



Ten-Year Comprehensive Solid Waste Management Plan for Effingham County and the Cities of Guyton, Rincon and Springfield

2007-2016

IF YOU HAVE QUESTIONS CONCERNING THIS PLAN, PLEASE CONTACT:

**CONNIE BURNS, SOLID WASTE COORDINATOR
EFFINGHAM COUNTY SANITATION DEPARTMENT
2750 COURTHOUSE RD GUYTON, GA 31312
(912) 754-4668 cburns@effinghamcounty.org**

RESOLUTION

WHEREAS, the Effingham County Board of Commissioners and the Councils of the Cities of Guyton, Rincon and Springfield herewith inform the Coastal Georgia Regional Development Center and the Georgia Department of Community Affairs that the following action was taken; and

WHEREAS, the Joint Comprehensive Solid Waste Management Plan for the years 2007-2016 was prepared in accordance with the Minimum Planning Standards and Procedures for Solid Waste Management Plans established by the Georgia Comprehensive Solid Waste Management Act; and,

WHEREAS, five public hearings regarding the Effingham County, City of Guyton, City of Rincon and City of Springfield Joint Comprehensive Solid Waste Management Plan were held on April 4, 2005; April 11, 2005; April 12, 2005 (2 hearings) and June 11, 2007; in order to obtain public input and comment which were incorporated into the Comprehensive Solid Waste Management Plan; and

WHEREAS, the Effingham County Board of Commissioners and the Councils of the Cities of Guyton, Rincon and Springfield, in order to maintain compliance with the requirements of State legislation regarding review and updating of solid waste plans, have reviewed the updated Joint Comprehensive Solid Waste Management Plan which is attached to this Resolution;

THEREFORE, IT IS HEREBY RESOLVED THAT the Effingham County Board of Commissioners and the Councils of the Cities of Guyton, Rincon and Springfield transmits to the Coastal Georgia Regional Development Center and the Department of Community Affairs, the updated Comprehensive Solid Waste Management Plan for Effingham County via this Resolution, and requests the Coastal Georgia Regional Development Center and the Department of Community Affairs enter the Effingham County, City of Guyton, City of Rincon and City of Springfield Comprehensive Solid Waste Management Plan into the review process.

ATTEST:



Patrice Morris, Clerk

6/19/07

Date



Verna Phillips, Chairperson

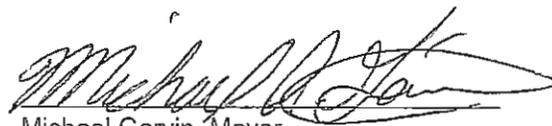
Effingham County Board of Commissioners



Debra Scruggs, Clerk

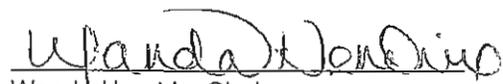
6-12-07

Date



Michael Garvin, Mayor

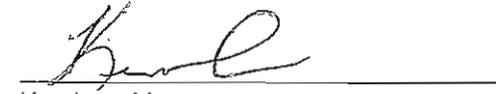
City of Guyton



Wanda Hendrix, Clerk

7/3/07

Date



Ken Lee, Mayor

City of Rincon



Amber Nettles, Clerk

9/20/07

Date



Barton Alderman, Mayor

City of Springfield

**Comprehensive Solid Waste Management Plan
for Effingham County and the Cities of Guyton, Rincon and Springfield**

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PREFACE

The Joint Comprehensive Solid Waste Management Plan and Implementation Strategy were prepared through an active and cooperative effort of the elected officials and staff of Effingham County, the City of Guyton, the City of Rincon and the City of Springfield. The residents of Effingham County and its Municipalities were also encouraged to participate in the Public Hearings, Information Meetings and the surveys that were performed throughout the County and Cities.

ELECTED OFFICIALS

Effingham County Commissioners

Verna Phillips, Chairperson	District 5
Myra Lewis, Vice-Chair	District 2
Hubert Sapp	District 1
Jeff Utley	District 3
Reggie Loper	District 4

City of Guyton

Michael Garvin	Mayor
Les Pevey	Mayor Pro-tem
Phillip King	Alderman
Brenda Lovett	Alderman
Jeff Lariscy	Alderman

City of Rincon

Ken Lee	Mayor
Levi Scott, Jr.	Mayor Pro-tem
Ken Baxley	Council member
Reese Browher	Council member
Lamar Crosby	Council member
Scott Morgan	Council member
Paul Wendelken	Council member

City of Springfield

Barton Alderman	Mayor
Dennis Webb	Mayor Pro-tem
Ronald Boatwright	Councilman
Charles Hinely	Councilman
Butch Kieffer	Councilman
Max Neidlinger	Councilman
Kenny Usher	Councilman

ADMINISTRATIVE AND PLANNING STAFF

Edward Williams	Administrator, Effingham County
David Crawley	Assistant County Administrator, Effingham County
David Schofield	Interim City Manager, Rincon
LaMeisha Hunter	City Planner, Rincon
George Shaw	Senior Planner, Effingham County
Kresha Aycock	GIS Coordinator, Effingham County
Connie Burns	Solid Waste Coordinator, Effingham County
Patrice Morris	County Clerk, Effingham County
Debra Scruggs	City Clerk, Guyton
Wanda Hendrix	City Clerk, Rincon
Amber Nettles	City Clerk, Springfield
Wanda Price	Administrative Assistant, Effingham County Sanitation

INTRODUCTION

The Comprehensive Solid Waste Management Plan for Effingham County and its three incorporated municipalities of Guyton, Rincon and Springfield is a result of the Georgia Comprehensive Solid Waste Management Act of 1990. Effingham County and the Cities of Guyton, Rincon and Springfield first worked to implement a multi-jurisdictional solid waste plan in June of 1993. In August of 1999, the County and Cities amended the plan by adopting a Short Term Work Plan Update, Implementation Strategy and a Report of Accomplishments. This plan is an update to that document and covers the period from 2007-2016.

Just as the Comprehensive Solid Waste Management Plan of 1993 contained information to be used in guiding Effingham County and the Cities of Guyton, Rincon and Springfield through solid waste management decisions, this updated plan focuses on that information as well as current population and growth projections that effect solid waste management. As required by the Solid Waste Management Act, the plan addresses the following criteria:

1. Assures adequate solid waste collection and disposal capacity for at least ten years from the date of plan completion.
2. Implementation of measures that can effectively enhance a 25% per capita reduction in municipal solid waste disposed statewide in solid waste facilities as compared with the per capita municipal solid waste disposal rate in FY1992.
3. Identify by size and type all solid waste facilities within the plan's area.
4. Identify land areas unsuitable for solid waste handling facilities bases on environmental and land use factors.

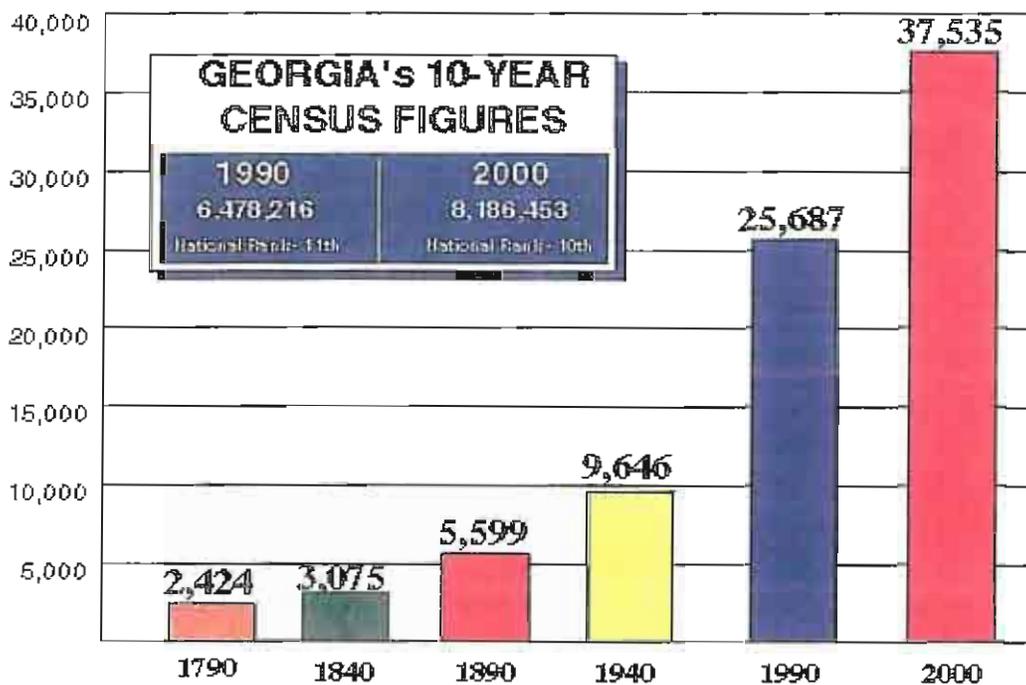
The Effingham County and Cities of Guyton, Rincon and Springfield Comprehensive Solid Waste Management Plan contain information on five core planning elements. The five elements are waste reduction, collection, disposal, land limitation, and public involvement and education. These elements shall be preceded by a waste stream analysis and followed by a plan consistency element and an implementation schedule.

Effingham County is located in the southeast part of Georgia, covering 482 square miles. Effingham County was created in 1777 from the colonial parishes of St. Matthew and St. Philip. Georgia's 4th county was named for Lord Effingham, an English nobleman who was a colonial rights advocate and who refused to take up arms against the revolutionaries. Effingham County is one of the oldest settlement areas in America. The Lutheran Salzburg community established in 1734 at Ebenezer (German for "Stone of Help"), was the second settlement in Georgia.



Effingham County borders Screven County on the north, Bulloch County on the west, Bryan and Chatham Counties on the south and the Savannah River forms Effingham County's eastern border, separating it from the state of South Carolina.

As of March 2006, the U.S. Census Bureau ranked Effingham County the 28th fastest-growing county in the nation in its *Housing Units Estimates for the Fastest Growing U.S. Counties*. With a current estimated population exceeding 46,000 and about 18,001 residences, the incorporated Cities of Guyton, Rincon, and Springfield and Effingham County have been experiencing a faster rate of growth than the State of Georgia as a whole. Effingham County's population growth is from new residents as Effingham County has very few seasonal workers.



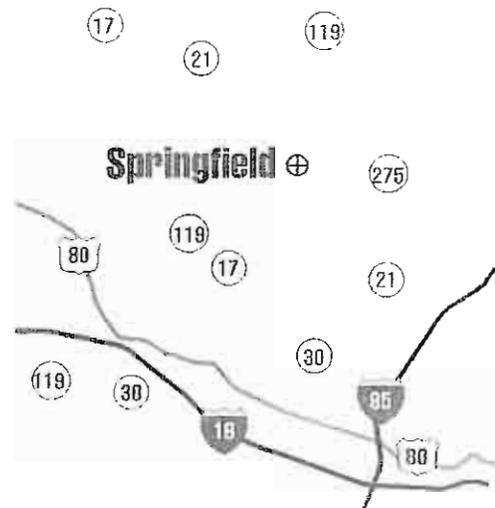
Year	Guyton	Rincon	Springfield
1960	670	1,057	858
1970	742	1,854	1,001
1980	749	1,988	1,075
1990	740	2,993	1,415
2000	917	4,376	1,821

The figures and charts represent the results of the Federal census of 2000

Effingham County is primarily rural with the majority of the land use being agricultural, followed by recreation and conservation use. The topography of the county is flat, making it well suited for these uses. The county is bordered by the Savannah River on the east and the Ogeechee River on the west, creating slight sloping of land in these areas near the rivers. Effingham County is more densely populated on the south end of the County near Savannah. New developments are continually changing the landscape of this area. The north end of the county still boasts much rural land and is the host to many hunting clubs due to its richness in wildlife. The rural landscape also hosts many small and large farms, containing livestock, crops and planned and natural forest plots.

Effingham County and the Cities of Guyton, Rincon, and Springfield are home to a diverse array of industries which employ many of Effingham's residents. International companies like Doncasters, International Paper and Georgia Pacific have locations in Effingham. Retail and manufacturing outlets such as Wal-Mart, Temcor, P&E Industries, Ardry Trading, MAS Exports, Savannah Yacht Company, Flint River Services and ValuePart also operate in Effingham County. Due to the explosion of growth in Effingham County, the construction and utility industries are essential. All of these companies, along with our local governments, hospital and other health/medical facilities and our highly acclaimed public school system, employ the 33% of Effingham County residents who live and work in the county.

Employment in the County has nearly doubled between 1990 and 2005 (from 4,400 jobs to 8,412 jobs). As the Industrial Development Authority in cooperation with the Chamber of Commerce works to expand and recruit new industry to the county, more manufacturing jobs will become available. An industrial park is centrally located in the county and includes industries in manufacturing and warehousing. Another private industrial park was recently built near the Effingham County/Chatham County line. Businesses have begun to locate into this park which will be the closest park in Effingham County to the Ports of Savannah. Both industrial parks are in close proximity to the Ports making them desirable for companies who import/export. Effingham County's location to the Ports, Interstates 16 and 95 and State Routes 17, 21, 30, 80, 119, 275 will help make the county more desirable for business growth.



The Cities of Guyton, Rincon and Springfield include mostly residential development. Although all of the cities have some commercial development such as service stations, locally owned grocery stores, medical facilities, restaurants, dollar department stores, banks and other locally owned small businesses, Rincon, the largest incorporated city in

the County, serves as the retail center of Effingham County. Rincon is home to larger retailers such as Wal-mart, chain grocery stores, furniture stores, warehouses, fast food and other restaurants, utility companies, automobile dealerships and home supply stores.

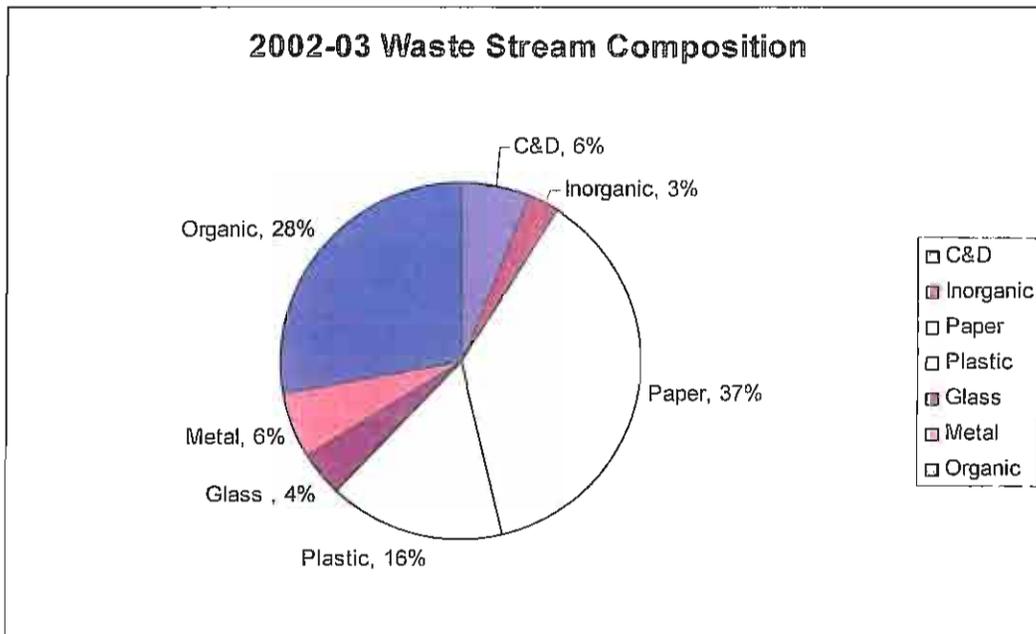
An understanding of the current situation in Effingham County and the Cities of Guyton, Rincon and Springfield were necessary for the update of this Joint Comprehensive Solid Waste Management Plan. All aspects of the county and cities were taken into consideration including, but not limited to; demographics, population, economic development, natural resources, and land uses, while preparing this plan. An assessment of existing activities in the solid waste area will show the needs of the communities, while also building a foundation for a good working plan for the future solid waste needs of Effingham County and the Cities of Guyton, Rincon and Springfield. The Joint Comprehensive Solid Waste Management Plan will complement the Effingham County Comprehensive Plan by helping provide guidance documents to lead Effingham County and the Cities of Guyton, Rincon and Springfield's future solid waste planning needs.

It should be also noted that Effingham County and the Cities of Guyton, Rincon and Springfield will begin updating curbside solid waste handling contracts within the coming year. If necessary, this plan will be amended to show any changes. Effingham County and the Cities of Guyton, Rincon and Springfield are included in the emergency operations plan written by the Effingham County Emergency Management Agency. The Sanitation Department works in conjunction with the jurisdictions as well as other agencies, businesses and residences to coordinate clean up and disposal activities. The current plan addresses many issues related to solid waste management, such as debris removal and disposal, policies and procedures and staging areas. To ensure that Effingham County is always prepared for a natural or man made disaster, the Effingham County Sanitation Department is working with the Emergency Management Office to update its part of the plan as related to updated contracts for collection, disposal and staging areas, as well as add waste reduction/recycling and public education procedures in the plan. This update, which will coincide with the Joint Comprehensive Solid Waste Management Plan for Effingham County and the Cities of Guyton, Rincon and Springfield, will ensure that all solid waste needs are met in the event of a natural or man-made disaster or emergency.

WASTE DISPOSAL STREAM ANALYSIS

The Waste Disposal Stream Analysis percentages were provided by the Department of Community Affairs. The purpose of this analysis is to provide projections of the anticipated waste stream for the next ten years to local governments so they can more efficiently plan waste reduction and recycling efforts.

The tonnages in the study as reported by the Environmental Protection Division showed that in fiscal year 2002-03, Effingham County residents disposed of 3,063 tons, Guyton disposed of 173 tons, Rincon disposed of 2,646 tons, and Springfield disposed of 188 tons of municipal solid waste.

