oak Environmental	weekly garbage	unincorporated Bulloch County	residential		independent contractor general
	City of Statesboro	weekly garbage collection, monthly yard waste and bulky items	Statesboro Inc.	residential		city ordinance
	City of Brooklet	weekly garbage	Brooklet Inc.	residential		city ordinance
	City of Portal	weekly garbage	Portal Inc.	residential		city ordinance
compactor and roll-off	Southern Disposal Service	1-5 times weekly as needed	all of Bulloch County	commercial, industrial, construction		independent contractor general
	Sullivan Environmental Services	1-5 times weekly as needed	all of Bulloch County	commercial, industrial, construction		independent contractor general
	Power Waste Systems, Inc	1-5 times weekly as needed	all of Bulloch County	commercial, industrial, construction		independent contractor general
	Bulloch County Solid Waste	1-5 times weekly as needed	all of Bulloch County	commercial, industrial, construction		independent contractor general
commercial dumpster	Southern Disposal Service	1-5 times weekly as needed	unincorporated Bulloch County	commercial, industrial, construction		independent contractor general
	City of Statesboro	1-5 times weekly as needed	Statesboro Inc.	commercial		city ordinance
	Sullivan Environmental Services	1-5 times weekly as needed	unincorporated Bulloch County	commercial, industrial, construction		independent contractor general

staffed drop-off sites	Bulloch County Solid Waste	serviced as needed	throughout Bulloch County	residential		operate local govern
unstaffed drop-off sites	Bulloch County Solid Waste	30 unstaffed dumpster sites located in rural areas of county	throughout Bulloch County	residential		operate local govern
collection service	New River Construction, LLC	construction waste collection	throughout Bulloch County	construction		independe contract genera
collection service	Georgia Southern University	campus waste collection	GSU campus only	institutional		operate Universi
collection service	James Sturgeoun Collection	residential, commercial collection	throughout Bulloch County	residential		independe contract genera
collection service	Johnson's Sanitation Service, Inc.	residential, commercial collection	unincorporated Bulloch County	residential, commercial		independe contract genera
collection service	C&D Services	commercial, industrial	unincorporated Bulloch County	construction and demolition collection		independe contract genera

Sources: Phone interviews with private companies, interviews with each jurisdiction, Georgia Environmental Protection Division

4.1.2 Contingency Strategy

Because both public and private collection services are offered, it is unlikely that all collection services would be disabled at once. In the event that one or more collection services are interrupted, jurisdictions in Bulloch County will partner to assist with the jurisdiction in need. Several private haulers are also available for contract work in the event that one or more jurisdictions' collection service is interrupted.

In the event that no government-owned vehicles could collect garbage, one of the private haulers with locations outside the county would likely be used to temporarily provide collection service. In addition, Bulloch County operates 16 staffed drop-off sites and 30 unstaffed drop-off sites that could serve as the only temporary means of waste collection if needed.

If any of the above mentioned contingency plans are needed, it would take 24-26 hours to put one or more of them in place.

4.1.3 Disaster Debris Management -- Collection Strategy

City of Statesboro has five grapple trucks and Bulloch County has one grapple truck. In addition, the City of Statesboro and Bulloch County have a combined fleet of ten back hoes and front end loaders. All of the equipment would be used to collect waste generated from a disaster. Where feasible, yard waste would be segregated from bulk waste using grapple trucks. Statesboro and Bulloch County public works equipment would also be used to assist with waste collection and debris removal. If needed, the County's roll-off rental service would temporarily be suspended to allow containers to be used for debris removal. Recycling centers would remain open, and wherever feasible recyclable materials would be segregated into piles using public works equipment and then loaded into county roll-off trucks.

4.2 Assessment of Collection Programs

Each jurisdiction in Bulloch County offers adequate collection services for garbage, bulky items, yard waste and recycling based on the current and projected population. The City of Statesboro is lacking a curbside recycling program, but plans for establishing such a program are in place. Several private haulers also provide garbage collection service to all sectors of the community, and many have either recently begun or are planning to offer curbside recycling services for residential areas.

Because of the large geographic area of Bulloch County and the many areas still considered to be rural, staffed recycling centers in every neighborhood are not financially feasible. Unstaffed dumpsters are located in rural areas and are routinely abused. Unmanned dumpster sites are not adequate for long term solid waste planning. As the need for solid waste disposal sites will only increase with the growing population, plans to improve the unstaffed dumpster sites need to be established, including fences, surveillance cameras, etc.

4.3 Inventory of Illegal Dumping/Littering

Despite ongoing efforts against it, illegal dumping and littering remains a problem in Bulloch County. Several unmanned dumpster sites are chronically abused, including the Arcola/Hwy 46 site and the Groveland/Old Groveland Road site. In addition, many places along dirt and paved roads, especially in the more rural areas of the county, have long been established as recurring illegal dump sites. The presence of litter has decreased in many areas of the county but problem areas still exist.

Bulloch County code enforcement handles the majority of the enforcement duties in the areas outside Statesboro city limits. In addition, officers with the Statesboro Police Department, Bulloch County Sheriff's Department, DNR Bulloch County unit, Statesboro City Marshal, and Georgia State Patrol Post 45 have all completed the Litter Enforcement Training Program, a component of the Governor Perdue's Litter Initiative.

4.4 Assessment of Programs to Address Illegal Disposal/Dumping

Several programs, including those that focus on education, eradication, and enforcement, currently address illegal dumping and littering issues. As the population grows, more resources will need to be dedicated to this in order to maintain and improve the current level of litter and illegal dumping. Improvements to the existing programs should include one or more additional litter work details, one or more additional code enforcement officers, and increased resources for public education.

4.5 Needs and Goals

Goal: Provide residents living in all areas of the county with accessible and convenient means of properly disposing of trash and recyclables. The County and each municipality lying within the county must ensure proper collection services, whether public or private, are in place for trash and recyclables collection.