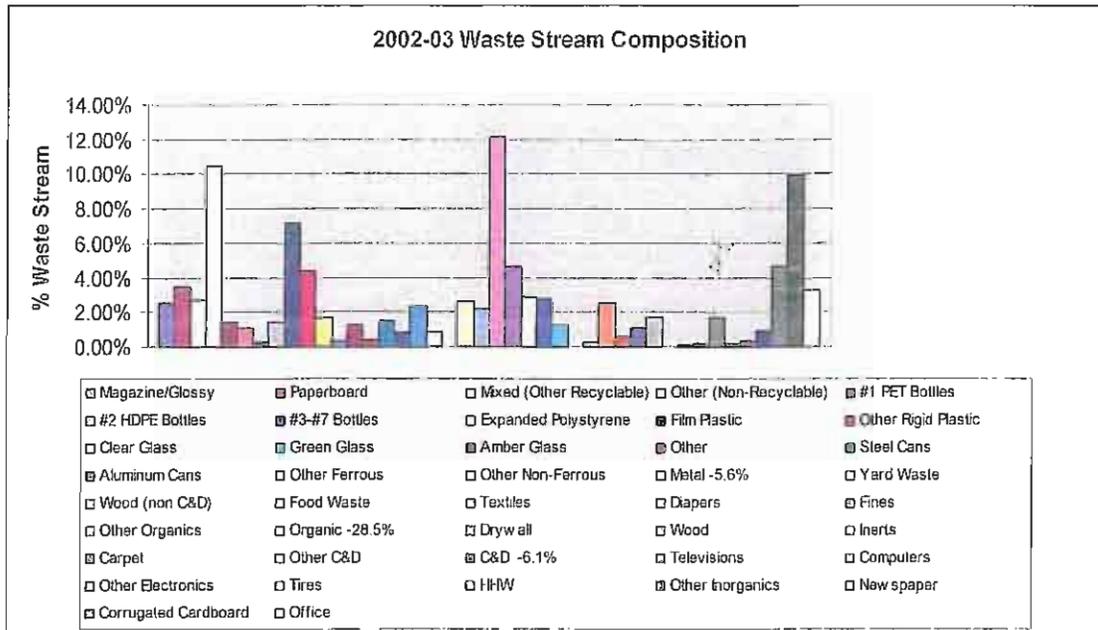


Non-weighted Average Aggregate Composition
(568 Samples)
Information given by DCA

Due to the explosive growth in the county and cities, the waste tonnages have escalated much higher than the numbers from FY 2002-03. Currently, Republic Services, the private vendor who services Effingham County and the Cities of Guyton, Rincon and Springfield, estimates that they collect around 18,594 tons from both residents and businesses who utilize their services with curbside containers. Even with the higher tonnage collected, it is projected that the majority of the waste stream composition has relatively stayed the same. The only areas projected to increase are the construction and demolition waste areas due to the construction and growth in the county and cities.

Over 820 tons of recyclables were collected by the county. This amount does not include private recycling bins that are not supported by the county or cities. Efforts are

being made to collect that data as to project exactly how much waste is being recycled in Effingham County. By the county's estimates, only 4% of the waste stream is currently being recycled; however, with the data from private recyclers, this percentage would be much higher.



Non-weighted Average Aggregate Composition
(568 Samples)
Information given by DCA

Magazine/Glossy	2.49%	Food Waste	12.12%
Paperboard	3.43%	Textiles	4.64%
Mixed (Other Recyclable)	2.74%	Diapers	2.88%
Other (Non-Recyclable)	10.47%	Fines	2.78%
#1 PET Bottles	1.43%	Other Organics	1.26%
#2 HDPE Bottles	1.10%	Organic -28.5%	0.00%
#3-#7 Bottles	0.22%	Drywall	0.24%
Expanded Polystyrene	1.46%	Wood	2.51%
Film Plastic	7.18%	Inerts	0.56%
Other Rigid Plastic	4.36%	Carpet	1.11%
Clear Glass	1.68%	Other C&D	1.65%
Green Glass	0.36%	C&D -6.1%	0.00%
Amber Glass	1.28%	Televisions	0.11%
Other	0.44%	Computers	0.15%
Steel Cans	1.53%	Other Electronics	1.71%
Aluminum Cans	0.85%	Tires	0.21%
Other Ferrous	2.36%	HHW	0.34%
Other Non-Ferrous	0.82%	Other Inorganics	0.90%
Metal -5.6%	0.00%	Newspaper	4.63%
Yard Waste	2.62%	Corrugated Cardboard	9.91%
Wood (non C&D)	2.19%	Office	3.27%

Effingham County or the Cities of Guyton, Rincon and Springfield do not manage commercial, construction and demolition or industrial waste. The county and cities are serviced by many private waste haulers and all waste is exported out of Effingham County. Because these vendors export the waste out of the county while also servicing other neighboring counties, waste tonnages are combined at the landfill facilities. This shortcoming of information makes it virtually impossible to provide tonnage amounts.

Currently, major waste generators include:

Industrial/Manufacturing Waste – Georgia Pacific, Doncasters, International Paper, Temcor, P&E Industries, Ardry Trading, MAS Exports, Savannah Yacht Company, Flint River Services, Georgia Power, Effingham Power and ValuePart

Commercial Waste – Wal-mart, Kroger, Food Lion, grocery and convenience stores, restaurants, local government, banks and business offices, all retailers

Special Waste – Effingham Hospital and Extended Care Facility, medical facilities, Waste water treatment plants, automobile repair shops

Organic Waste – Effingham County Schools, Effingham County Hospital and Extended Care Facility, Effingham County Prison and Jail, Restaurants

Construction and Demolition Waste – Contractors for residential units and some business units

As part of the previous solid waste plan did not implement tracking of this type of waste, Effingham County sees the need to track this waste in efforts to further reduce the waste stream and build a stronger recycling program. Effingham County is working to implement practices or possible franchise agreements that will put management practices in place to better track the waste from these generators and/or haulers. This will be a coordinated process between the county, cities, private waste haulers and private landfill facilities.

Effingham County is also updating its Disaster Management Plan which will also provide better tracking of waste from disasters such as the tornadoes of 1998 and the major ice storm in 2000.

WASTE REDUCTION ELEMENT

INVENTORY AND ASSESSMENT OF EXISTING PROGRAMS

Effingham County's Dry Waste and Recycling Convenience Center, which was built in 2000, is located so all residents, both city and county, can benefit from the site. The facility is easily accessible to all Effingham County residents due to its central location from anywhere in the county. The site collects and processes all metal, white goods, aluminum, copper, steel, copper, paper, newsprint, cardboard, books and magazines. The metal items are put into large roll offs and carried to a recycling plant. The paper products are carried to Georgia Pacific, which is located in Effingham County. Automobile batteries, cellular telephones, recyclable batteries, toner and inkjet cartridges are also accepted and recycled. All of the fore mentioned items are accepted at no charge to residents or businesses. Yard trimmings, cured asphalt, brick, concrete and "earth-like" materials are also accepted, but are not accepted free of charge. These items are separated when they are collected and stockpiled until they can be ground up into a usable material, such as mulch grade compost. This material is either given to residents, used in county projects or if the material will not produce a quality product, it is hauled to a permitted by rule inert landfill. We are currently working on a project to grind concrete, brick and cured asphalt into a usable material that can be used by our Public Works Department in road projects. The reuse of both of these materials will save a lot of landfill space. Tires are also accepted at this site and are charged by the size of the tire and whether or not it is on the rim or not. Tires are hauled by an EPD permitted carrier to a permitted processing facility. The tires are ground into chips and used for fuel and aggregate material for landfills and septic systems. The Sanitation Department is currently working with the three local thrift stores to have a drop off site at this facility, which will divert even more waste from the landfills and promote reuse.

The City of Guyton offers its residents twice a month curbside yard trimmings collection through a private contractor. Guyton also has a drop off site for paper, and cardboard. The paper from this site is carried to Georgia Pacific. Many local churches and schools have a drop off site for newsprint that is available for residential and business use. The paper from this site is carried to SP Recycling.

The City of Rincon residents utilize a drop off site for paper, newsprint and cardboard. The paper from this site is carried to Georgia Pacific. Many local churches and schools have a drop off site for newsprint that is available for residential and business use. The paper from this site is carried to SP Recycling. The City of Rincon offers its residents a "call to schedule" program for yard trimmings and white goods. This program is free of charge.

The City of Springfield offers its residents twice a month curbside yard trimmings collection through a private contractor. Many local churches and schools have a drop

off site for newsprint that is available for residential and business use. The paper from this site is carried to SP Recycling.

The Cities of Guyton, Rincon and Springfield recycle paper and aluminum cans within their government offices. These items are collected by staff and by a development center for children.

Manna House Ministries, Acts III Ministries, Habitat for Humanity Re-Store and Goodwill have a drop off sites and/or thrift stores available for residents in Effingham County and the Cities of Guyton, Rincon and Springfield. Several consignment and used furniture/antique stores are also located in Effingham County. These facilities both benefit the community by helping people purchase good items at more economical prices while keeping good, usable materials from going into landfills.

Small recycling sites and/or collection boxes are prevalent throughout the County and Cities. Georgia Pacific paper mill has roll off bins at their entrance to accept all paper, cardboard and newsprint. These items are recycled locally at the mill. Non-profit agencies throughout the county recycle newsprint, cardboard, aluminum cans, cellular phones and eyeglasses as fundraisers. Churches and schools in the unincorporated areas of Effingham County have drop off sites for newsprint that is available for residential and business use. The paper from this site is carried to SP Recycling. Several grocery stores accept plastic and paper bags for recycling. Some office supply stores accept inkjet and toner cartridges. Advanced Auto Parts store collects oil and some auto shops will take oil and antifreeze. These items are collected by a company who recycles it to make cleaning solution.

The Effingham County government offices and all of the 15 local schools and school board offices recycle paper, cardboard and newsprint. This is a partnership between Effingham County Sanitation Department, the Effingham County School System and Georgia Pacific. This effort has helped eliminate at least one dumpster collection per week at some schools, thus saving money, saving landfill space, and helping support our local paper mill. The school system is very involved in solid waste issues. We are constantly working at reducing waste by source reduction and recycling in the school system.

Effingham County and the Cities of Guyton, Rincon and Springfield partner together to offer special recycling events throughout the year. In the spring during the Keep America Beautiful Great American Clean Up, the local governments host the County Wide Clean Up Day where fees at the Dry Waste Collection and Recycling Site are reduced or eliminated for special waste items such as tires, electronics and household hazardous waste. In the fall, America Recycles Day and Rivers Alive Waterway Clean Ups are celebrated. Bring One for the Chipper Christmas Tree Recycling events are held after Christmas each year.

As stated above, Effingham County and the Cities of Guyton, Rincon and Springfield dispose of yard trimmings by having residents bring the yard trimmings to the Dry

Waste and Recycling Collection Site or put them curbside for collection if the resident lives within the incorporated city limits. This is enforced through the Effingham County Sanitation Department Environmental Code Enforcement Officer Program or through City Public Works. The private waste hauler who collects waste at curbside for the county and cities is also educated to not collect trash containers curbside if they have yard trimmings in them. The waste hauler contacts the Effingham County Sanitation Department with violations and code enforcement educates the violator.

Waste haulers are not required to report waste tonnages to Effingham County for residential or commercial waste, therefore making it difficult to obtain a correct tonnage for waste in Effingham County. Effingham County and the Cities of Guyton, Rincon and Springfield all use the same private vendor for collection, making residential waste tonnages easier to obtain. According to Republic Services, the private vendor who collects municipal solid waste in Effingham County and the Cities of Guyton, Rincon and Springfield, they collect around 18,820 carts per week (this is for 1st and 2nd carts) and approximately 18,594 tons per year from Effingham County residences and businesses who use the 90 gallon curbside carts. Dry Waste and Recycling tonnages are obtained through the Dry Waste and Recycling Collection Site. The other recycling tonnages from non profits and schools may be harder to obtain and not accurate.

To successfully reduce our municipal solid waste and expand our recycling rate from the current 4% to 25%, the residents of the county and cities must be educated on the importance of all solid waste issues and how solid waste relates to natural resource use and conservation. Keep Effingham Beautiful provides programs and educational tools to all residents, businesses, schools, civic organizations and churches in Effingham County and the Cities of Guyton, Rincon and Springfield. More about these programs will be discussed in the Public Education Element.

WASTE REDUCTION NEEDS AND GOALS

1. The primary focus of the solid waste work plan over the years 2007 to 2016 will be to reduce the waste stream through aggressive recycling, re-use and waste reduction efforts. A strong public education program will enhance these efforts and help Effingham County and the Cities of Guyton, Rincon and Springfield reach the 25% reduction goal. All public information programs should be increased. Governments, Schools, Businesses and Residents will be encouraged to cut waste by source reduction and by recycling everything that we can get a market for. The formation of a dynamic partnership with a local recycling firm, Georgia Pacific Corporation, will only enhance these efforts. Residents and businesses will be educated to know what solid waste cost, who has to pay for it and what the repercussions are if solid waste is not managed correctly.
2. Increase education concerning yard trimmings management. Governmental and residential composting of yard trimmings will be emphasized. Partner with local

agencies such as the county extension service to have a home composting seminar.

3. Expand school and county/city recycling programs. County offices and school paper recycling collection programs will expand while additional items will be added to the recycling program. An expansion of the Dry Waste and Recycling Site and the construction of an Environmental Education Center at this site will enhance the efforts for waste reduction. Tours will be offered as well as summer environmental camps for students.
4. Work with private waste haulers and local businesses to collect better data concerning waste and recycling tonnages. More effort will be placed on tracking and recording recycling efforts all over the county and especially at large commercial establishments like the grocery stores, shopping centers and Wal-Mart. This component of the recycled waste paper material is currently not counted.
5. Get code enforcement involved in more solid waste issues.
6. Work with agencies to find more markets for recycling. The Department of Community Affairs offers information on recycling markets, as does the Georgia Recycling Coalition and private recyclers.
7. Audit the current recycling program. Although curbside recycling has failed in the past, the population growth on the south end of the county and in the cities may warrant the opportunity to expand the recycling program to curbside instead of drop off in targeted areas. Guyton, Rincon and Springfield understand the need for an effective recycling program in their jurisdiction. The two possibilities for a recycling program are either curbside or convenience centers. The cities will continue to study their options and try to implement a plan within this planning period.

COLLECTION ELEMENT

INVENTORY AND ASSESSMENT OF EXISTING PROGRAMS

Abolishing the roadside green box collection system employed by the county and the implementation of a curbside collection program was the most significant accomplishment of the initial five year work plan of the 1993 Comprehensive Plan. This change came about as a result of a long-term study involving a citizen's advisory committee and consultant. The change occurred in January 1998 as a result of a competitive bid process. One important factor in the process was a unique multi-jurisdictional bid document, which resulted in separate contracts for the unincorporated areas of the County, the City of Guyton, the City of Rincon and the City of Springfield. This has proved to be very successful and has lasted since the initial contract negotiations. The contract initially started with Sullivan Environmental Services, Inc. SES, Inc. was bought out by Republic Services, Inc. Republic Services, Effingham County and the Cities of Guyton, Rincon and Springfield renegotiated the contract in 2003 for another five years with another five year renewal clause.

Effingham County residents receive curbside trash pick-up once a week. The total fee is \$9.00 per month per dwelling. As of May 2007, Republic serviced 14,560 1st carts and 559 2nd carts (these are residents or businesses who subscribe for more than one cart). Residents pay for this service on their property tax bill as a special tax assessment. Currently, residents pay \$144 per year for first carts, \$96.00 per year for second carts and elderly residents who meet certain exemptions get a reduced rate of \$72.00 per year. The sanitation special tax assessment goes into an enterprise fund and covers all sanitation expenses including administration, public education, litter abatement, post closure care at the old MSW landfill, Dry Waste Collection and Recycling Site and all other sanitation operations, equipment and infrastructure.

Effingham County has a staffed Dry Waste and Recycling Collection Site that collects and processes all metal, white goods, aluminum, copper, steel, copper, paper, newsprint, cardboard, books and magazines. The metal items are put into large roll offs and carried to a recycling plant such as Savannah Recycling. The paper products are carried to Georgia Pacific, which is located in Effingham County. Automobile batteries, cellular telephones, recyclable batteries, toner and inkjet cartridges are also accepted and recycled. All of the fore mentioned items are accepted at no charge to residents or businesses. Yard trimmings, cured asphalt, brick, concrete and "earth-like" materials are also accepted, but are charged \$80 per ton. These items are separated when they are collected and stockpiled until they can be ground up into a usable material, such as mulch grade compost or crush and run rock. This material is either given to residents, used in county projects or if the material will not produce a quality product, it is hauled to a permitted by rule inert landfill. We are currently working on a project to grind concrete, brick and cured asphalt into a usable material that can be used by our Public Works Department in road projects. The reuse of both of these materials will save a lot of landfill space. Tires are also accepted at this site and are charged by the size of the tire. The costs begins at \$2.00 for a car tire and increases

depending on the size of the tire and whether or not it is on the rim. Tires are hauled by an EPD permitted carrier to a permitted processing facility, currently Ridge Recyclers. The tires are ground into chips and used for fuel and aggregate material for landfills and septic systems. Dry waste, such as construction and demolition debris, furniture, carpet, textiles, plastics, and anything else that is dry trash and not on our accepted recycled items list is collected, charged a fee of \$80 per ton and put into roll off containers to be carried to Savannah Regional Industrial Landfill or Savannah Regional Transfer Station and then to Broadhurst Environmental in Jesup, GA, all of which are EPD permitted facilities. Last year, the site recycled 3,319 car/light truck, 300 semi-truck, 25 farm and 25 off the road tires, recycled 365 tons of metal and aluminum, and recycled 211 batteries, most of which were illegally dumped, and also cleaned up 7 ½ tons of illegal dumpsites.

The City of Guyton receives curbside trash pick-up once a week and yard trash pick-up twice a month. The total fee for these two services is presently \$11.45 per dwelling per month. Second cart fees are \$3.19 per month per dwelling. As of May 2007, Republic serviced 605 first carts and 62 second carts (these are residents or businesses who subscribe for more than one cart). Residents pay for this service on their water and sewer bills monthly.

The City of Rincon receives curbside trash pick-up once a week at a cost of \$9.05 per dwelling per month for first carts and \$3.19 per dwelling per month for second carts. As of May 2007, Republic serviced 2,142 first carts and 177 second carts (these are residents or businesses who subscribe for more than one cart). Residents pay for this service on their water and sewer bills monthly. The City of Rincon does not have a contract for yard trash pick-up as the City still maintains this service in house. Rincon owns a chipper and uses it to chip yard trash. The chips are given to residents for use in flowerbeds, etc. Metal and white goods are collected by the City of Rincon. The white goods are picked up "on call" and recycled at no direct charge to the residents.

The City of Springfield receives curbside trash pick-up twice a week and yard trash pick-up twice a month. The total fee for these two services is presently \$15.39 per dwelling per month. Second cart fees are \$3.27 per month per dwelling. As of May 2007, Republic serviced 694 first carts and 21 second carts (these are residents or businesses who subscribe for more than one cart). Residents pay for this service on their water and sewer bills monthly. The City of Springfield also owns a chipper and will chip large items on site for residents if they are called to do so. This only occurs if the amount is too large for Republic to pick up curbside. The chipper is used for special recycling events too.

All of the municipal solid waste from Effingham County and the Cities of Guyton, Rincon and Springfield is collected by Republic Services, Inc. and transported to Savannah Regional Transfer Station where it is reloaded into tractor trailers and transported to Broadhurst Environmental Landfill in Jesup, GA. The price per dwelling that the County and each City pays includes the collection and disposal cost. Contracts between Effingham County, the Cities of Guyton, Rincon and Springfield and Republic Services are attached for review.

Illegal dumpsites and other littered waste is collected by the Effingham County Sanitation Department, Public Works Department, Recreation Department, Prison and Environmental Code Enforcement as well as all the City Public Works Departments. Effingham County and the Cities of Guyton, Rincon and Springfield spend over \$500,000 annually cleaning up littering and illegal dumpsites on county and city owned property and road right of ways. This does not include private property or state road right of ways. Effingham County's Environmental Code Enforcement Program investigates illegal dumpsites, handles solid waste complaints, and inspects scrap tire generators, and all other solid waste and environmental violations. Effingham County and the Cities of Guyton, Rincon and Springfield each have ordinances that address solid waste issues in an effort to protect Effingham County's environment by handling all waste properly as well as protecting the health and safety of the residents who live here.