Strategy:

- Maintain citywide trash collection service in Statesboro
- Maintain recycling and trash drop-off centers throughout county (add additional centers as needed by population increase)
- Continue to accept household trash and recyclables from private haulers operating outside Statesboro
- Encourage private haulers to offer curbside recycling programs using County's new single-stream processing facility

Section 5 Disposal Element

As in each section of this Solid Waste Management Plan, the cities of Statesboro, Register, Brooklet and Portal as well as unincorporated Bulloch County are included in the disposal management plans listed in this section.

5.1 Inventory of Solid Waste Disposal Facilities

All MSW collected within Bulloch County is required to be delivered to a permitted solid waste disposal facility operating in compliance with applicable federal, state, and local laws. All MSW currently received at the Statesboro-Bulloch Transfer Station is transported to Boradhurst Landfill. Inert waste is disposed of on site at the Inert Landfill located on the same property as the closed Statesboro Bulloch Landfill and the Statesboro-Bulloch County Transfer Station.

Disposal facilities located in Bulloch County

Facility Name*	Physical Address	Owner/Operator	Facility Type**	Maximum Capacity (TPD)	Years Expected to Reach capacity
Statesboro-Bulloch Inert Site	999 Lakeview Rd Statesboro, GA		Inert	22 tons/day	12/31/2008
Statesboro Bulloch Landfill	999 Lakeview Rd Statesboro, GA	City of Statesboro	MSW	Closed in 1996	N/A
Broadhurst Environmental Landfill	Screven, GA 31560	Boradhurst	MSW		12 yrs remaining capacity
GREGORY BRIDGE CO.-SR67 INERT LF	SR67 NEAR BRYAN COUNTY LINE		Inert		
NEAL TUCKER OLD HARDY PLACE INERT LF	OLD HARDY PLACE		Inert		
SOUTHEASTERN UTILITIES CONTRACTORS, INC.	REED AND RAYMOND STREETS IN WHITESVILLE S/D		Inert		
RONNIE R. HILL, SR. INERT LANDFILL	STOCKYARD ROAD		Inert		
SAM O. JOHNSON INERT LANDFILL	7532 HWY. 301 S.		Inert		
SOUTHEASTERN UTILITIES CONTRACTORS, INC.	REED ST AND RAYMOND ST IN WHITERVERVILLE SUB NE OF STATESBORO		Inert		
WOODS PAVING COMPANY	322 FOYE WILSON ROAD		Inert		
102 BRANNEN STREET	102 BRANNEN STREET		Inert		

102 BRANNEN STREET	102 BRANNEN STREET		Inert		
MORRIS LUPTON PROPERTY	SE CORNER OF HWY 301 AND OLD REGISTER ROAD		Inert		
W.M. SHEPPARD LUMBER CO. HIGHWAY 80 INERT LF	EAST OF BROOKLET ON HWY 80 AT THE CITY LIMITS SIGN-SOUTH SIDE		Inert		
J. W. DELOACH INERT LANDFILL	SR 119		Inert		

* all jurisdictions in plan use same disposal facilities

**inert, MSW, monofill, etc

Source: Solid Waste program managers, Bulloch County and City of Statesboro, Georgia Environmental Protection Division

5.1.1 Assurance of 10-year capacity

Please see the attached letter in Appendix G from Broadhurst Landfill. The Landfill estimates approximately 12 years of capacity remaining. The letter states that waste coming from City of Statesboro and Bulloch County will be accepted. It should be noted that all waste from the Cities of Brooklet, Register, and Portal comes to the transfer station owned and operated jointly by the City of Statesboro and Bulloch County from which all waste is transported to Broadhurst landfill.

5.1.2 Contingency Strategy

In the event that Broadhurst Landfill is unable to accept material from Bulloch County, one of the following methods for disposing of waste would be used. Using current transportation methods, waste would be taken to Superior Landfill operated by Waste Management and located in Savannah. Other options for permanently disposing of waste include transporting it to Allendale Landfill in South Carolina or Candler County public landfill. This plan would be in effect within two business days of being needed.

5.1.3 Disaster Debris Management – Disposal Strategy

In the event of a disaster, waste would be handled using the aforementioned methods for collection and then transported to Broadhurst Landfill. The Statesboro-Bulloch County Airport would be used as a staging area until waste can be transported to Broadhurst. The public will be notified by recordings on government voicemail systems, postings on government websites, signage at recycling centers and transfer station and through local media.

5.2 Assessment of Disposal

Based on current capacity, the transfer station currently being used for MSW has sufficient capacity to continue accepting waste over the next ten years. The inert site used by Bulloch County, however, has limited capacity. At current disposal rates, it is expected to have less than one year of remaining capacity. Once this site is filled, inert waste will likely be transported to the new site in development with twenty years of capacity.

5.3 Needs and Goals

Goal: Ensure sufficient disposal capacity to handle the amount of waste projected to be disposed of for the next ten years.

Strategy:

- Continue to transport waste to Broadhurst Landfill in Jesup, which has guaranteed capacity for the next ten years.

Goal: Ensure that existing and proposed solid waste handling facilities located in Bulloch County will not negatively impact the natural environment or public health and safety.

Strategy:

- Continue monitoring air and water quality at the closed Bulloch County Landfill on Lakeview road.

Section 6 Land Limitation Element

As in each section of this Solid Waste Management Plan, the cities of Statesboro, Register, Brooklet and Portal as well as unincorporated Bulloch County are included in the land limitations listed in this section.

6.1 Inventory Land Areas

6.1.1 Inventory Areas with Natural Environmental Limitations

Federal, state, and county policy contain restrictions on where solid waste facilities can be site, and, in some cases, the design required to site facilities in a specific area. Some of these restrictions are based on natural environmental land limitations. Bulloch County has a diverse range of topography, soils, and planned land use areas. The paragraphs and accompanying figures below describe each of the relevant environmental limitations.

- Floodplains – DNR Rule 391-3-4-.05 (1)(d) stipulates any solid waste landfill located within the 100-year floodplain shall not restrict the flow of the 100-year flood, reduce temporary water storage capacity of the flood plain, or result in a washout of solid waste so as to pose a threat to human health of the environment.
- Wetlands – DNR Rule 391-3-4-.05 (1)(e) prohibits the development of solid waste landfills in wetlands, as defined by the U.S. Army Corps of Engineers, unless evidence is provided by the applicant that use of the wetland has been permitted or otherwise authorized under all other applicable state and federal laws and rules.
- Water Supply Watersheds – DNR Rule 391-3-16-.10(7)d requires that at any location within a small water supply watershed, new solid waste landfills must have synthetic liners and leachate collection systems.
- Groundwater recharge areas – The official code of Georgia (O.C.G.A) Section 12-8-25.2 states that no permit shall be issued for municipal solid waste landfill if any part of the site is within two miles of an area that has been designated by the EPD Director as a significant groundwater recharge area unless such municipal solid waste landfill has a liner and leachate collection system and meets any other requirements as may be established by rules and regulations of the board or pursuant to other geological considerations as may be determined appropriate by the EPD Director.

- River Corridors – DNR Rules prohibit the development of new solid waste landfills within protected river corridors.

Figure 6.1 below shows the water resources in Bulloch County. Areas highlighted in orange represent groundwater recharge areas. Areas highlighted in blue represent wetlands. The beige area is the Ogeechee River watershed and the pink area is the Canoochee River watershed.

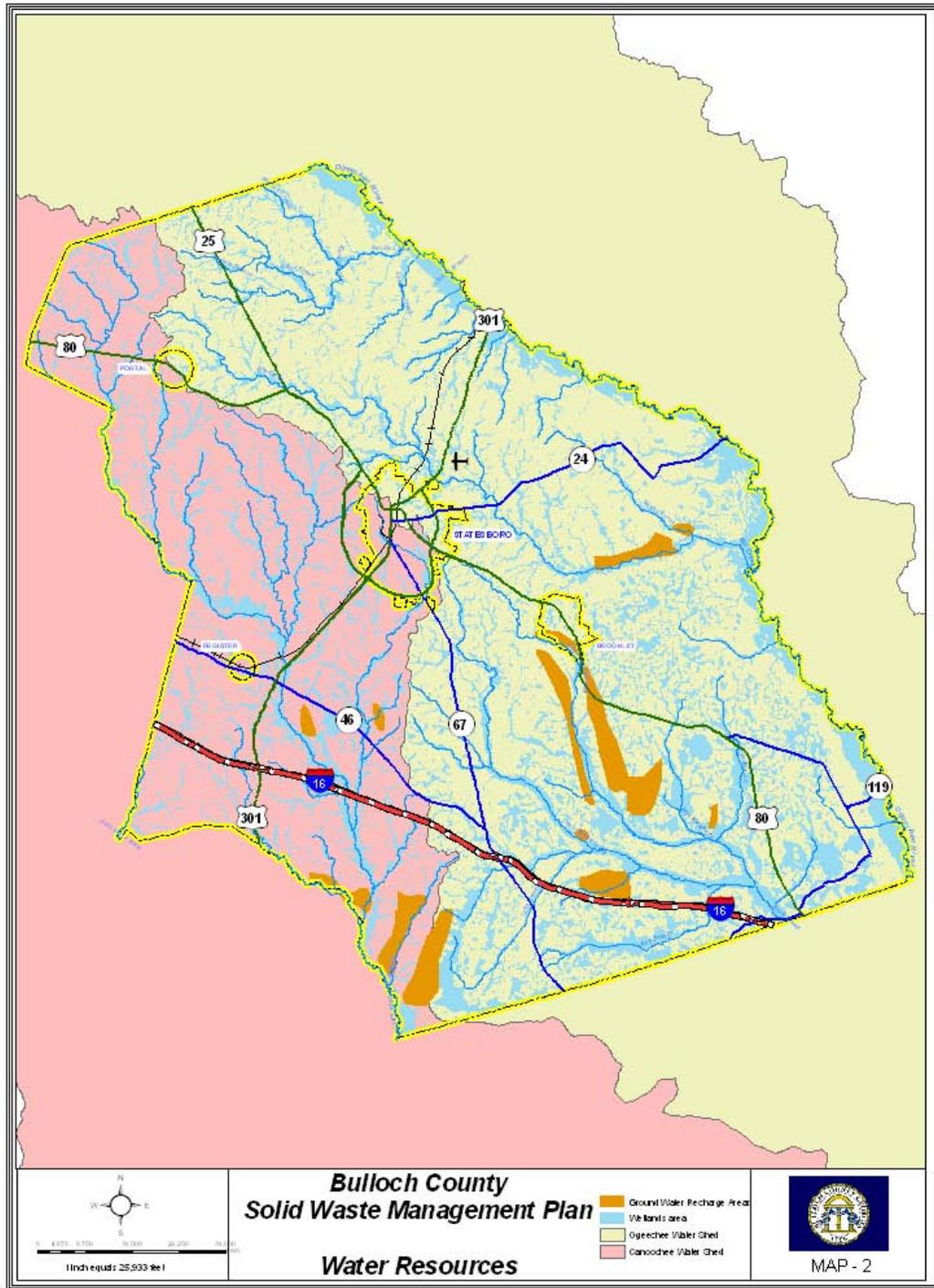


Figure 6.2 shows the 100 year floodplain in Bulloch County. Waiting on this from GIS office

6.1.2 Inventory Areas with Land Use Limitations

DNR Rule 391-3-4-.05(1)(a) requires that solid waste facility sites must conform to all local zoning/land use ordinances. Bulloch County has a zoning ordinance and accompanying map that specify approved uses for various districts within the county. The figure below shows the County's land use map, which is an illustrative description of the county's zoning ordinance and land use plan. More detailed descriptions for land limitations under this plan can be found in the Bulloch County Future Land Use Plan (adopted 2006) and the Bulloch County Zoning Ordinance.