The Effingham County Sanitation Department has a Mack front loader recycle truck that it uses to service dumpsters at government offices and the 15 local schools and school board offices that recycle paper, cardboard and newsprint. This is a partnership between Effingham County Sanitation Department, the Effingham County School System and Georgia Pacific. 55 tons of cardboard and mixed paper from the county schools, offices and recycle center were collected last year. This effort has helped eliminate at least one dumpster collection per week at some schools, thus saving money, saving landfill space, and helping support our local paper mill. The school system is very involved in solid waste issues. We are constantly working at reducing waste by source reduction and recycling in the school system.

Small recycling sites and/or collection boxes are prevalent throughout the County and Cities. The County or Cities do not collect, manage or receive information from these recycling efforts. Georgia Pacific paper mill has roll off bins at their entrance to accept all paper, cardboard and newsprint. These items are recycled locally at the mill. Non-profit agencies throughout the county recycle newsprint, cardboard, aluminum cans, cellular phones and eyeglasses as fundraisers or service projects. Churches and schools in the unincorporated areas of Effingham County have drop off sites for newsprint that is available for residential and business use. The paper from this site is collected by and carried to SP Recycling. Several grocery stores accept plastic and paper bags for recycling. Some office supply stores accept inkjet and toner cartridges. Advanced Auto Parts store collects oil and some auto shops will take oil and antifreeze. These items are collected by a company who recycles it to make cleaning solution.

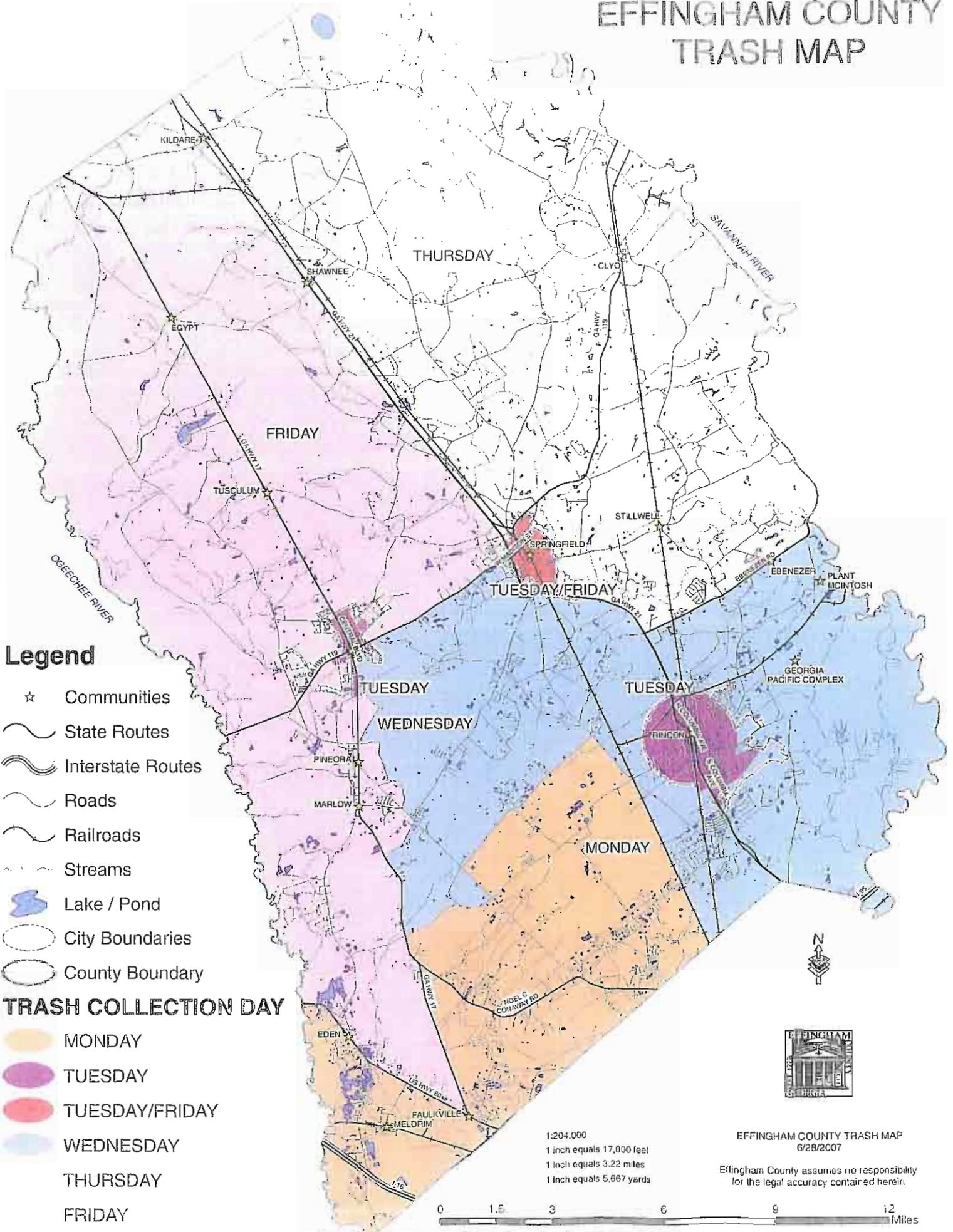
Should the current collection practices for municipal solid waste be interrupted for any reason or if future conditions warrant a change in the use of the collection vendors currently used by the Effingham County jurisdictions, this plan will be amended accordingly. Potential use of the publicly owned transfer station in Screven County and Bulloch County, the use of Savannah Energy Systems Waste to Energy facility or some other alternative are considered possible contingency options for disposal. Waste Management Corporation also has Superior Landfill and the Low Country facility. These facilities can be reached within a reasonable travel distance. Several waste companies offer green box dumpster services in this service area. The county and

cities both have property, including the Dry Waste Collection and Recycle Site, which is centrally located in the County that could be used for green box sites in emergencies.

COLLECTION NEEDS AND GOALS

1. Reducing the waste stream through aggressive recycling, re-use and waste reduction efforts will help Effingham County and the Cities of Guyton, Rincon and Springfield reach the 25% reduction goal by recycling everything that we can get a market for. The collection of these materials will be the key to success. Effingham County and the Cities of Guyton, Rincon and Springfield will need to expand the recycling collection program to meet the wants and needs of the community and find the markets where these items can be collected. As the county continues to grow, the demands from new residents wanting more advanced recycling programs will increase. An expansion of the Dry Waste and Recycling Site and the construction of an Environmental Education Center at this site will enhance the efforts for waste reduction. Work with agencies to find more markets for recycling. The Department of Community Affairs offers information on recycling markets, as does the Georgia Recycling Coalition and private recyclers.
2. Revamp the current yard trimmings management program by not just collecting the waste, but finding new innovative ways to promote home composting or process the waste. Get local agencies involved as well the private haulers hauling the cities yard trimmings.
3. Expand school and county/city recycling collection programs. The truck used currently is aging and can be difficult to operate. Look at more efficient collection methods, while also expanding the program.
4. Work with private waste haulers and local businesses to collect better data concerning waste and recycling tonnages. More effort will be placed on tracking and recording recycling efforts all over the county and especially at large commercial establishments like the grocery stores, shopping centers and Wal-Mart. This component of the recycled waste paper material is currently not counted.
5. Consider establishing new drop off sites for recyclables to make recycling more convenient to those areas that are experiencing a lot of growth and are more densely populated.
6. Conduct audits of waste collection and recycling collection routes. Make changes as necessary to keep the collection service adequate for the community's growth patterns. Use GIS when available for assistance.
7. Insure that the private waste haulers used by Effingham County can provide a ten year capacity for waste generated in the county.

EFFINGHAM COUNTY TRASH MAP



Legend

- ☆ Communities
- ~ State Routes
- ≡ Interstate Routes
- Roads
- Railroads
- - - Streams
- Lake / Pond
- City Boundaries
- County Boundary

TRASH COLLECTION DAY

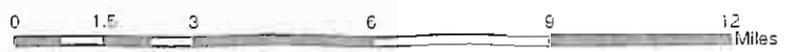
- MONDAY
- TUESDAY
- TUESDAY/FRIDAY
- WEDNESDAY
- THURSDAY
- FRIDAY

1:204,000
 1 inch equals 17,000 feet
 1 inch equals 3.22 miles
 1 inch equals 5.667 yards



EFFINGHAM COUNTY TRASH MAP
 6/28/2007

Effingham County assumes no responsibility
 for the legal accuracy contained herein.



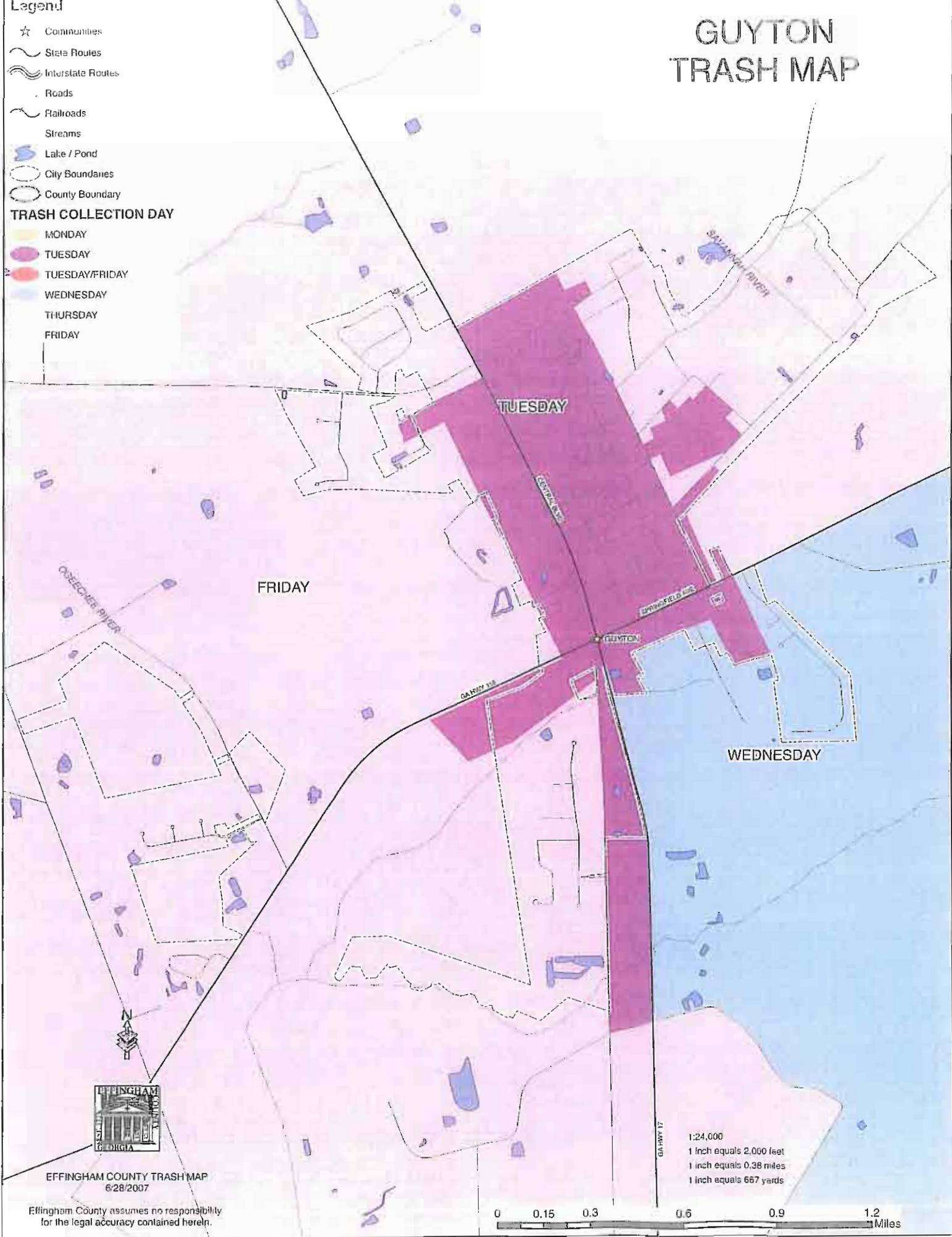
Legend

- ☆ Communities
- ~ State Routes
- ~ Interstate Routes
- Roads
- Railroads
- Streams
- Lake / Pond
- City Boundaries
- County Boundary

TRASH COLLECTION DAY

- MONDAY
- TUESDAY
- TUESDAY/FRIDAY
- WEDNESDAY
- THURSDAY
- FRIDAY

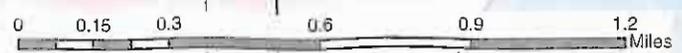
GUYTON TRASH MAP



EFFINGHAM COUNTY TRASH MAP
6/28/2007

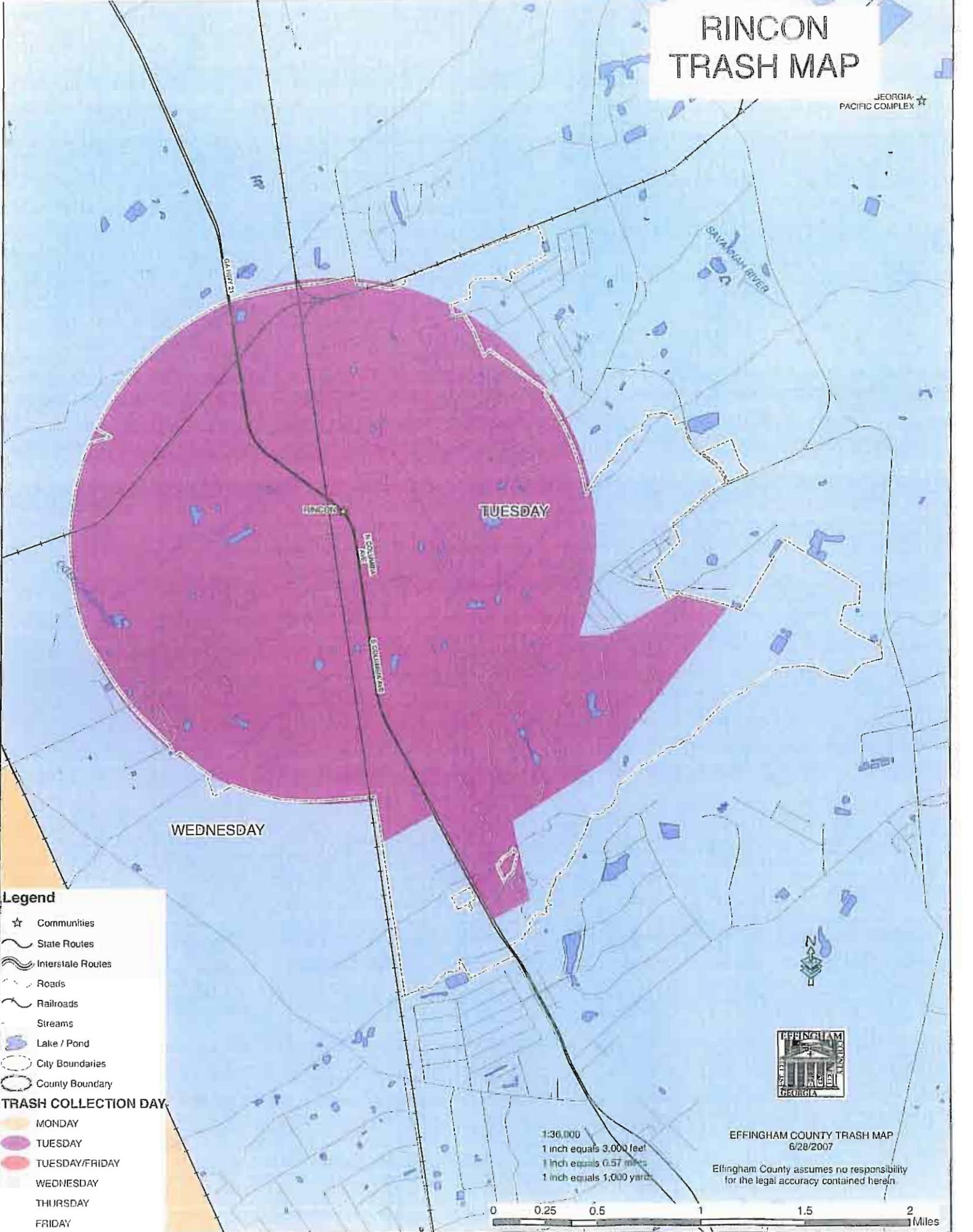
Effingham County assumes no responsibility for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 667 yards



RINCON TRASH MAP

GEORGIA
PACIFIC COMPLEX ☆



- Legend**
- ☆ Communities
 - ~ State Routes
 - ~ Interstate Routes
 - ~ Roads
 - ~ Railroads
 - ~ Streams
 - ~ Lake / Pond
 - ~ City Boundaries
 - ~ County Boundary
- TRASH COLLECTION DAY:**
- MONDAY
 - TUESDAY
 - TUESDAY/FRIDAY
 - WEDNESDAY
 - THURSDAY
 - FRIDAY

1:36,000
1 inch equals 3,000 feet
1 inch equals 0.57 miles
1 inch equals 1,000 yards

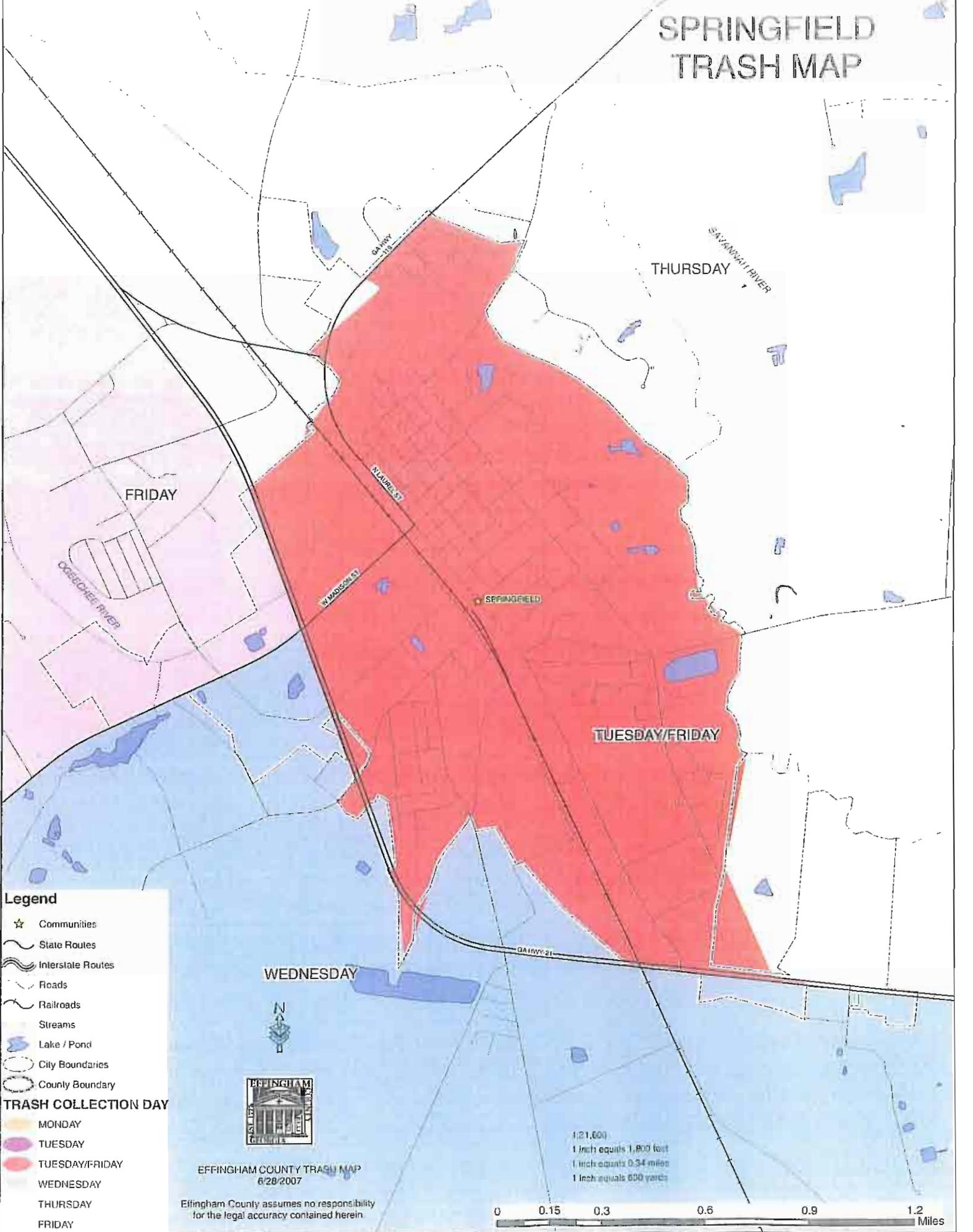


EFFINGHAM COUNTY TRASH MAP
6/28/2007

Effingham County assumes no responsibility
for the legal accuracy contained herein.



SPRINGFIELD TRASH MAP



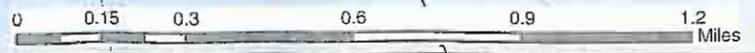
- Legend**
- ☆ Communities
 - ~ State Routes
 - ~ Interstate Routes
 - ~ Roads
 - ~ Railroads
 - ~ Streams
 - ~ Lake / Pond
 - ~ City Boundaries
 - ~ County Boundary
- TRASH COLLECTION DAY**
- MONDAY
 - TUESDAY
 - TUESDAY/FRIDAY
 - WEDNESDAY
 - THURSDAY
 - FRIDAY



EFFINGHAM COUNTY TRASH MAP
6/28/2007

Effingham County assumes no responsibility for the legal accuracy contained herein.

1:21,600
1 inch equals 1,800 feet
1 inch equals 0.34 miles
1 inch equals 600 yards



EFFINGHAM COUNTY DRY WASTE COLLECTION SITE
2750 COURTHOUSE RD.

THE HOURS OF OPERATION ARE:
Monday, Wednesday, Friday and Saturday
8:00 a.m. – 5:00 p.m.
(closed on county holidays)

THE FOLLOWING ITEMS WILL BE ACCEPTED AT A CHARGE OF \$80.00
PER TON (OR .04 CENTS PER POUND):
(Price per ton subject to change per fiscal year budget)

- yard trimmings, concrete, brick, cured asphalt
- furniture, mattresses, old household items
- construction/remodeling debris
- textiles or other dry waste

TIRES WILL BE ACCEPTED AND CHARGED ACCORDING TO THE SIZE
OF THE TIRE. THE FOLLOWING PRICES APPLY:

<u>Size of tire</u>	<u>off rim</u>	<u>on rim</u>
Passenger car tires	\$ 2.00	\$ 5.00
Semi truck/trailer tires	\$ 6.00	\$ 20.00
Farm tractor	\$ 15.00	\$ 35.00

(Off-the-road tires are charged at \$.15 per pound and must be off the rim or they will not be accepted)

THE FOLLOWING RECYCLABLES ARE ACCEPTED AT NO CHARGE:

- metal (including washers, dryers, grills, bicycles, aluminum, steel, etc.)
METAL MUST BE CLEAN OF DEBRIS SUCH AS WOOD OR CONCRETE!! Metal with debris will be charged .04 cent/lb.
- paper, phone books, magazines, cardboard, newspaper

****WE CANNOT ACCEPT ANY HOUSEHOLD GARBAGE (KITCHEN OR BATHROOM WASTE) OR ITEMS THAT CONTAIN OR PRODUCE ANY LIQUID WASTE. PLEASE SECURELY BAG YOUR HOUSEHOLD TRASH AND PLACE IN YOUR 90 GALLON CARTS TO DISPOSE OF THESE ITEMS AT THE CURBSIDE BY 7:00 a.m. ON YOUR COLLECTION.**

Please Call the Site at # 754-4668, option 6 for more information.

Thank you

DISPOSAL ELEMENT

INVENTORY AND ASSESSMENT OF EXISTING PROGRAMS

Effingham County, the City of Guyton, the City of Rincon and the City of Springfield proposed a multi-jurisdictional bid package that resulted in the local government's ability to be more competitive and receive a less expensive rate, but have an individual contract that was managed locally within the jurisdiction. This contract allows each jurisdiction the ability to subscribe to the service options that they needed. This has proved to be very successful and has lasted since the initial contract negotiations in 1998. The contract initially started with Sullivan Environmental Services, Inc. SES, Inc. was bought out by Republic Services, Inc. Republic Services, Effingham County and the Cities of Guyton, Rincon and Springfield renegotiated the contract in 2003 for another ten years. Republic Services, Inc. is handling the collection and disposal of municipal solid waste.

Republic Services, Inc. collects all residential municipal solid waste from Effingham County and the Cities of Guyton, Rincon and Springfield and hauls it to Savannah Regional Transfer Station, where the waste is loaded onto semi-trucks and hauled to an EPD permitted landfill, Broadhurst Environmental in Jesup, Georgia, for disposal. Currently, there is approximately 18,594 tons of residential (and some business if they subscribe for a 90 gallon cart service level) waste collected and disposed of by Republic Services per year. This site is also owned by Republic Waste. Effingham County, The City of Guyton, The City of Rincon and The City of Springfield plan to continue using this facility as long as it is permitted and economically feasible. Letters assuring disposal capacity are attached.

The Effingham County Sanitary Landfill closed on March 21, 1998. The MSW landfill is currently in the groundwater and methane monitoring stages. Due to some groundwater contamination, assessment two monitoring has taken place as well as some methane remediation. The site is monitored closely by county staff, engineers and EPD.

There are no active landfills in Effingham County. All waste from Effingham County residential and business properties leave the county and either go to the Savannah Regional Transfer Station and then to Broadhurst Environmental, Savannah Regional Industrial Landfill or Superior Landfill in Bloomingdale, all EPD permitted facilities.

One inert landfill operates in Effingham County. It is owned by L&J Enterprises in Springfield, GA and is a private inert landfill. Effingham County has a permit by rule for an inert landfill, but has never buried anything on the site and has since decided not to. The county intends to have the permit by rule amended to not show an inert landfill on this property.

There are no thermal treatment facilities in Effingham County.

Effingham County's staffed Dry Waste and Recycling Collection Site disposes or recycles the following items:

- metal, white goods, aluminum, copper, steel - metal items are put into large roll offs and carried to a recycling plant such as Savannah Recycling.
- paper, newsprint, cardboard, books and magazines - paper products are carried to Georgia Pacific or SP Newsprint
- Automobile batteries – Interstate Battery Co.
- cellular telephones and recyclable batteries – various vendors
- toner and inkjet cartridges - various vendors
- Yard trimmings – if waste is a quality product, bid out contract for grinding (Kelly Services, Evergreen Wood Recycling, Williams Bro) if waste is not quality – use inert landfill (L&J, Hollow Oak Landfill)
- cured asphalt, brick, concrete – grind if possible (Able, Hertz)
- Tires - Ridge Recyclers
- Dry waste, such as construction and demolition debris, furniture, carpet, textiles, plastics, and anything else that is dry trash and not on our accepted recycled items list - put into roll off containers to be carried to Savannah Regional Industrial Landfill or Savannah Regional Transfer Station and then to Broadhurst Environmental in Jesup, GA, all of which are EPD permitted facilities.

Last year, the site recycled 3,319 car/light truck, 300 semi-truck, 25 farm and 25 off the road tires, recycled 365 tons of metal and aluminum, and recycled 211 batteries, most of which were illegally dumped, and also cleaned up 7 ½ tons of illegal dumpsites.

The Cities of Guyton, Rincon and Springfield have a yard waste collection program. Rincon owns a chipper and will chip yard trimmings and give them back to the residents of Rincon. Springfield also has a chipper and will chip large quantities curbside on an "on-call" basis. Springfield and Guyton have a twice monthly yard waste collection contracts with Republic Services of Savannah.

The Cities of Guyton, Rincon and Springfield all have unstaffed recycling drop off centers that are not managed by the cities. Guyton also has a drop off site for paper, and cardboard. The paper from this site is carried to Georgia Pacific. The City of Rincon residents utilize a drop off site for paper, newsprint and cardboard. The paper from this site is carried to Georgia Pacific. The City of Rincon offers its residents a "call to schedule" program for yard trimmings and white goods. The city processes the wood waste with their chipper for reuse and they recycle the metal. The Cities of Guyton, Rincon and Springfield recycle paper and aluminum cans within their government offices. These items are collected by staff or by a development center for children. Local churches and schools have a drop off site for newsprint that is available for residential and business use. The paper from this site is carried to SP Recycling.

Should the current collection practices for municipal solid waste be interrupted for any reason or if future conditions warrant a change in the use of the collection vendors

currently used by the Effingham County jurisdictions, this plan will be amended accordingly. Potential use of the publicly owned transfer station in Screven County and Bulloch County, the use of Savannah Energy Systems Waste to Energy facility or some other alternative are considered possible contingency options for disposal. Waste Management Corporation also has Superior Landfill and the Low Country facility. These facilities can be reached within a reasonable travel distance. Several waste companies offer green box dumpster services in this service area. The county and cities both have property, including the Dry Waste Collection and Recycle Site, which is centrally located in the County that could be used for green box sites in emergencies.

DISPOSAL NEEDS AND GOALS

1. The county and cities primary goal is to make sure that private contractors can provide an adequate disposal capacity to meet the needs of residents and local businesses.
2. Revamp the current yard trimmings management program by not just collecting the waste, but finding new innovative ways to promote home composting or dispose of the waste.
3. Continue post closure care at the old landfill. Make sure this site remains in compliance.
4. Work with private waste haulers and local businesses to collect better data concerning waste and recycling tonnages.
5. Keep an emergency operations plan current and in place in the event of a disaster. Establish contracts for waste collection and disposal. Coordinate with the Emergency Management Agency.
6. Continue working with code enforcement to ensure proper disposal of waste.
7. Implement a program to address the abandoned mobile home issue that is becoming more prevalent in Effingham County



Republic Waste Services of Savannah

P. O. Box 4144
Port Wentworth, GA 31407
(912) 964-2211
(912) 964-4677 Fax

Effingham County
601 North Laurel Street
Springfield, Georgia 31329

Dear Mrs. Burns-Walden

This letter serves as a disposal capacity assurance for waste generated by Effingham County. Waste is hauled by Republic Waste Services of Savannah to the following facility (ies): Broadhurst Landfill and the Georgia EPD permit number for this facility is 151-014D(SL). This facility has a remaining capacity of 11 years. This assurance is based upon Effingham County disposing of approximately 24,240 cubic yards of waste or approximately 14,544 tons of waste on an annual basis.

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

Sincerely,

Louis Diaz
General Manager
Republic Waste Services of Savannah



Broadhurst

Environmental

P.O. Box 278
Screven, GA 31560
Phone: (912) 530-7050
Fax: (912) 530-7070

June 18, 2007

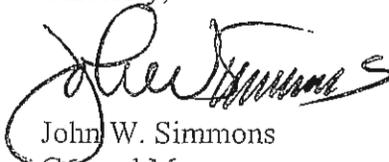
Effingham County
601 North Laurel Street
Springfield, GA 31329

Dear Mrs. Burns-Walden,

This letter serves as a disposal capacity assurance for waste generated by Effingham County from 2007 to 2017. The Georgia EPD permit number for this facility is 151-014D(SL). This assurance is based upon Effingham County disposing of approximately 24,240 cubic yards of waste or approximately 14,544 tons of waste on an annual basis.

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

Sincerely,



John W. Simmons
General Manager

LAND LIMITATION ELEMENT

INVENTORY AND ASSESSMENT OF EXISTING PROGRAMS

The land use in Effingham County and the Cities of Guyton, Rincon and Springfield is rapidly changing due to its experiencing rapid growth. Per the County Comprehensive Growth Management Plan, most of the land in Effingham County is comprised of flat land and is primarily rural, with the dominant land use being agricultural (65% of total land), and conservation/recreation areas being the second largest land use (at 15%). Agricultural land uses, such as farming and livestock, have provided the traditional way of life in the County, although rapid growth in residential development in recent years has contributed to a shift in the character of the community. Industrial and commercial land uses account for 3% of the total area. Proximity to the Ports of Savannah and Interstates 16 and 95 will prompt further industrial growth; as new industries locate in the County and new services and other businesses open to cater to the growing population, these industrial/commercial land uses will greatly expand. Five percent of the land is classified as undeveloped, and much of this property is adjacent to existing residential developments suggesting that currently undeveloped land will become later phases of a subdivision. Other undeveloped land is adjacent to existing commercial or industrial land uses and provide opportunities for infill in the future. The Cities of Guyton, Rincon and Springfield are all comprised of mostly residential land uses, followed by commercial areas. Commercial activity surrounds Rincon, as most commercial development has been in this area with its close proximity to Savannah, Georgia Pacific and both of the industrial parks.

Effingham County is roughly rectangular in shape with the longer axis running north-northwest to south-southeast. The total land area of the County is 482 square miles. In general terms the population is distributed over this area in somewhat of a density gradient. Toward the southern boundary of the County the demography appears almost suburban and it thins out to become sparsely rural in the northern regions. Major traffic flows in Effingham County follow state highways into and out of Chatham County. This is expected because of the nature of the community as a bedroom community for the industrial, ports and commercial activities of Savannah. Traffic flows are heaviest in a southerly direction in the early mornings on highways GA 21, GA 17, GA 30, and U. S. 80. The flow reverses in the evenings. County roads that support this flow as arterial connectors are Rincon-Stillwell, Fort Howard Rd., Courthouse Rd., Goshen Rd., Blue Jay Rd., McCall Rd., Midland Rd., and Sandhill Rd. The flows along this primary pattern are heaviest week days and moderately heavy on weekends as residents drive into Savannah for shopping and recreational activities.

Effingham County and the Cities of Guyton, Rincon and Springfield all have zoning requirements in place within their jurisdictions. Effingham County, the City of Guyton and the City of Rincon have planning boards which hear each case for rezoning before it goes to the city councils or board of commissioners. These boards make recommendations concerning the suitability of the zoning requests to the councils or commission. Effingham County and the Cities of Guyton, Rincon and Springfield are

currently developing the updated County Comprehensive Management Plan. Within the county comprehensive plan, will be more updated and detailed land use and future land use maps concerning projected plans and developments for the county and the cities. The solid waste plan may be amended to include some of the updated land use information should it be needed to better identify locations for potential solid waste disposal facilities.

There are many natural environmental limitations that effect solid waste disposal facilities. They are as follows:

DNR Rule 391-3-16-.01(7)(c)1 requires that at any location within a small water supply watershed, new solid waste landfills must have synthetic liners and leachate collection systems. Effingham County is bordered by two watersheds; on the north by the Savannah and on the south by the Ogeechee.

DNR Rule 391-3-16-.02(3)(a) requires that in significant groundwater recharge areas, DNR shall not issue permits for new solid waste landfills not having synthetic liners and leachate collection systems. DNR Rule 391-3-16-.03(3)(e) establishes that solid waste landfills may constitute an unacceptable use of a wetland. Effingham County has groundwater recharge areas and wetlands within its jurisdictional boundaries. The County has adopted, implemented and is enforcing the appropriate regulations consistent with the DNR's Rules for Environmental Planning. The City of Guyton has wetlands and floodplains, but no groundwater recharge areas or water supply watersheds within its boundaries. The City of Rincon has a water supply watershed, groundwater recharge areas and wetlands within its jurisdictional boundaries. The City of Rincon has implemented environmental regulations for the protection of wetlands, groundwater recharge areas or water supply watersheds consistent with DNR's Rules for Environmental Planning. The City of Springfield has groundwater recharge areas and wetlands within its jurisdictional boundaries. The City has adopted, implemented and is enforcing the appropriate regulations consistent with the DNR's Rules for Environmental Planning.

DNR Rule 391-3-16-.04(4)(h) prohibits the development of new solid waste landfills within protected river corridors. Effingham County is bordered by two rivers, the Savannah and the Ogeechee. Both of these rivers are vital to Effingham County as they provide sites for recreation, wildlife habitats, floodwater drainage and a source for water. Effingham County also has the historic Ebenezer Creek, designated a national scenic waterway.

DNR Rule 391-3-16-.05(4)(l) prohibits the development of new solid waste landfills in areas designated as protected mountains. There are no mountains in Effingham County.

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

DNR Rule 391-3-4-.05(1)(a) requires that the site must conform to all local zoning/land use ordinances, and that written verification of such be submitted to EPD. Effingham County follows state guidelines for solid waste facilities. Effingham County needs to update the zoning ordinance regarding solid waste facilities.

Currently, Effingham County has one excerpt concerning landfills in the zoning ordinance. It is as follows:

3.17 Land and water fills, dredging, excavations, and mining.

Where such activity involves in excess of one-half acre in surface area, or where such activity involves the removal of earth from the site to another parcel of property, no person shall engage in the filling of land or water areas, dredging, the excavation of land, or removal of earth, and no mining operation shall be undertaken, without first obtaining a soil erosion and surface water impact letter from the United States Department of Agriculture Natural Resources Conservation Service for the Ogeechee Soil and Water Conservation District, and obtaining a surface mining permit from the planning board. Before granting such permit, the planning board shall consider the recommendations, if any, of the zoning administrator and the public works director or their designees. The planning board shall grant, deny, or grant such permit subject to such conditions as the board may deem appropriate to protect and promote the public interest and the purposes of this zoning ordinance.

The Effingham County zoning ordinance requires junkyards be zoned B-3 and reads as follows:

5.10 B-3 Highway commercial districts.

5.10.1 Permitted uses.

All uses permitted in B-1 and B-2.

Automotive sales, service, and storage.