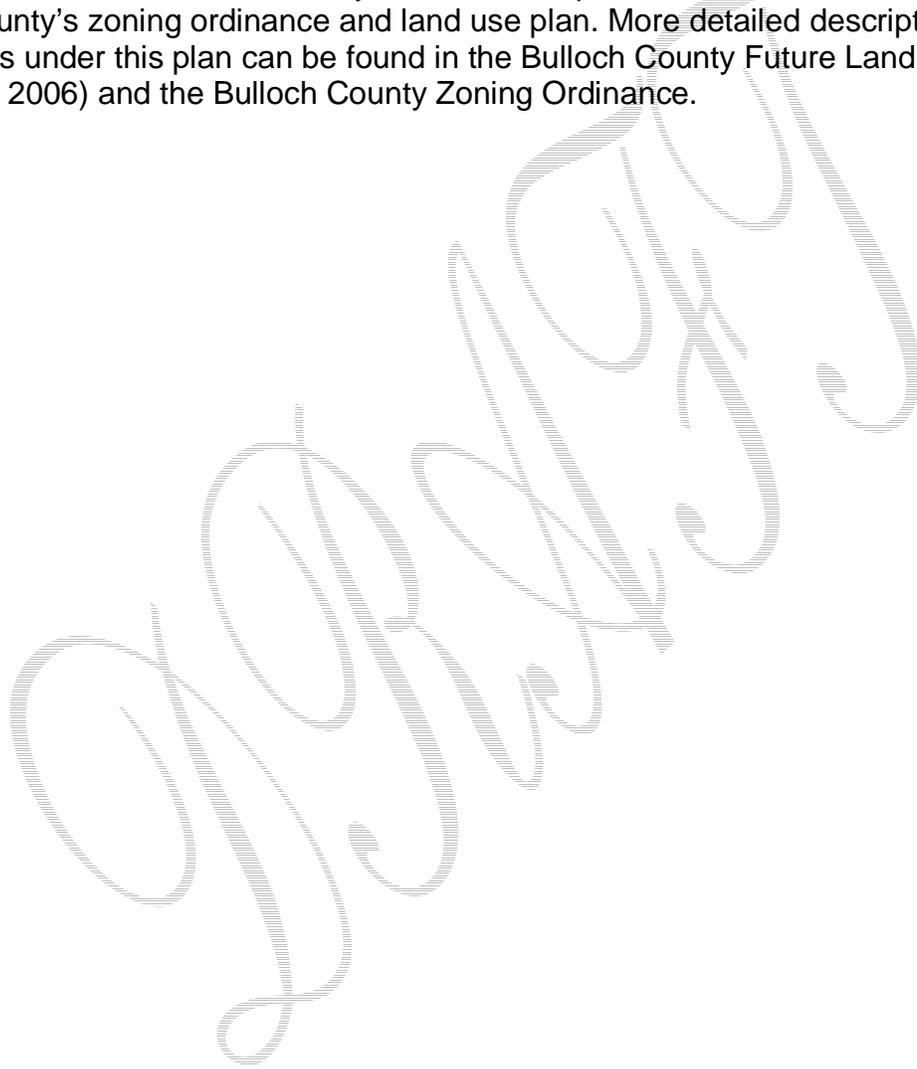
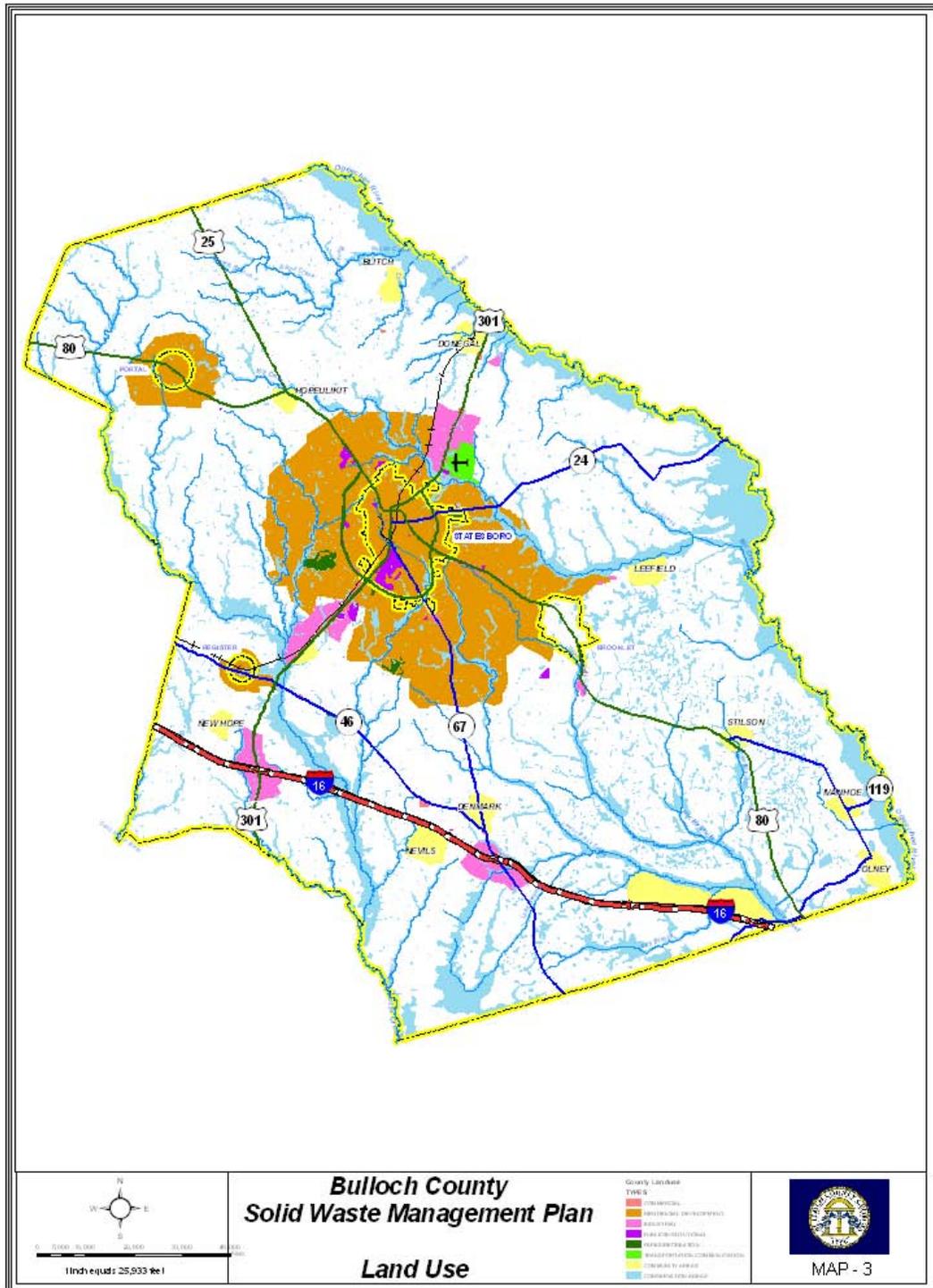


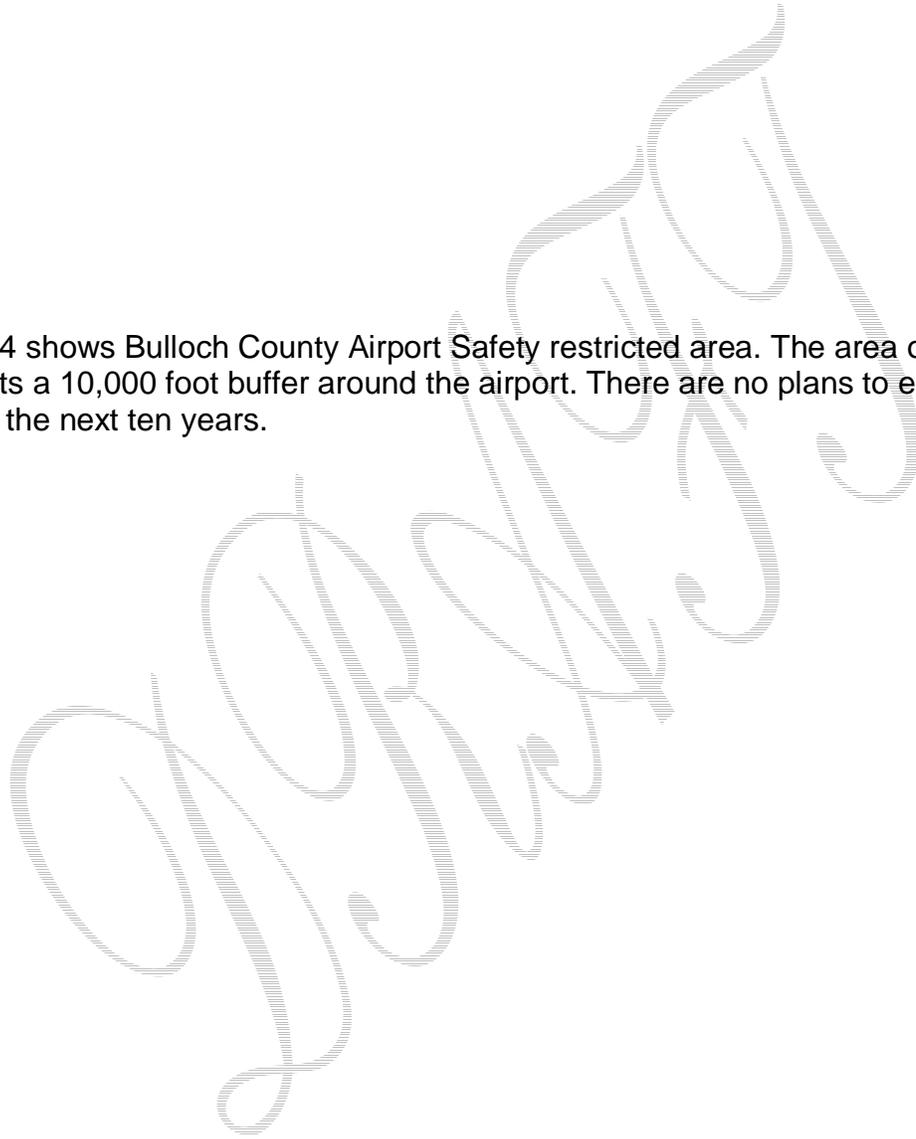
Figure 6.3 shows the zoning and future land use map for Bulloch County.