Drive-in theaters.

Wholesale operations.

Warehouse operations.

Lumberyards.

Motor freight terminals.

Amusement parks or privately owned recreation facilities.

Bulk fuel storage.

Hospitals.

Exposed/outdoor storage.

County jails.

County correctional institutions.

County detention facilities.

Nursing homes.

5.10.2 Conditional uses. The following uses may be permitted in accordance with the provisions of section 7.1.6 in the highway commercial (B-3) district on a conditional basis upon approval of the county commission after review by the planning board.

Multifamily housing units.

Automotive paint and body shops.

Junkyards (if properly screened (section 3.4) and meeting the requirements of section 3.16.)

5.10.3 Prohibited uses.

Mobile homes.

Mobile offices.

Single-family detached dwellings.

5.10.4 Lot and building requirements. Same as B-1 except no limit to building height. (Amend. of 4-4-00(21); Amend. of 4-16-02)

The Effingham County zoning ordinance requires recycling centers to be zoned *Industrial* and reads as follows:

5.11 I-1 Industrial districts.

5.11.1 Permitted uses.

The following uses shall be permitted in the I-1 districts, provided that such uses meet all the requirements of this section and all other provisions established in this Code.

1. Assembly or fabrication of previously manufactured parts, including but not limited to the following:

- a. Apparel and other textile products;*
- b. Electronic and other electric equipment, electrical generator and distribution equipment;*
- c. Fabric samples;*
- d. Furniture and fixtures;*
- e. Industrial machinery and equipment;*
- f. Instruments and related products;*
- g. Lumber and wood products, excluding the processing of material for the production of paper and allied products;*
- h. Metal products;*
- i. Plastic and rubber products;*
- j. Transportation equipment.*

2. Boat sales and repairs.

3. Automotive sales and repairs.

4. Automotive storage, excluding junk yards.

5. Florist--retail and wholesale.

6. Laboratories.

7. Manufacturing (light) of, including but not limited to the following:

- a. Bakery products;*
- b. Beverages, including alcoholic beverages;*
- c. Communication equipment;*
- d. Computer and office equipment;*
- e. Electrical lighting and wiring equipment;*
- f. Electronic equipment;*
- g. Fabricated metals, excluding use of blast furnaces and drop forges;*
- h. Grain mill products;*
- i. Audio and visual equipment;*
- j. Appliances;*
- k. Ice;*
- l. Meat products, excluding slaughtering, dressing, and rendering;*

- m. *Medical instruments and supplies;*
- n. *Pharmaceutical products.*
- 8. *Offices.*
- 9. *Printing and publishing.*
- 10. *Recycling centers.*
- 11. *Repair of any goods, equipment, and vehicles of which the manufacture, assembly or sales are permitted in this district.*
- 12. *Research facilities.*
- 13. *Vocational schools.*
- 14. *Utility operations centers.*
- 15. *Warehousing less than 300,000 square feet.*
- 16. *Ready-mix concrete facilities.*

5.11.2 All proposed uses not listed within section 5.11.1 are subject to review and approval by the planning board and board of commissioners in accordance with the following procedures:

5.11.2.1 Submission of plans. The owner of a tract of land zoned for industrial use shall submit to the planning board for its review a plan for the use and development of such tract of land. It shall then be the duty of the planning board to investigate and ascertain whether the proposed activity complies with all the provisions of this chapter which pertain to I-1 districts. The planning board may determine that a proposed activity is similar to those uses listed within section 5.11.1 or that the use is not similar. If the proposed activity is considered to be a similar use, said activity may be permitted by right. If the proposed activity is not similar to those uses listed within section 5.11.1, the use shall be subject to the approval of the county commission after review and recommendation by the planning board, subject to such conditions deemed necessary and appropriate by the board to protect the public health, safety, and welfare of the citizens of Effingham County and to promote the purposes of this chapter. The planning board and board of commissioners may employ experts in specific fields as needed, and as funds are available, to determine whether a proposed use meets the required performance standards.

5.11.2.2 Submission requirements. Design and operation plans shall be submitted to the zoning administrator and consist of at least the following:

- 1. Name, address, and telephone number of petitioner, architect, surveyor, engineer or designer.*
- 2. Names and addresses of all property owners of the site.*
- 3. Names and addresses of all owners of land adjacent to the site*
- 4. Zoning district classification of adjoining land.*
- 5. Site plan to include the following:*
 - a. Location and dimensions of existing and/or proposed structures with the type of usage designated.*
 - b. Proposed and existing access and egress.*
 - c. Proposed and existing right-of-ways.*
 - d. Proposed and existing easements.*
 - e. Proposed and existing water, sewer, and storm-water facilities.*
 - f. Proposed and existing buffers.*
 - g. Setbacks.*
 - h. Streams, lakes, and jurisdictional wetland areas.*

- i. Proposed waste treatment/handling facilities.
- j. Proposed parking.
- k. Proposed outdoor lighting and signage.
- l. Proposed hours of operation.
- m. Traffic study.
- n. Noise and vibration study.

6. Written report outlining the industrial operation, schedule of development, and listing the toxic and/or hazardous materials regulated by local, state, or federal regulations, including disposal/handling plans of said materials.

5.11.3 Referral and authorization. A written report of its findings shall be furnished by the planning board to the county commissioners. The planning board may suggest disapproval, recommend the plan as submitted, or may modify, alter, adjust, or amend the plan before recommendation, and in recommending it, may propose the prescribing of other conditions. The report of the planning board to the county commission shall include a finding as to whether the proposed use is consistent with the provisions and requirements of the zoning ordinance. If the county commissioners find that the proposed use is consistent with the purpose of the zoning ordinance to promote the public health, safety, and general welfare, it may direct the proper official to authorize a permit.

5.11.4 Performance standards. All industrial uses must conform to the following performance standards:

5.11.4.1 [Smoke.] The emission of grey smoke at a density greater than No. 1 on the Ringlemann Chart published by the U.S. Bureau of Mines (Power's micro-Ringlemann Chart, McGraw-Hill Publishing Company, 1954, may be used) shall not be permitted, except grey smoke of a shade darker than No. 2 may be emitted for not more than four minutes in any 30 minutes. These provisions, applicable to grey smoke, shall also apply to visible smoke of a different color but with equivalent apparent capacity.

5.11.4.2 Odor. No emission of unpleasant gases or other odorous matter shall be permitted in such quantities as to be offensive outside the lot lines of the tract. Any process which may involve the creation or emission of any odors shall be provided with a secondary safeguard system, so that control will be maintained if the primary safeguard system should fail. There is hereby established as a guide in determining such quantities of offensive odors Table 3 (Odor Thresholds) in Chapter 5, Air Pollution Abatement Manual, copyright 1951, by Manufacturing Chemists Association, Inc., Washington, D.C. Where said publication gives range of figures a simple average of these shall be used.

5.11.4.3 Toxic gases. The emission of gases or fumes injurious to persons or property beyond the lot lines occupied by the use is prohibited.

5.11.4.4 Glare and heat. Glare and heat from arc welding, acetylene torch cutting, or similar processes shall be performed so as not to produce glare which is visible, or objectionable heat beyond the property line of the lot on which the operation is located. Direct glare from incandescent exposed lights shall not be visible from adjoining streets or properties.

5.11.4.5 Sewage. No discharge is permitted at any point in any private sewage disposal system or stream or into the ground of any materials in such a way or of such nature or temperature as could contaminate any water supply, or otherwise cause the emission of dangerous objectionable elements, except in accordance

with the standards as approved by water pollution control boards of appropriate agencies of the state department of natural resources.

Furthermore, no accumulation of solid wastes conducive to the breeding of rodents or insects shall be permitted.

5.11.4.6 Storage of toxic or hazardous wastes, chemicals, and materials. Any applicant who intends to store, handle, dispose, or transport toxic or hazardous waste, chemicals, or materials shall submit to the county fire marshal a listing of all compounds and contents to be contained on the proposed site. Upon approval by the county fire marshal, the applicant shall be issued a permit authorizing such secured storage.

5.11.4.7 Vibration. Any use creating intense earthshaking vibration shall be set back as far as possible from the lot lines on all sides, and in no case shall any such vibration be perceptible along any lot line.

5.11.4.8 Buffer/screening. A visual screen or buffer consisting of an evergreen hedge, solid fence, or green space may be required by the county commission upon recommendation of the planning board. This may be a condition for approval of the proposed use where such use would be incompatible with adjacent uses.

5.11.5 Uses prohibited.

- 1. Residential subdivisions*
- 2. Single-family residences*
- 3. Cemeteries*
- 4. Churches*
- 5. Single-family dwellings*
- 6. Multifamily dwellings*
- 7. Childcare centers*

5.11.6 Reserved.

(Amend. of 4-4-00(21); Amend. of 4-16-02; Amend. of 1-4-05, §§ 1--5)

DNR Rule 391-3-4-.05(1)(c) requires that new solid waste landfill units or lateral expansions of existing units shall not be within 10,000 feet of any public use or private use airport runway end used by turbojet aircraft or within 5,000 feet of any public use or private use airport runway end used by only piston type aircraft. Effingham County does not have a public airport. There are several private airport runways for small private planes. These are mainly aircraft used for hobbies or agricultural uses.

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

DNR Rule 391-3-4-.05(1)(e) prohibits the development of solid waste landfills in wetlands, as defined by the U. S. Army Corps of Engineers, unless evidence is provided by the applicant to EPD that use of such wetlands has been permitted or otherwise authorized under all other applicable state and federal laws and rules. Per the county comprehensive plan, thirty-eight percent of total land area, or 117,020 acres, in the County consists of wetlands. Developable land should be limited to uplands, with

restrictions placed on developments adjacent to wetlands, so that the amount of wetland in the County remains constant. Wetland maps are attached.

DNR Rule 391-3-4-.05(1)(f) requires that new landfill units and lateral expansions of existing landfills shall not be located within 200 feet of a fault that has had displacement in the Holocene Epoch unless the owner or operator demonstrates to EPD that an alternative setback distance of less than 200 feet will prevent damage to the structural integrity of the landfill unit and will be protective of human health and the environment. There are no known faults located in Effingham County.

DNR Rule 391-3-4-.05(1)(g) prohibits the development of new landfill units and lateral expansions in seismic impact zones unless the owner or operator demonstrates to EPD that all containment structures, including liners, leachate collection systems, and surface water control systems are designed to resist the maximum horizontal acceleration in lithified earth material for the site. There are no known seismic impact zones located in Effingham County.

DNR Rule 391-3-4-.05(1)(h) requires owners or operators of new landfill units, existing landfill units, and lateral expansions located in unstable areas to demonstrate that engineering measures have been incorporated in the landfill unit's design to ensure that the integrity of the structural components of the landfill unit will not be disrupted. There are no known unstable areas in Effingham County.

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

The goal of Effingham County and the Cities of Guyton, Rincon and Springfield is to insure that solid waste facilities are located in suitable areas of the County. Environmental and land use factors prevent some, but not all, solid waste facilities from being sited. Local issues that may affect a proposed solid waste facility include the proximity to historic sites and the effect on the existing communities surrounding the site, including, but not limited to, traffic, nuisance, health, safety and compatibility within the proposed area. These items will be considered when updating the zoning ordinance.

DNR Rule 391-3-4-.05(1)(b) requires that whenever any applicant begins a process to select a site for a solid waste disposal facility, documentation demonstrating compliance with O.C.G.A. § 12-8-26(a) be submitted to EPD; further, whenever any applicant takes action resulting in a siting decision for a publicly or privately owned solid waste disposal facility, documentation demonstrating compliance with O.C.G.A. § 12-8-26(b) be submitted to EPD. Once a site has been selected, the applicant must conduct a Hydrological Assessment in accordance with the provisions of DNR Rule 391-3-4-23.05(1)(k). Preparation of the land limitation element of a solid waste management plan should comply with the Solid Waste Management Act and the Rules of the

Department of Natural Resources (DNR) for Solid Waste Management (Chapter 391-3-4) relating to historic sites, airports, jurisdictional boundaries, access, etc. These documents should be consulted for specifics on land limitations and siting of solid waste management facilities. If an applicant undertakes the Facilities Issues Negotiation Process pursuant to a facility siting decision, the process will be undertaken in accordance with O.C.G.A. § 12-8-32 and any guidelines issued by the Department pursuant to State law.

LAND LIMITATION NEEDS AND GOALS

1. Effingham County and the Cities of Guyton, Rincon and Springfield need to update their zoning ordinances to more specifically address solid waste facility siting requirements. Effingham County and the Cities of Guyton, Rincon and Springfield need to have a consistent, clearly written zoning requirement for siting solid waste facilities. Potential facilities should not only pass the zoning requirements by being rezoned, but should also be consistent with the Solid Waste Plan by evidence of a written letter from the local jurisdiction as well as meeting all the state and local requirements. This will prevent solid waste disposal facilities from being located in areas not suitable for such uses, as well as in locations that are identified as having land use or environmental limitations.
2. Effingham County and the Cities of Guyton, Rincon and Springfield need to continually monitor land use patterns and update the plan more often if needed. Using the GIS in this effort will be more accurate and efficient.

PLAN CONSISTENCY

In order for EPD to issue or renew a permit for a solid waste handling facility, the facility or facility expansion must be consistent with the local government's solid waste management plan. The plan shall specify a procedure the local government(s) will follow to determine if a proposed facility, public or private, is consistent with the plan.

At a minimum, the procedure shall address:

- how the public will be involved and notified;
- the anticipated impact the proposed facility will have upon current solid waste management facilities;
- the anticipated impact the proposed facility will have upon adequate collection and disposal capability within the planning area;
- and the effect the facility will have upon waste generated within the state achieving the States 25% per capita waste disposal reduction goal.

Currently, the zoning ordinance requires a rezoning application to be submitted for review by the County or City in which the zoning is requested. Staff reviews the application and makes recommendations to the Planning Board. Property owners surrounding the property requesting the zoning change are notified by mail, advertisements in the local paper and signage on the property. The Planning Board meets and holds a public hearing. The Planning Board makes a recommendation to the Board of Commissioners. The Board of Commissioners hold a second public hearing. No official action shall be taken on any proposed zoning amendment unless at least two public hearings have been held. Updates to the zoning ordinances to back the solid waste plan provisions are being investigated and will be completed to correspond and be consistent with the solid waste plan.

With the forthcoming updates to the zoning ordinances and by the adoption of this Comprehensive Solid Waste Management Plan, Effingham County and the Cities of Guyton, Rincon and Springfield will manage the potential siting of solid waste facilities in their jurisdictions. In addition to the above zoning procedures and the Department of Natural Resources Rules, the applicant must submit a written statement of consistency to the local governing authority at least 60 days before applying for a solid waste handling permit or permit by rule documenting:

- 1) how the applicant plans to help the local jurisdiction education the public concerning the proposed facility;
- 2) the anticipated impact the proposed facility will have on the current collection, disposal, recycling and waste reduction capability and management facilities in the area;
- 3) the anticipated impact the proposed facility will have on the environment, the communities quality of life, traffic, safety, public and private finances and infrastructure;
- 4) the effect the proposed facility will have on helping the local jurisdictions reach the States 25% per capita waste disposal reduction goal; and
- 5) how the applicant will satisfy the local and state requirements and financial assurance mechanisms.

Upon receiving the request to site or expand a solid waste handling facility, the local governing authority shall review the written statement of consistency and shall determine if the proposed facility or facility expansion is consistent with the Solid Waste Management Plan, the county or city zoning regulations and/or the Comprehensive Growth Management Plan. Effingham County is in the process of currently updating the zoning regulations and/or the County Comprehensive Growth Management Plan. These documents will be updated to show consistency with the Solid Waste Management Plan. Solid waste facilities will not be sited within any jurisdiction in Effingham County without the local government's assurance that the proposed facility meets the Comprehensive Solid Waste Management Plan and/or the Comprehensive Growth Management Plan and local Zoning Regulations.

At which time all requirements are met and the determination is made for the proposed solid waste facility's consistency with the plans and regulations, the Board of Commissioners or the City of Guyton, Rincon or Springfield, will notify in writing the developer and/or owner of the proposed solid waste facility whether or not the proposed facility or 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. Upon the developer and/or owner receiving notification from the local governing authority that the proposed solid waste facility or expansion is consistent with the Plan, the developer and/or owner may proceed with their application for a solid waste permit or permit by rule.

EDUCATION AND PUBLIC INVOLVEMENT ELEMENT

INVENTORY AND ASSESSMENT OF EXISTING PROGRAMS

The success of implementing an integrated solid waste management plan and specific programs aimed at reducing and recycling solid waste is largely dependent upon public involvement and support. To ensure that the groundwork is laid and maintained for participation in the programs, an education and public information campaign was developed by Effingham County and the Cities of Guyton, Rincon and Springfield to help the public understand the importance of the solid waste issues facing the cities and county, what individuals, businesses, and institutions can do, how to do it, and why it needs to be done. Only by successfully carrying out an informative educational and promotional plan will the cities of Guyton, Rincon and Springfield and the unincorporated areas of Effingham County have the best chance of achieving the 25 percent waste reduction goal set by the state of Georgia.

Effingham County has not had a formal Solid Waste Education Program in place until 1998. Effingham County hired a Solid Waste Coordinator. A major part of the Solid Waste Coordinator's duties is public education. The Solid Waste Coordinator, along with a group of concerned citizens and representatives from Effingham County and the Cities of Guyton, Rincon and Springfield, helped form Keep Effingham Beautiful. Keep Effingham Beautiful is a Keep America Beautiful and a Keep Georgia Beautiful affiliate. The SWC is very actively involved in running the organization. Although Keep Effingham Beautiful is a non-profit agency and accepts donations to support its programs, its main means of support is the Effingham County Board of Commissioners. The Board of Commissioners provides office space for Keep Effingham Beautiful activities in the Effingham County Sanitation Department. Keep Effingham Beautiful maintains an environmental library for teachers and students to check out books and media on all types of environmental issues. The library also has a large selection of demonstration items made from recyclable material.

Keep Effingham Beautiful strives to implement effective approaches and methods for informing and educating the general public, area businesses, industries and institutions, and school age children on solid waste management issues and best solid waste management practices, including recycling, reuse and source reduction. Keep Effingham Beautiful solicits participation in programs developed for solid waste management and strives to motivate the public to act on the information they receive thereby changing their purchasing, waste generation, and disposal habits. Keep Effingham Beautiful has been a positive role model and leader in taking a stand on environmental issues such as littering and recycling.

The objectives of Keep Effingham Beautiful include increasing awareness about purchasing environmentally friendly products, promoting procurement practices to favor products made with recycled content, encouraging manufactures to produce products with minimum packaging and increased durability and recyclability, and promoting changes in the waste generation and disposal practices. Manufacturing business sectors are very important because they are both consumers and producers. Therefore,

education efforts must be aimed at modifying behavior in both of these areas. Commercial waste accounts for a significant portion of the County's waste stream, and commercial generators are educated about planned recycling opportunities and the possible benefits of recycling. Technical assistance and outreach is provided to businesses by KEB on how to recover corrugated cardboard, office paper, beverage containers, yard wastes, and construction and demolition wastes. This technical assistance can be in the form of a series of workshops for commercial sector generators, which could include presentations by staff or by representatives of local or regional markets or vendors of processing equipment who would be likely to purchase recovered materials. These workshops establish a point of contact for recycling questions and encourage businesses to work with the cities and county to reach their recycling goals. Keep Effingham Beautiful strives to closely coordinate education with the implementation of waste management programs in the cities and county.