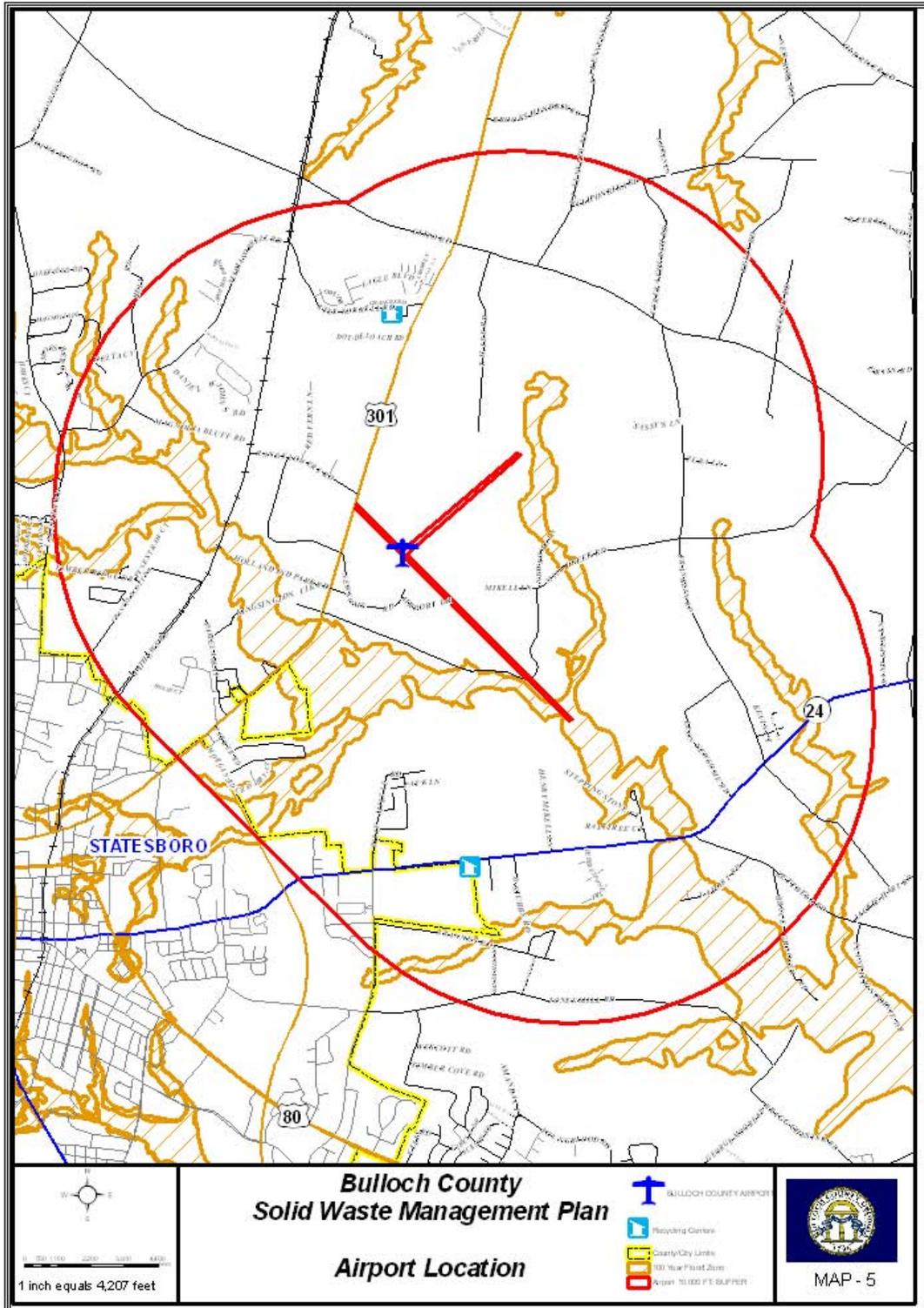


Other limitations apply to solid waste disposal facilities. State and Federal restrictions for siting solid waste facilities based on land uses include:

- National Historic Sites – MSW landfills are not permitted with 5,708 yards of a National Historic Site (OCGA Section 12-8-25.1).
- Airport Safety – DNR Rule 391-3-4-.05(1)© requires that new solid waste landfill units or lateral expansions of existing units shall not be within 5,000 feet of any runway planned or used for piston-type aircraft or within 10,000 feet of any runway planned or used for turbo-jet or piston-type aircraft. (See Figure 6.3)
- Surface Water Intake – According to the Georgia DNR Rule 391-3-16-.01, unless there are no other feasible locations, solid waste landfills should not be located within two miles of a surface water intake for a public water source.
- Co-located landfills – Section 12-8-25.4 of the OCGA states that no solid waste handling facility, excluding materials recovery facilities and composting facilities, can be sited on a site that falls within a two-mile radius of three or more solid waste landfills (including closed landfills that received waste on or after June 29, 1989).
- Political Subdivisions – OCGA Section 12-8-25 prohibits the siting of an MSW landfill within one-half mile of another County's borders without the approval of that jurisdiction's governing authority. Bulloch County borders seven other counties.
- Private Recreational Camps – OCGA Section 12-8-25.5 states that no permit shall be issued for any new municipal solid waste facility if any part of the premises proposed for permitting is within one mile of any private recreational camp operated primarily for the use by persons under 18 years of age and which camp has been so operated at its location for 25 years or more.
- Fault areas – No such area is currently recorded as being present in Bulloch County. In the event that such an area is recorded by the appropriate regulatory organization, this plan will be amended to include limitations regarding solid waste management specific to this type of area.
- Seismic impact areas – No such area is currently recorded as being present in Bulloch County. In the event that such an area is recorded by the appropriate regulatory organization, this plan will be amended to include limitations regarding solid waste management specific to this type of area.
- Unstable areas -- No such area is currently recorded as being present in Bulloch County. In the event that such an area is recorded by the appropriate regulatory organization, this plan will be amended to include limitations regarding solid waste management specific to this type of area.
- Protected mountains -- No such area is currently recorded as being present in Bulloch County. In the event that such an area is recorded by the appropriate regulatory organization, this plan will be amended to include limitations regarding solid waste management specific to this type of area.

Figure 6.4 shows Bulloch County Airport Safety restricted area. The area outlined in red represents a 10,000 foot buffer around the airport. There are no plans to expand the airport in the next ten years.





6.2 Local Procedures for Siting Solid Waste Facilities

Bulloch County has no plans to build or operate any solid waste handling facility within the ten-year planning period.