Effingham County's Environmental Education Program understands that the County schools are an extremely important source for educating the public about solid waste issues and programs. Children are the future and they are very receptive to environmental issues. They exert a great deal of influence over their parents and grandparents and can encourage them to participate in source reduction, recycling, and composting programs. Programs on recycling and littering are held throughout the year at all the local schools.

During the 2006-07 year, Environmental educators with KEB and Effingham County Sanitation Department personally spoke to over 27,000 persons in the county about environmental issues such as littering and recycling. The programs were on Recycling, Earth Day, America Recycles Day, Let's Keep Georgia Peachy Clean/litter, the Great American Clean Up, Waste Tire Round Up, Litter...it cost you, Rivers Alive and Christmas Tree Recycling. The "Waste in Place" and "Waste-A Hidden Resource" manuals from the Department of Community Affairs were used for many of these programs. The school system and Effingham County will continue to participate in the Georgia Pacific Corporation mixed paper recycling project and will look for other opportunities to give students "hands on" experience in solid waste management projects. We are very proud of the success of that project and are searching for ways of expanding.

Excellent media relations have been developed with all the newspapers (Effingham Herald/ Effingham Now/Spirit of the Westside) that serve Effingham County. Solid waste issues frequently make the front page. Local coverage of waste management alternatives being considered, solid waste management decisions made by local governments, information about specific source reduction, recycling and composting programs will continue to be submitted and publicized. Radio and television stations broadcast community information about our programs. We use this service to announce special programs and trash pick-up schedule changes. Flyers have also been and will continue to be passed out door-to-door if and when the need arises.

Litter enforcement is a major concern in Effingham County and its Municipalities. As population soars, so does litter. Effingham County implemented an anti-littering campaign and has a yearly Litter Awareness Month. The Environmental Code

Enforcement Officer enforces the "Solid Waste and Litter Control Ordinance." Litter prevention signs are posted throughout the county. The Effingham County Solid Waste Coordinator served on the Litter Abatement and Prevention Team that helped develop the new Litter Initiative for Governor Perdue. The "Litter...It Costs You!" campaign is promoted throughout Effingham County and has helped us fight the war on litter.

EDUCATION AND PUBLIC INVOLVEMENT NEEDS AND GOALS

1. All of Effingham County governments need to support the educational programs that address environmental issues in the county.
2. Revamp the current yard trimmings management program by not just collecting the waste, but finding new innovative ways to promote home composting or disposal of the waste. Educating citizens about yard waste programs and backyard composting will be critical.
3. Develop educational strategies for the residential sector that increase citizen awareness and motivate behavioral changes to minimize waste generation and maximize recycling efforts. Educational efforts will be directed towards reducing reliance of residential consumers on disposable products, raising public awareness of excess packaging and reuse and recyclability of packaging, and promoting general waste consciousness. Promote source reduction by bulk purchasing, stopping unwanted junk mail, excess packaging on shipped items, Christmas wrap and no disposable items
4. Target education at consumers, businesses, and institutional establishments. The commercial, industrial, and institutional sectors will be encouraged to examine their internal operations for ways to reduce their waste. For private business, source reduction as a function of the bottom line will be stressed. The more a business pays for disposal, the less it makes in profits. By streamlining operations to reduce waste by-products, businesses will be helping themselves as well as the community.
5. Quality of life issues are extremely important to the residents of Effingham County and the Cities of Guyton, Rincon and Springfield. For this reason, public perceptions and the adopted ordinances are large factors in residential and commercial growth. Code Enforcement will address these issues.
6. Increase education by holding contest and having programs - Contests and Promotions – mascot, litter signs, most recycled, beautification projects, exhibits at fairs and festivals
7. Increase reuse of waste instead of discarding it. Work with reuse stores to promote reuse and have programs where you make crafts out of "junk" One man's junk is another man's treasure

8. Consider the development of a solid waste task force or advisory committee to brainstorm about solid waste issues and come up with real solutions and innovative ideas. This would be a task force in addition to the solid waste planning committee that is working on the current Solid Waste Management Plan. Many of the representatives on the Solid Waste Plan committee will also be on this task force to continue reaching the goals as set forth in the Plan. This task force would replace any committees formed in the past that addressed solid waste issues as to hopefully bring new, innovative ideas for waste reduction and recycling as well as other aspects of proper solid waste management.
9. Coordinate with Real Estate Agencies to make a flyer concerning "Most Frequently Asked Questions concerning Solid Waste Issues" in Effingham County and its municipalities.
10. Solicit more volunteer participation from residential and business sector for environmental programs
11. Increase public awareness by media and website participation
12. Develop better educational materials by utilizing the GIS Department equipment and mapping services
13. Expand the entire environmental education program by building an environmental education center.
14. Educate the public about the potential hazards that can occur to health and safety and our environment should a natural or man-made disaster occur. Take steps to help the public plan response and clean up procedures. Involve the Emergency Management Office and share ideas and tools with one another.

EFFINGHAM COUNTY CODE
Chapter 66 SOLID WASTE*

***Editor's note:** Amendment of May 7, 2002, repealed in their entirety §§ 66-31--66-37, and enacted new §§ 66-31--66-40. Said former sections pertained to similar subject matter and derived from Ord. of 11-4-97(2), §§ 2--8. See Code Comparative Table.

Cross references: Special assessment for garbage and solid waste collection, § 70-2.

State law references: Georgia Comprehensive Solid Waste Management Act, O.C.G.A. § 12-8-20 et seq.; local, multijurisdictional and regional solid waste plans, O.C.G.A. § 12-8-31.1; authorization to provide garbage and solid waste collection and disposal, Ga. Const. art. IX, § II, ¶ III(a)(2); unlawful placement of signs within right-of-way of public road, O.C.G.A. § 32-6-51.

Article I. In General

Sec. 66-1. Special district.

Secs. 66-2--66-30. Reserved.

Article II. Collection and Disposal

Sec. 66-31. Definitions.

Sec. 66-32. Regulation of municipal solid waste landfills, industrial landfills, inert landfills, construction and demolition landfills, and solid waste collection and recycling centers.

Sec. 66-33. Waste disposal--General.

Sec. 66-34. Scrap tires.

Sec. 66-35. Yard trash.

Sec. 66-36. Transporting solid waste and litter.

Sec. 66-37. Regulation of solid waste collection practices and carts, containers, dumpsters and receptacles.

Sec. 66-38. Accumulation.

Sec. 66-39. Violations and penalties.

Sec. 66-40. Civil remedies and abatement of nuisance.

ARTICLE I. IN GENERAL

Sec. 66-1. Special district.

(a) There is hereby created a solid waste management special district coterminous with the unincorporated area of the county for the purpose of providing solid waste service to such area.

(b) The revenues from the insurance premium tax may be used to pay all or part of the cost of services in the district.

(Res. of 6-2-92)

Secs. 66-2--66-30. Reserved.

Sec. 66-31. Definitions.

Cart means a plastic rollout receptacle used by the owner or occupant of a residential or commercial unit for storage of bagged solid waste, garbage and rubbish, provided by a county approved contractor, and having a capacity of not less than 90 gallons.

Commercial unit or '*commercial premises*' means all non-residential premises, public or private, requiring solid waste collection within the unincorporated areas of the county, including commercial, industrial, institutional and governmental premises.

Composting means the controlled biological decomposition of organic matter into a stable, odor-free humus.

Contractor means an individual or company providing waste management services under contract within the county.

Curbside means the location within five feet of the traveled portion of a publicly owned roadway designated by a contractor for the placement of residential or commercial solid waste for collection.

Disposal site means a facility for disposal of waste, including but not limited to sanitary landfills, transfer stations, incinerators, recycling facilities and processing facilities permitted or approved by state and federal governmental agencies having jurisdiction.

Dump means to throw, discard, place, deposit, discharge, bury, burn, or dispose of waste of any manner or kind.

Illegal dump, open dump, or dumpsite means a disposal site, location or facility at which waste of any kind from one or more sources is thrown, discarded, placed, deposited, discharged, buried, burned, or left to decompose, or disposed except in accordance with all applicable federal and state laws and regulations and the provisions of this chapter.

Litter shall be synonymous with the term 'waste' for the purposes of this article.

Person means any individual, firm, partnership, association, corporation, company, group, entity, or organization of any kind.

Recyclable materials means materials designated by the board of commissioners as recyclable and which, but for their use, reuse, or recycling potential, would be waste.

Residential unit or residential premises means a dwelling unit within the unincorporated area of the county occupied by a person or group of persons, including single family homes, each individual unit within a duplex, triplex, quadraplex, and condominium and mobile homes, whether such mobile homes are registered as vehicles or assessed as real property.

Scrap tire generator shall mean any person who generates scrap tires as defined in section 391-3-4.19(2.i) of the Georgia Rules of Solid Waste Management.

Scrap tire carrier shall mean any person engaged in picking up or transporting scrap tires not otherwise exempted under Section 391-3-4.19(5.g) for the purpose of removal to a scrap tire processor, end user or disposal facility.

Solid waste handling means the storage, collection, transportation, treatment, utilization, processing or disposal of solid waste, or any combination of such activities.

Tire retailer shall mean any person engaged in the business of selling new replacement tires.

Waste shall mean all discarded substances and materials whatsoever. With the exception of non-hazardous, low-impact animal byproducts classified by DNR, 'waste' includes without limitation, bottles, boxes, containers, papers, tobacco products, tires, dead animals including their bedding and other wastes from such animals, appliances, mechanical equipment or parts, building or construction materials, tools, machinery, wood products, motor vehicles and motor vehicle parts, vessels, aircraft equipment, waste oil, batteries, antifreeze, sludge from a wastewater treatment facility, water supply treatment plant, or air pollution control facility, air contaminants from any source or facility, and any other discarded material or substance of every kind and description resulting from domestic, industrial, commercial, mining, or governmental operations, including household, commercial, construction and demolition waste, or industrial solid waste which is non-hazardous, non-medical, and in a form classified as solid waste by the Georgia Department of Natural Resources O.C.G.A. 16-7-51. *Waste* further includes:

(1) *Bulky waste* : Stoves, refrigerators, water tanks, washing machines, appliances, and furniture, and other large items which cannot reasonably be placed in a cart, excluding construction debris, dead animals, yard trash and hazardous waste.

(2) *Commercial solid waste* : All types of solid waste generated by stores, offices, restaurants, warehouses and other non-manufacturing activities, excluding bulky waste, construction and demolition debris, dead animals, hazardous waste, industrial solid waste, inert waste, scrap tires and yard trash.

(3) *Construction and demolition debris* : Waste materials generated by the construction, remodeling, repair or demolition of residential, commercial or other structures.

(4) *Dead animals* : Animals or portions thereof that have expired from any cause, except those slaughtered or killed for commercial or human use.

(5) *Garbage* : Putrescible waste that results from the preparation, processing, consumption or storage of food, including used tin cans and other food containers and packaging; and all

putrescible or easily decomposable waste which is likely to generate odors or attract insects or rodents.

(6) *Hazardous waste* : Waste, in any amount, which is defined, characterized, or listed as hazardous by the United States Environmental Protection Agency or by the Georgia Department of Natural Resources Environmental Protection Division or by pursuant to federal or state law, or waste, in any amount, which is regulated under federal or state law. For purposes of this article, the term *hazardous waste* shall have the meaning assigned by O.C.G.A. § 12-8-22(12) and shall include vehicle batteries, motor oil, paint and paint cans.

(7) *Industrial solid waste* : Waste shall have the meaning assigned by O.C.G.A. § 12-8-22 (12.1).

(8) *Inert waste* : Waste that will not or is not likely to cause production of leachate of environmental concern. Such wastes are limited to earth and earth-like products, concrete, cured asphalt, rock, bricks, yard trimmings, stumps, limbs, and leaves. This definition excludes industrial and demolition waste not specifically listed herein.

(9) *Putrescible waste* : Materials that are primarily organic in nature and possess the attribute of rapid and foul smelling decomposition.

(10) *Residential solid waste* : All garbage, putrescible waste, and rubbish generated by a residential premises, excluding bulky waste, construction and demolition debris, dead animals, hazardous waste, industrial solid waste, inert waste, scrap tires, and yard trash.

(11) *Rubbish* : Non-putrescible solid waste consisting of paper, rags, cardboard, cartons, wood, rubber, plastics, glass, crockery, metal cans and any and all other non-putrescible solid waste excluding bulky waste, construction and demolition debris, dead animals, hazardous waste, industrial solid waste, inert waste, scrap tires, and yard trash.

(12) *Scrap tires* : Tires that are no longer suitable for their original intended purpose because of wear, damage, or defect.

(13) *Yard trash* : Leaves, brush, grass clippings, shrubs, tree trimmings, discarded Christmas trees and other vegetative materials generated from the maintenance of yards, lawns and landscaping.

(Ord. of 5-7-02)

Sec. 66-32. Regulation of municipal solid waste landfills, industrial landfills, inert landfills, construction and demolition landfills, and solid waste collection and recycling centers.

(a) No landfills, other than inert landfills having been properly permitted by rule by the Georgia Department of Natural Resources Environmental Protection Division (hereinafter 'EPD'), shall be operated in Effingham County, Georgia without the approval of the board of commissioners and a waste handling permit issued by the EPD.

(b) It shall be unlawful for any person to deposit waste of any kind outside the gate of a county-operated disposal site.

(c) No scavenging operation of any kind shall be allowed at a county-operated disposal site without the express written permission from the board of commissioners.

(d) No person shall move, remove or cross any fence, gate, barrier, or sign at a county-operated disposal site.

(e) The board of commissioners may establish fees for the collection of waste brought to county-operated disposal sites.

(f) The board of commissioners may establish rules and regulations for the collection of recyclable materials.

(Ord. of 5-7-02)

Sec. 66-33. Waste disposal--General.

(a) It shall be unlawful for any person to dump waste, litter or recyclables:

(1) In or on any public highway, road, street, alley, or thoroughfare, including any portion of the right of way thereof, or on any other public lands except in containers or areas lawfully provided for such dumping;

(2) In or on any fresh water lake, river, canal, stream, or creek; or

(3) In or on any public or private property; provided, however, that this section shall not prohibit composting of yard trash and putrescible waste where such composting does not violate section 66-38(b) of this article.

(Ord. of 5-7-02)

Sec. 66-34. Scrap tires.

(a) A tire retailer may hold up to 100 scrap tires per garage bay in storage, up to a maximum of 1000 tires; provided, however, that tire retailers must arrange for removal of scrap tires not less than once per week.

(b) Scrap tires must be stored in covered or enclosed areas to prevent the accumulation of water.

(c) All persons defined as scrap tire generators, scrap tire carriers/processors, or tire retailers shall be subject to rules as defined in section 391-3-4.19 and shall handle scrap tires in accordance with the provisions of O.C.G.A. § 12-8-20, et seq. and the Rules for Solid Waste Management, Chapter 391-3-4 applicable to solid waste, except where the requirements of this ordinance are more stringent.

(Ord. of 5-7-02)

Sec. 66-35. Yard trash.

Yard trash shall not be placed in carts or waste receptacles at county-operated disposal sites except at locations established by the county for the collection of yard trash. Yard trash shall be considered inert waste. Yard trash shall be sorted and stockpiled or chipped, composted, used as mulch or otherwise beneficially reused or recycled to the maximum extent feasible. Any yard trash to be collected by any entity other than the property owner shall be sorted and stored in such a manner as to facilitate collection, composting, or other handling.

(Ord. of 5-7-02)

Sec. 66-36. Transporting solid waste and litter.

(a) It shall be unlawful to drive or operate a vehicle in the county hauling waste that leaks, flows freely, or spills from said vehicle.

(b) Any litter or waste hauled on a moving vehicle shall be covered and/or secured in such a manner that it will not blow or escape from said vehicle while moving or parked on public or private property in the county; provided, however, that this section shall not prohibit the spreading of any substance in public road maintenance or public road construction operations.

(Ord. of 5-7-02)

Sec. 66-37. Regulation of solid waste collection practices and carts, containers, dumpsters and receptacles.

(a) All residential units will be issued one 90-gallon cart for once weekly solid waste collection. The cart must be staged at the roadside, with the lid opening facing the roadway, by 7:00 a.m. on the scheduled day of collection. The cart is to be removed from the vicinity of the roadside by 8:00 p.m. on the scheduled day of collection, or as soon as the waste is collected if after 8:00 p.m.

(b) Commercial units with not more than 100 pounds of waste per week may subscribe for service using 90-gallon cart(s) for once weekly solid waste collection. The cart must be staged at the roadside, with the lid opening facing the roadway, by 7:00 a.m. on the scheduled day of collection. The cart is to be removed from the vicinity of the roadside by 8:00 p.m. on the

scheduled day of collection, or as soon as the waste is collected if after 8:00 p.m. Commercial units that generate more than 100 pounds of waste per week shall secure solid waste collection services independently of any county-contracted collection service.

(c) All waste or litter carts, containers, dumpsters or receptacles shall be maintained in as sanitary a manner as is reasonably possible consistent with use for solid waste and litter disposal.

(d) All waste placed in carts shall be contained in plastic bags or sacks designed to store residential solid waste with sufficient wall strength to maintain physical integrity when lifted by the top.

(e) No person shall deposit a scrap tire in any container or receptacle unless the container has been designated for the collection of scrap tires and unless authorized by the owner of the receptacle or the board of commissioners or its designee.

(f) No person shall deposit any burning or smoldering material in any solid waste or litter container or receptacle. No person shall set fire to the contents of any such container or receptacle. No person shall deposit any flammable or explosive materials in any such container or receptacle.

(g) No person shall deposit any waste other than residential and commercial solid waste in contractor-provided carts.

(h) Elderly and disabled residents who are physically unable to place carts at the roadside may be eligible for back door collection if the county requires the contractor to provide this service. Such exemptions for the elderly and disabled residents may be granted at the discretion of the county and are subject to such policies and regulations as the county may establish.

(i) No person shall willfully damage or alter the location of any carts, containers, dumpsters or receptacles without the written consent of the board of commissioners.

(j) No salvage or scavenging operations shall be conducted in or around carts, containers, dumpsters or receptacles except by written consent of the board of commissioners.

(k) No person shall deposit waste at any county disposal site unless such waste is contained in plastic bags or sacks with sufficient wall strength to maintain physical integrity when lifted by the top or as required by the board of commissioners or their designee. Waste shall be deposited only during the hours of operation established by the board of commissioners or their designee. The board of commissioners or their designee may regulate the types of waste accepted at county disposal sites, and it shall be a violation of this article to deposit waste at any county disposal site except in accordance with such regulations.