In addition, no proposed solid waste handling facility or facility expansion will be sited in Bulloch County without a letter from the County Commission or appropriate City Council stating that the proposed facility is consistent with the Solid Waste management Plan. Any applicant wishing to present a case for constructing such a facility will be required to cover expenses of developing plan and properly informing public based on the procedures listed in this plan and common practices for public notification followed by Bulloch County and/or the cities of Statesboro, Register, Portal, and Brooklet. The procedure for determining whether a proposed facility or facility expansion is consistent with the Solid Waste Management Plan is as follows:

1. At least 120 days prior to filing for a solid waste handling permit, or notifying EPD in the case of a solid waste handling facility that is permitted by rule, the applicant will submit to the governing body a written statement documenting the following:
 - a. How the proposed facility or facility expansion will meet the specific goals and/or needs identified in the Solid Waste Management Plan, including a description of:
 - i. The impact upon the collection capability within the county;
 - ii. The impact upon disposal capacity identified in the county; and
 - iii. The impact to the waste reduction and recycling efforts within the county, specifically how the proposed facility or facility expansion will further progress towards waste reduction.
 - b. How the proposed facility or facility expansion and its operation will impact the community. Specifically what will be:
 - i. The impact to vehicle traffic and public safety around the proposed facility and throughout the county;
 - ii. The impact on natural or cultural resources within the county;
 - iii. The impact to individual and business solid waste management rates; and
 - iv. The impact on the current solid waste management infrastructure with the county, both public and private.
 - c. The impact to the financial viability of the existing solid waste management system within the county.
 - d. Evidence that the proposed facility or facility expansion is sited in an area deemed suitable according to the criteria listed in the Plan.
 - e. Evidence that the proposed facility or facility expansion is sited in a location that is consistent with local zoning ordinances.
 - f. Evidence that the proper public notification was given, including notification of all adjacent property owners.
2. Within 60 days after this document is received, the County Commission and/or appropriate City Council will hold at least one public hearing on the proposed

facility or facility expansion to gather input regarding the consistency of the facility with the Solid Waste Management Plan. This public hearing or hearings will be advertised according to local requirements regarding public notification of public hearings.

3. The governing body shall review the written documentation for consistency and consider public comment and determine whether the proposed facility or facility expansion is consistent with the Solid Waste Management Plan. Within 30 days of making their determination the governing body shall notify the facility owner/operator whether or not the proposed facility or facility expansion is consistent with the Plan. If the proposed facility is not consistent with the Plan, the developer may address the inconsistencies and resubmit their request for another review.

6.3 Assessment of Land Limitation

Bulloch County and the municipalities located within the county have a clear picture of the environmental and zoning limitations to siting solid waste facilities or facility expansions. More here?

6.4 Needs and Goals

Goal: To ensure that proposed solid waste handling facilities and expansions are developed to meet the needs of the county and the municipalities located within the county, are consistent with this Solid Waste Management Plan and with local government zoning ordinances, are compatible with surrounding land uses, and meet federal, state, and local environmental requirements.

Strategy:

- Keep all information about natural environmental limitations, zoning, and land use updated and available.
- Inform and educate potential developers about the procedures to determine consistency of proposed facilities with this Solid Waste Management Plan.
- Enforce the requirement that no solid waste handling facility be sited without a letter from the governing authority documenting its consistency with the Solid Waste Management Plan using the procedures described herein.

Section 7 Education and Public Involvement Element

As in each element of this Solid Waste Management Plan, education and public involvement plans in this section include unincorporated Bulloch County, City of Statesboro, City of Brooklet, City of Portal and City of Register unless otherwise noted.

7.1 Inventory of Existing Public Education Programs and Public Involvement Opportunities

Bulloch County and the jurisdictions located within the county dedicate significant funding and staff resources to public education and involvement on solid waste issues. The county manages the community’s recycling program and maintains information on recycling on behalf of all jurisdictions located within it. The County maintains educational signage at all recycling centers and unstaffed drop-off areas as well as providing information on the County’s website and through the environmental management office.

Bulloch County and the Cities of Statesboro, Brooklet, Portal, and Register are all partners in funding, supporting and working in conjunction with Keep Bulloch Beautiful. Keep Bulloch Beautiful is governed by a 16-member board, which is comprised of representatives from each jurisdiction as well as the Chamber of Commerce. KBB employs an executive director, a recycling collector and a program coordinator. A summary of the programs and activities coordinated by Keep Bulloch Beautiful are outlined in the chart below.

Figure 7.1 Public Education and Involvement Activities and Programs

Program/Activity	Areas Covered	Operated By	Target Audience	Number of participants per year	description of impact
Recycling information on website	All	Bulloch County Environmental Management	General Public	65000	informs people on what, where, when and how to recycle
KBB recycling Website	All	Keep Bulloch Beautiful	General Public	65000	informs people on why, what, where, when and how to recycle
School Recycling Program	All	Keep Bulloch Beautiful	School Children	9000	Over 100,000 pounds collected annually

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Business Recycling Assistance Program	All	Keep Bulloch Beautiful	local businesses	4000	educate, increase participation among employees of local businesses
Litter Prevention webpage	All	Keep Bulloch Beautiful	General Public	65000	educate on how to be part of solution, reasons to prevent litter
Tailgate Recycling	All	Keep Bulloch Beautiful	college students and GSU fans	80000	reduce waste, educate large audience about recycling
Bring One for the Chipper	Statesboro, Brooklet	Keep Bulloch Beautiful	General Public	250	educate, offer alternatives to disposing of yard waste
Volunteer Litter Cleanups	All	Keep Bulloch Beautiful	General Public	5000	educate about problem, participate in solution
Litter Hotline	All	Keep Bulloch Beautiful	General Public	1500	report litter, educate violators
Recycling Mobile Classroom	All	Keep Bulloch Beautiful	School Children	15000	educate students on solid waste and reduction
Neighborhoods at Work	All	Keep Bulloch Beautiful	General Public	4000	involve neighborhoods in preventing litter together
Cigarette Litter Prevention Program	Statesboro	Keep Bulloch Beautiful	General Public	250	educate, prevent cigarette litter
Rivers Alive	All	Keep Bulloch Beautiful	General Public	250	educate about litter and water resources connection, involve public as part of