(l) No person shall deposit waste, water or litter of any kind at any county disposal site into county-owned or contracted carts, containers, dumpsters or receptacles designated for the collection of recyclable materials. Only materials designated by the board of commissioners or their designee may be deposited in such containers. The board of commissioners may require that recyclables be separated.

(Ord. of 5-7-02)

Sec. 66-38. Accumulation.

(a) No owner or occupant of any premises shall cause, suffer or allow litter or waste to accumulate thereon except as permitted by this section. No person may bury or burn litter or waste without prior authorization and written permission from the board of commissioners or applicable regulatory agency, including but not limited to, the Environmental Protection Agency, Environmental Protection Division, and/or the Georgia Forestry Service. A burn permit from the Georgia Forestry Service must be obtained before burning brush, stumps or yard trimmings unless the burn is conducted by, or under the supervision of, the Georgia Forestry Service. Nothing in this provision shall authorize or be construed to permit the burial or burning of any material which is otherwise prohibited by state or federal law.

(b) The owner or occupant of private property may conduct composting on his or her premises where composting does not create or causes a health hazard to neighbors or other citizens, is not unsightly, and does not emit foul or obnoxious odors.

(c) It shall be unlawful for any person to set fire to the contents of, indiscriminately scatter, or disperse the contents of, or otherwise vandalize any containers used for the storage or dumping of litter or waste.

(Ord. of 5-7-02)

Sec. 66-39. Violations and penalties.

(a) Any person(s), firm, or corporation violating any portion of this article shall be subject to prosecution in the Magistrate Court of Effingham County and, upon conviction, shall be punished as follows:

(1) For the first offense, by a fine of not less than \$100.00 and not more than \$1,000.00, or up to 30 days imprisonment, or both. Each day the violation continues shall constitute a separate offense.

(2) For the second or subsequent offense(s), by a fine of not less the \$750.00 and not more than \$1,000.00, or up to 60 days imprisonment, or both. Each day the violation continues shall constitute a separate offense.

(b) In addition, the magistrate court may:

(1) Order the offender(s) to pick up and remove litter from any public streets or highways and/or other public right of way;

(2) Order the offender(s) to pick up and remove litter from any public park, private right of way, or, with the prior permission of the legal owner or tenant in lawful possession of such property, any private property upon which it has been established that the person has deposited litter thereon;

(3) Order the publication of the name(s) of the offender(s) convicted of violating this article;

(4) Order the offender(s) to repair or restore property damaged, or pay restitution for damages resulting from such violations, or perform public service related to the repair or restoration of property damaged by the violation;

(5) In the case of an improper garbage or waste disposal site, order the offender(s) to remove the waste at his or her expense.

(c) The expenses incurred by the county for cleanup, enforcement of violations, and penalties shall be chargeable to the violator, including, but not limited to: court costs, filing fees, special investigations, mutual aid assistance from other agencies and other costs necessary for the reasonable enforcement of this article.

(Ord. of 5-7-02)

Sec. 66-40. Civil remedies and abatement of nuisance.

(a) In addition to initiation of a prosecution as provided in section 66-39 of this article, in the event that any person violates any provision of this article, the board of commissioners may institute an action for civil or equitable relief, including, but not limited to, an action to enjoin or correct or abate such violation and/or to recover damages to public property.

(b) All conflicting resolutions, ordinances, or sections of resolutions, or resolutions in conflict with this article are hereby repealed.

(Ord. of 5-7-02)

LITTER.
It costs you
BEAUTY.



Let's Talk Trash

LITTER.
It costs you
HEALTH.



Effingham County Sanitation Department and Keep Effingham Beautiful seek to promote and support a high quality of life for the citizens of Effingham by providing a comprehensive, responsive, environmentally safe and efficient solid waste management program. We work with other City, County and State Agencies to ensure that Effingham County's environment & natural resources are not only protected, but also preserved.

CURBSIDE TRASH COLLECTION SERVICE

If located within the City limits:

City of Guyton	772-3353
City of Rincon	826-5745
City of Springfield	754-6666

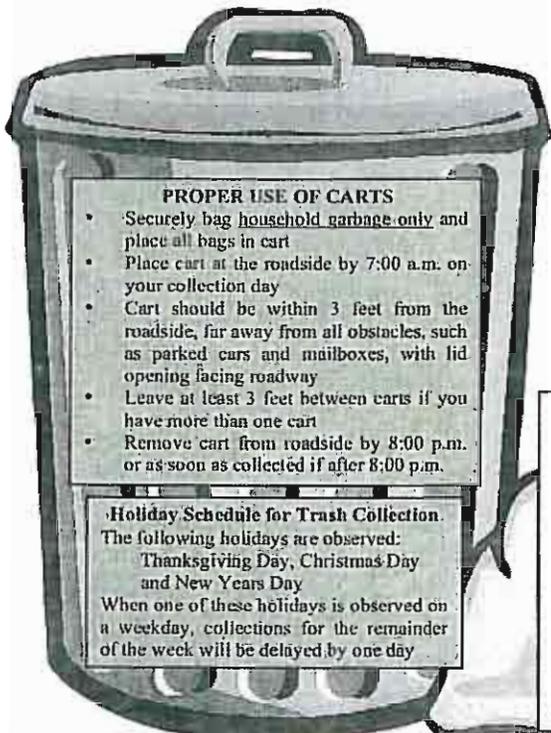
If located in the Unincorporated Areas of the County:

New Constructed Homes or Mobile Homes on New Lots- Zoning and GIS Dept.	754-2105
Existing Homes and Existing Mobile Home Lots and Stolen Carts and Damaged Carts/Broken Wheels and Lids	
Republic Waste Services	964-2211
Sanitation	754-4668

TAXPAYERS SPEND OVER \$500,000 PER YEAR TO CLEAN UP LITTER ON OUR COUNTY AND CITIES ROADS

HOW LONG WILL "YOUR" LITTER LINGER?

Banana Peel.....	3-4 weeks
Paper.....	2-5 months
Cotton Rags or T-Shirts.....	1-5 months
Orange Peel.....	6 months
Rope.....	3-14 months
Wool Sock.....	1-5 years
Plastic Coated Paper Cartons.....	5 years
Cigarette Butts.....	7+ years
Plastic Bags.....	10-20 years
Nylon Fabric.....	30-40 years
Leather Shoe.....	45 years
Aluminum Cans.....	80-100 years
Metal.....	150-250 years
Plastic 6-pack Holder Rings.....	450 years
Plastic Soda Bottles.....	450 years
Disposable Diaper.....	550 years
Styrofoam Container.....	1 million years
Glass Bottles.....	1 million years
Tires.....	Indefinitely



PROPER USE OF CARTS

- Securely bag household garbage only and place all bags in cart
- Place cart at the roadside by 7:00 a.m. on your collection day
- Cart should be within 3 feet from the roadside, far away from all obstacles, such as parked cars and mailboxes, with lid opening facing roadway
- Leave at least 3 feet between carts if you have more than one cart
- Remove cart from roadside by 8:00 p.m. or as soon as collected if after 8:00 p.m.

Holiday Schedule for Trash Collection

The following holidays are observed:
Thanksgiving Day, Christmas Day and New Years Day
When one of these holidays is observed on a weekday, collections for the remainder of the week will be delayed by one day



HELP US BAG LITTER!

Unbagged garbage can blow out of our collection trucks and litter our streets. Please help us by putting all your garbage into tied bags before placing them into your collection cart. By working together, we can continue making Effingham County a Clean and Beautiful place to live.

BULKY WASTE AND RECYCLING

Effingham County Dry Waste Collection Site 754-4668, ext 6
2750 Courthouse Road (between McCall & Midland Roads)

Hours of Operation - Closed on County Holidays

Monday, Wednesday, Friday & Saturday 8:00 a.m. - 5:00 p.m.

Items accepted:

- Recyclables (no charge) - All metals, Aluminum, Steel, Paper, Newsprint, Magazines, Cardboard, Cell phones, Inkjet/Toner cartridges, Automobile batteries, Rechargeable & cell phone batteries
- Tires (charged according to size of tire)
- Dry Trash (\$80 per ton or 4 cents/pound) - Furniture, Wood, Concrete, Yard Trimmings, Construction debris



"Bagging 'Your' Trash...Saves Taxpayers Cash!"

LITTER.
It costs you
MONEY.



For more information about any of these programs or to schedule a presentation, please contact the Effingham County Sanitation Department at (912) 754-4668 extension 0, or visit www.KeepEffinghamBeautiful.com & follow links to Sanitation Dept or visit litter.itcostsyou.com

LITTER.
It costs you
SAFETY.



Effingham's Environment.. It's Ours to Keep!

Let's Talk Trash!

CURBSIDE TRASH COLLECTION SERVICE

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Existing Homes and Mobile Home Lots and Stolen Carts and Damaged Carts/Broken Wheels and Lids	
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TAXPAYERS SPEND OVER \$500,000 PER YEAR TO CLEAN UP LITTER ON OUR COUNTY AND CITIES ROADS

'HOW LONG WILL "YOUR" LITTER LINGER?'

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Cigarette Butts.....	7+ years
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Nylon Fabric.....	30-40 years
Leather Shoe.....	45 years
Aluminum Cans.....	80-100 years
Metal.....	150-250 years
Plastic 6-pack Holder Rings.....	450 years
Plastic Soda Bottles.....	450 years
Disposable Diaper.....	550 years
Styrofoam Container.....	1 million years
Glass Bottles.....	1 million years
Tires.....	Indefinitely

Please remember that:
 "Bagging Your Trash
 Saves Taxpayers Cash!"

BULKY WASTE AND RECYCLING
 Effingham County Dry Waste Collection Site
 772-5149
 2750 Courthouse Road
 (between McCall & Midland Roads)
 Hours of Operation -
 Closed on County Holidays
 Monday, Wednesday, Friday & Saturday
 8:00 a.m. - 5:00 p.m.

For more information about any of these programs, please call the Effingham County Sanitation Department at 754-4668 from 8:30 a.m. to 5:00 p.m. Monday through Friday or email cburns@effinghamcounty.org

**EFFINGHAM'S ENVIRONMENT...
 IT'S OURS TO KEEP!**

JUNK, TRASH & OLD TIRES PILED UP AROUND YOUR HOUSE?

TIRED OF GETTING BIT BY MOSQUITOES??

OVER 125,000 MOSQUITOES CAN BE BORN IN A SINGLE TIRE IN ONE YEAR????

Not only are trash and tires unsightly harmful to our environment, but also any container that holds water is a breeding ground for mosquitoes. Mosquitoes transmit diseases that are not only dangerous, but Fatal!

YOU CAN HELP PROTECT YOURSELF, YOUR FAMILY, FRIENDS & PETS AND BEAUTIFY YOUR HOME AND NEIGHBORHOOD BY BRINGING YOUR DRY TRASH, BULKY WASTE AND OLD TIRES TO THE:

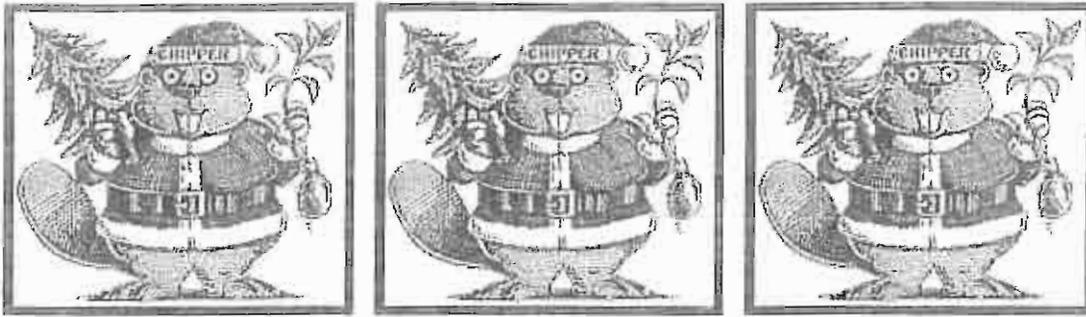
County Wide Clean Up Day & Waste Tire Round Up

May 6, 2006 9:00 a.m. – 3:00 p.m.
Effingham County Dry Waste & Recycling
Collection Site - 2750 Courthouse Road

- ALL DRY TRASH WILL BE CHARGED ONE CENT PER POUND OR \$20 PER TON
- RECYCLABLES, SUCH AS PAPER, CARDBOARD & METAL, WILL BE FREE
- LIMIT - 10 PASSENGER TIRES PER COUNTY RESIDENCE
- THERE WILL BE A CHARGE FOR LARGE TRUCK, TRACTOR & OFF THE ROAD TIRES
- TIRES MUST BE OFF THE RIM (charge for on rim)
- NO BUSINESSES WILL BE ALLOWED TO PARTICIPATE

For more information, call the Sanitation Department at 772-5149 or 754-4668
Sponsored by Effingham Co. Board of Commissioners & Keep Effingham Beautiful

Would you like to help protect the environment and get a free seedling this Christmas? Then,



Bring One for the Chipper

Christmas Tree & Christmas Card Recycling Event January 6th, 8:00 a.m – 12:00 p.m.

Bring One for the Chipper is Georgia's annual Christmas tree recycling program. Each year, Keep Georgia Beautiful works with private sponsors to organize the recycling event. The Chipper program involves hundreds of Georgia communities and thousands of volunteers. Since its inception, the program has recycled 4 million Christmas trees. You can support the program by bringing your cut Christmas tree and Christmas cards to a designated drop off site or volunteering with your local coordinator to collect trees.

Christmas cards will be recycled locally by the Effingham County Sanitation Department and the Effingham County Senior Citizens Center. The Senior Citizens Center, located at 128 Stillwell Road in Springfield, provides opportunities for residents of Effingham County to participate in many activities. Making crafts out of the Christmas cards that are collected is one activity that the Senior Citizens Center does. These crafts will be sold in the gift shop located at the center for next Christmas. Please visit the gift shop Monday-Friday from 8:00 a.m. to 4:00 p.m.

On January 6, 2007, remove all of the decorations from your Christmas tree (ornaments, tinsel etc.) and take your tree and Christmas cards to the drop off site. Your tree will be properly recycled or used as wildlife habitat. Either way, you'll help keep your tree out of the landfill and put it to good use. While supplies last, each citizen that donates a tree for recycling on that day will receive a free dogwood seedling. Seedlings will be available on a first-come, first-serve basis. Funds from Keep Georgia Beautiful, Georgia Forestry Commission and the state's Solid Waste Fund were used to purchase the seedlings.

There will be five locations in Effingham County, the community of Meldrim and the Cities of Guyton, Rincon and Springfield accepting trees on January 6th from 8:00 a.m. – 12:00 p.m.

Effingham County Dry Waste & Recycling Collection Site

2750 Courthouse Rd. (Note: This site will accept trees Monday, Wednesday, Friday & Saturday from 8:00 a.m – 5:00 p.m. throughout the month of January – dogwood seedlings will only be available on Saturday, January 6th)

City of Guyton

Hwy 17 in the parking lot by the caboose across from City Hall

City of Rincon

Lexington Ave at the Macomber Ball Park parking lot

City of Springfield

Hwy 21 Business (Laurel St.) in the parking lot by City Hall

Meldrim Community

Fire Department parking lot located at 305 Fifth Street

For more information, please contact the Effingham County Sanitation Department at (912)754-4668, dial 0 when the voice mail comes on, or email cburns@effinghamcounty.org or wprice@effinghamcounty.org

(teacher's thank you note and gift given at beginning of school year)

Thank you for helping protect Effingham County's environment by teaching our children responsible environmental stewardship. We welcome the opportunity to speak to your class on many different environmental subjects including, but not limited to; recycling, re-use, waste reduction, litter, illegal dumping, etc. We would love to help you with projects around your school, such as litter clean-ups and outdoor educational events. Please contact me if I can help you in any way or to schedule a presentation.

Connie Burns-Walden
Effingham County Sanitation Department
Keep Effingham Beautiful

(912) 754-4668
cburns@effinghamcounty.org
www.effinghamcounty.org

"Effingham's Environment...It's Ours to Keep!"

(Olde Effingham Days Festival Advertisement)

Celebrate Olde Effingham Days By Keeping Our Environment Clean as New!



Sanitation Department (912) 754-4668, option 0
Dry Waste & Recycling Collection Site (912) 754-4668, option 6
Keep Effingham Beautiful (912) 754-4668, option 0
www.effinghamcounty.org