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					solution
Great American Cleanup	All	Keep Bulloch Beautiful	General Public	2500	educate about litter, involve public as part of solution
America Recycles Day	All	Keep Bulloch Beautiful	General Public	500	educate public about recycling, encourage participation
Litter Prevention education materials	All	Keep Bulloch Beautiful	General Public	65000	education, prevention
Litter Free Events	All	Keep Bulloch Beautiful	General Public	50000	educate, provide convenient means to participate in solution
Storm Drain Stenciling	Statesboro	Ogeechee-Canoochee Riverkeeper	General Public	200	educate about litter and water resources connection, involve public as part of solution
LivinGreen	Statesboro	GSU	University Community	20000	educate, encourage participation in connection between energy and water use to solid waste reduction
Waste Reduction education programs	Statesboro	SAGE, GSEN, GSU	University Community	20000	educate, encourage participation in waste reduction efforts among college students,

					faculty, staff
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7.2 Assess Adequacy of Environmental Education Initiatives

With Keep Bulloch Beautiful as the lead organization, Bulloch County has sufficient programs and activities in place to educate and involve the public on solid waste. Additional programs are continually being developed as resources and funds become available. Educational and public involvement programs have the full support of each jurisdiction’s governing body as well as the general public.

7.3 Statement of Needs and Goals

Goal: Ensure that all residents in Bulloch County have access to and are routinely engaged by educational programs and information and opportunities to get involved in waste reduction and proper solid waste disposal.

Strategy:

- Maintain accurate and updated information on websites and in offices
- Continue outreach programs to various audiences
- Maintain proper signage at all recycling and waste disposal facilities
- Continue to produce educational literature

Section 8 Implementation Strategy

8.1 Summary of Needs and Goals

Waste Reduction

Goal: Increase volume and participation in recycling programs currently offered as well as those being developed while reducing the per capita disposal rate.

Strategy:

- Maintain current program operations
- Expand current program to provide additional opportunities for residents to reduce waste and recycle

Jurisdiction: Operated by Bulloch County government on behalf of all jurisdictions within the county

Collection

Goal: Provide residents living in all areas of the county with accessible and convenient means of properly disposing of trash and recyclables.

Strategy:

- Maintain citywide trash collection service in Statesboro
- Maintain recycling and trash drop-off centers throughout county (add additional centers as needed by population increase)
- Continue to accept household trash and recyclables from private haulers operating outside Statesboro
- Encourage private haulers to offer curbside recycling programs using County's new single-stream processing facility

Jurisdiction: City of Statesboro, City of Portal and City of Brooklet have exclusive collection operations within each jurisdiction. Bulloch County operates collection of drop-off containers in all jurisdictions except Statesboro. Residents and businesses in Register and the unincorporated areas of the county have independent contracts with private haulers.

Disposal

Goal: Ensure sufficient disposal capacity to handle the amount of waste projected to be disposed of for the next ten years as well as ensuring environmental safety of disposal practices.

Strategy:

- Continue to transport waste to Broadhurst Landfill in Jesup, which has guaranteed capacity for the next ten years.

Jurisdiction: Transportation to Broadhurst landfill for permanent disposal is operated by the City of Statesboro on behalf of all jurisdictions within Bulloch County.

Land Limitation

Goal: To ensure that proposed solid waste handling facilities and expansions are developed to meet the needs of the county and the municipalities located within the county, are consistent with this Solid Waste Management Plan and with local government zoning ordinances, are compatible with surrounding land uses, and meet federal, state, and local environmental requirements.

Strategy:

- Keep all information about natural environmental limitations, zoning, and land use updated and available.
- Inform and educate potential developers about the procedures to determine consistency of proposed facilities with this Solid Waste Management Plan.
- Enforce the requirement that no solid waste handling facility be sited without a letter from the governing authority documenting its consistency with the Solid Waste Management Plan using the procedures described herein.

Jurisdiction: Due to the small size of the cities of Brooklet, Portal, and Register, land limitation issues are handled through Bulloch County on behalf of the aforementioned jurisdictions as well as the unincorporated areas of the county. The City of Statesboro's zoning and land limitation policies compliment those adopted by Bulloch County.

Education and Public Involvement

Goal: Ensure that all residents in Bulloch County have access to and are routinely engaged by educational programs and information and opportunities to get involved in waste reduction and proper solid waste disposal.

Strategy:

- Maintain accurate and updated information on websites and in offices
- Continue outreach programs to various audiences
- Maintain proper signage at all recycling and waste disposal facilities
- Continue to produce educational literature

Jurisdiction: Keep Bulloch Beautiful is housed in Bulloch County government but operates public education efforts and involvement on behalf of all jurisdictions within the county. The City of Statesboro also handles a limited amount of public education for collection services.

8.2 Implementation Strategy/Short Term Work Program

The chart below describes the implementation strategy and timeline for this Solid Waste Management Plan. The first five years of the implementation strategy represent the short-term work plan. Plans for the latter five years will be revisited in 2012 to update plans and create the short-term work plan for 2013-2018. (see attached spreadsheet)

Section 9 Appendix

- Appendix A: Bulloch County resolution
- Appendix B: City of Statesboro resolution
- Appendix C: City of Brooklet resolution
- Appendix D: City of Portal resolution
- Appendix E: City of Register resolution
- Appendix F: Public Hearing Notices

Appendix G: Broadhurst Landfill Capacity Assurance Letter
Appendix H: Clean Community Ordinance