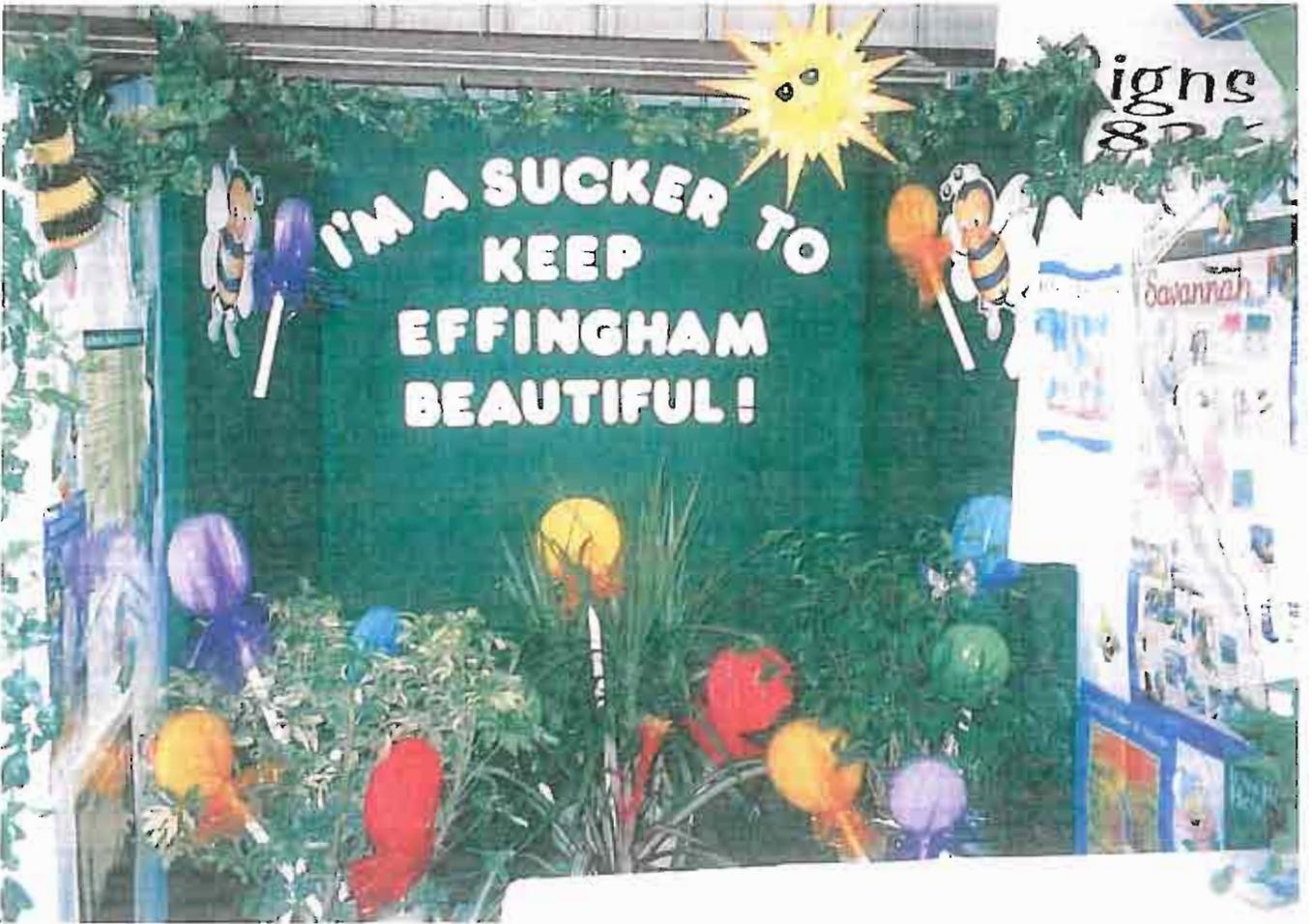
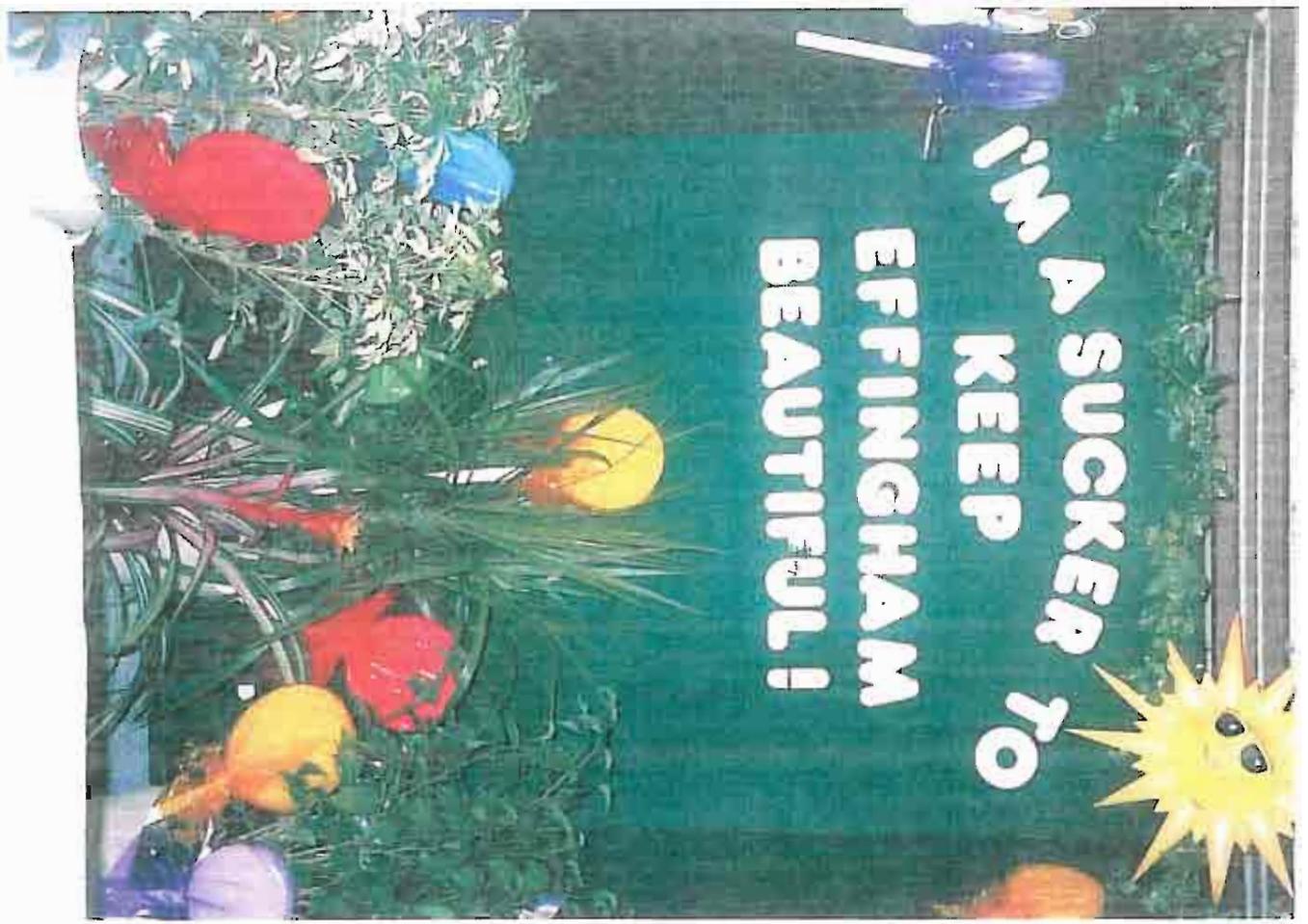
(garden club thank you's with a seed packet)

"Thank You"
for helping Effingham
County
BLOOM!



(Holiday advertisement)







Effingham County Sanitation Director Connie Burns
visiting with Governor Sonny Perdue at the State Capitol
during Keep Georgia Beautiful Day at the Capitol



Effingham County Sanitation Director Connie Burns
visiting with First Lady Mary Perdue at the
Governor's Mansion with Keep Georgia Beautiful



Educational Programs held throughout the year



Wanda Price, Keep Effingham Beautiful, at the KEB fair booth for the Effingham County Fair. Over 12,000 people visit the fair each year. KEB staffs the booth each day and speaks to thousands about environmental issues the week of the fair



Connie Burns and Wanda Price, Keep Effingham Beautiful; Travis Blankenship, Georgia Forestry Commission and the Georgia Forestry Fair Queens celebrate Arbor Day in Effingham County

2006 Litter Summit
Promoting the State Litter Initiative



Governor Sonny Perdue – 2006 Litter Summit



Connie Burns - Keep Effingham Beautiful; Representative Lynn Smith, Lynn Cobb - Keep Georgia Beautiful and Wanda Price - Keep Effingham Beautiful



Connie Burns, President Georgia Association of Code Enforcement, receiving plaque thanking GACE for help on statewide Litter Initiatives from representatives from Governor Perdue's office and ACCG

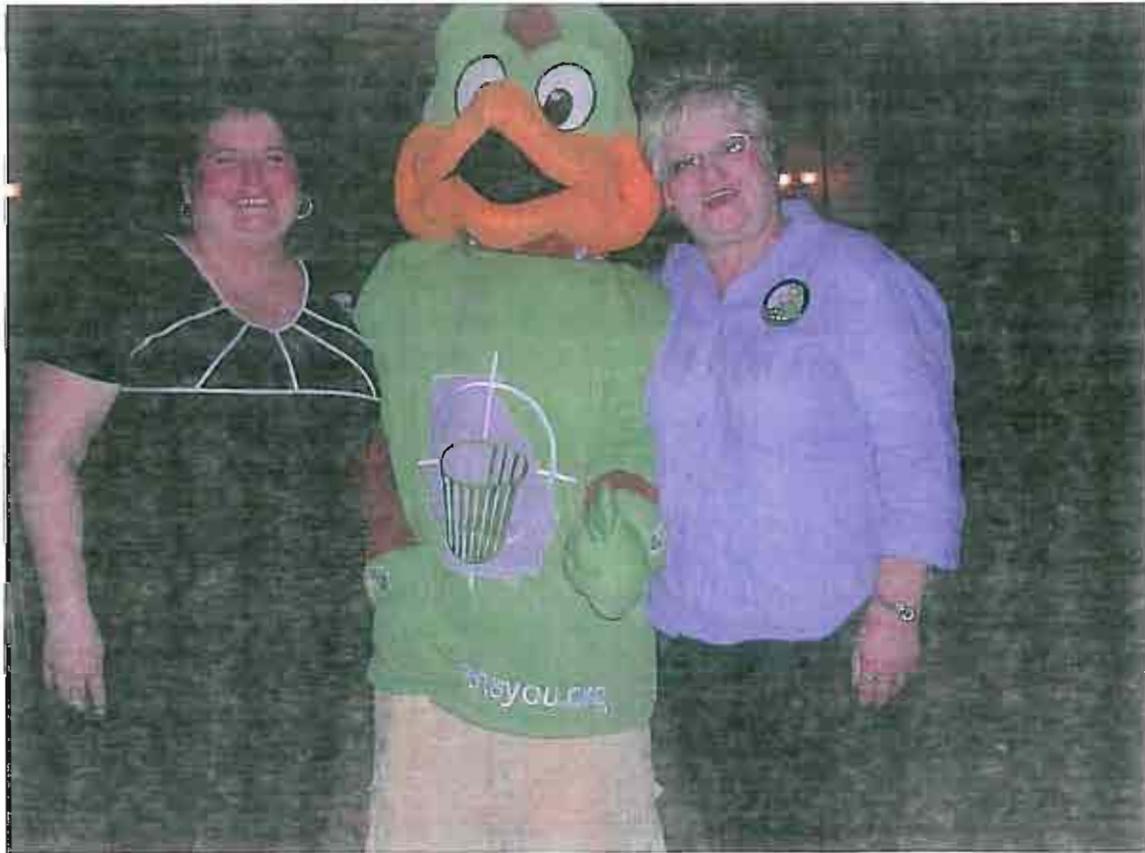
Georgia Association of Code Enforcement 2006-07 Board of Directors



Litter Mascot Naming Ceremony
State Capitol



Trell Fennell and Shamia Wallace from Effingham County were two of the 24 students who picked the name "Buster" for the Brown Trasher and were recognized by Governor Perdue and State Legislators



Connie Burns and Wanda Price of Keep Effingham Beautiful with "Buster" for the Brown Trasher



Buster, Senator Jack Hill, Representative Jon Burns and Representative Buddy Carter with Connie Burns and Wanda Price from Keep Effingham Beautiful and the Fennell and Wallace families



Buster, Senator Jack Hill, Representative Jon Burns and Representative Buddy Carter with Trell Fennell and Shamia Wallace

EFFINGHAM COUNTY AND THE CITIES OF GUYTON, RINCON AND SPRINGFIELD
Solid Waste Management Implementation Strategy

PLAN ELEMENT AND IMPLEMENTATION ACTIVITY	YEAR TO BE IMPLEMENTED 2007-2016										RESPONSIBLE PARTY	ESTIMATED ANNUAL COST	FUNDING SOURCE(S)				
	07	08	09	10	11	12	13	14	15	16							
Waste Reduction																	
Work toward 25% reduction in solid waste stream- part of this will be performing a complete audit of current recycling program		x	x	x	x	x	x	x	x	x	x	x	x		County, Cities KEB, Businesses	N/A	County and Cities
Continue cardboard recycling with local stores	x	x	x	x	x	x	x	x	x	x	x	x	x		Cities & Businesses	Stores pay for program	Local Stores
Work with Effingham County to expand current recycling program – either curbside or drop-off		x	x	x	x	x	x	x	x	x	x	x	x		County, Cities KEB	N/A	County and Cities
Expand government and school paper recycling with county and Georgia Pacific		x	x	x	x	x	x	x	x	x	x	x	x		County, Cities private vendor	N/A	County, Cities and Schools
Establish a backyard composting site at government offices and at the schools in our jurisdiction to teach residents about home composting. This will increase education about managing yard trimmings															County, Cities KEB Extension Service	\$1000	County and Cities
Work with all jurisdictions on investigating recycling markets	x	x	x	x	x	x	x	x	x	x	x	x	x		County, Cities State Agencies Private vendors	Paid Staff	No funds required
Research the possible expansion of school and city/county recycling & education programs															County, Cities private vendor	Paid Staff	No funds required for first phase
Work with other agencies, private vendors and businesses to collect better data to use in educating the public about solid waste issues, recycling rates and litter tonnages		x	x	x	x	x	x	x	x	x	x	x	x		County, Cities private vendor	Paid Staff	No funds required
Coordinate with code enforcement and/or police department to address more solid waste issues	x	x	x	x	x	x	x	x	x	x	x	x	x		County, Cities	Paid Staff	County and Cities
Research current fees charges for solid waste management at dry waste and recycling centers		x	x	x	x	x	x	x	x	x	x	x	x		County	Paid Staff	County

EFFINGHAM COUNTY AND THE CITIES OF GUYTON, RINCON AND SPRINGFIELD

Solid Waste Management Implementation Strategy

PLAN ELEMENT AND IMPLEMENTATION ACTIVITY	YEAR TO BE IMPLEMENTED 2007-2016											RESPONSIBLE PARTY	ESTIMATED ANNUAL COST	FUNDING SOURCE(S)			
	07	08	09	10	11	12	13	14	15	16							
Waste Reduction con't.																	
Consider a policy to regulate private waste haulers – include requirements to report tonnages for waste and recycling		X	X	X	X	X	X	X	X	X	X	X	X	X	County	Paid staff	No funds required
Seek grant funding for recycling, waste reduction and re-use education programs and equipment		X	X	X	X	X	X	X	X	X	X	X	X	County and Cities	\$25,000	County and Cities	
Plan and construct an Environmental Education Center		X	X	X	X	X	X	X	X	X	X	X	X	County	\$150,000	Grants County	
Consider incentives for recycling and waste reduction efforts			X	X	X	X	X	X	X	X	X	X	X	County	\$1000	County	
Collection																	
Private curbside collection of residential & commercial waste	X	X	X	X	X	X	X	X	X	X	X	X	X	Private Vendor, County, Cities			
Continue to operate Dry Waste & Recycling Collection Site	X	X	X	X	X	X	X	X	X	X	X	X	X	County			
Private curbside collection of yard trimmings	X	X	X	X	X	X	X	X	X	X	X	X	X	Private vendor – Guyton & Spfd.			
Private curbside collection of brown and white goods	X	X	X	X	X	X	X	X	X	X	X	X	X	Private Vendors Rincon	N/A	residents	
Plan special event recycling collections	X	X	X	X	X	X	X	X	X	X	X	X	X	City, County & Private Vendors	\$20,000	County Grants	
Research the expansion of recycling markets and collections		X	X	X	X	X	X	X	X	X	X	X	X	City, County & Private Vendors	Paid staff	No funds required	
Pursue grant funding to expand recycling operations		X	X	X	X	X	X	X	X	X	X	X	X	Cities and County	\$40,000	County Grants	
Conduct audits on route efficiency for service and cost – research GIS grant opportunities that will increase efficiency	X	X	X	X	X	X	X	X	X	X	X	X	X	City, County & Private Vendors	N/A	County Private Vendor	
Purchase new recycling containers and equipment to expand collection program		X	X	X	X	X	X	X	X	X	X	X	X	County	\$15,000	County Grants	

EFFINGHAM COUNTY AND THE CITIES OF GUYTON, RINCON AND SPRINGFIELD
Solid Waste Management Implementation Strategy

PLAN ELEMENT AND IMPLEMENTATION ACTIVITY	YEAR TO BE IMPLEMENTED 2007-2016										RESPONSIBLE PARTY	ESTIMATED ANNUAL COST	FUNDING SOURCE(S)				
	07	08	09	10	11	12	13	14	15	16							
Disposal																	
Continue contract with Republic Waste to haul residential solid waste to Savannah Regional Transfer Station and Broadhurst Regional Landfill in Jesup, GA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Private Vendors	Landfill fee is included in contract collection cost	County and Cities
Businesses contract with private vendors for solid waste disposal	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Businesses & Private Vendors	N/A	Businesses
Continually monitor disposal costs at all landfills and transfer facilities	x	x	x	x	x	x	x	x	x	x	x	x	x	x	County and Cities	Paid staff	County
Perform post closure care testing and maintenance at closed msw landfill site	x	x	x	x	x	x	x	x	x	x	x	x	x	x	County	Around \$40,000 per year	County
Continually monitor vendors for competitive pricing for contract grinding, waste tire disposal, special waste disposal	x	x	x	x	x	x	x	x	x	x	x	x	x	x	County and Cities	Paid staff	County
Continually update emergency operations and/or disaster plans, service agreements for preparations/collections/disposal for a major disaster where there is huge quantities of solid waste	x	x	x	x	x	x	x	x	x	x	x	x	x	x	County and Cities	Paid staff	County
Continue coordinating with other departments and using inmate labor to clean up and dispose of litter.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	County and Cities	County and Cities currently spend over \$500,000 annually cleaning up litter	County
Increase environmental code enforcement presence to deter improper disposal	x	x	x	x	x	x	x	x	x	x	x	x	x	x	County	Paid staff	County
Monitor tire generators & inert landfills for proper disposal	x	x	x	x	x	x	x	x	x	x	x	x	x	x	County	Paid staff	County
Continually research innovative recycling disposal options		x	x	x	x	x	x	x	x	x	x	x	x	x	County	Paid staff	County, Cities, Grants
Develop program to dispose of old mobile homes – include funding		x	x	x	x	x	x	x	x	x	x	x	x	x	County	\$45,000	County Grants

EFFINGHAM COUNTY AND THE CITIES OF GUYTON, RINCON AND SPRINGFIELD

Solid Waste Management Implementation Strategy

PLAN ELEMENT AND IMPLEMENTATION ACTIVITY	YEAR TO BE IMPLEMENTED 2007-2016										RESPONSIBLE PARTY	ESTIMATED ANNUAL COST	FUNDING SOURCE(S)			
	07	08	09	10	11	12	13	14	15	16						
Land Limitation																
Notify zoning office and ensure that all entities that wish to site a solid waste handling facility in Effingham County follow the guidelines as set by this plan, the EPD and the Zoning Regulations		x	x	x	x	x	x	x	x	x	x	x	x		Paid staff	No funds required
Continually monitor land use patterns and developments for future solid waste facilities		x	x	x	x	x	x	x	x	x	x	x	x		Paid staff	No funds required
Work with GIS Department to create more maps concerning solid waste - such as land use, more detailed routing, unsuitable areas for solid waste, brownfields		x													Paid staff	County
Update all current solid waste facility zoning requirements for both cities and county. Ensure consistency with Solid Waste Plan		x													Paid staff	No funds required
Public Education & Involvement																
Work to educate businesses and residents about source reduction, reuse programs and recycling	x	x	x	x	x	x	x	x	x	x	x	x	x		Paid staff	County and Cities
Send mail-outs or use water bills and all other media outlets to educate the public concerning solid waste issues	x	x	x	x	x	x	x	x	x	x	x	x	x		Paid staff	Cities
Work on conducting workshops in the school system on composting, littering, recycling, waste reduction reuse and other solid waste issues	x	x	x	x	x	x	x	x	x	x	x	x	x		Paid staff	County and Cities

EFFINGHAM COUNTY AND THE CITIES OF GUYTON, RINCON AND SPRINGFIELD

Solid Waste Management Implementation Strategy

PLAN ELEMENT AND IMPLEMENTATION ACTIVITY	YEAR TO BE IMPLEMENTED 2007-2016										RESPONSIBLE PARTY	ESTIMATED ANNUAL COST	FUNDING SOURCE(S)			
	07	08	09	10	11	12	13	14	15	16						
Public Education & Involvement																
Work with County & City Civic Organizations to promote source reduction, recycling & reuse – enlist their support in community activities that involve waste issues	x	x	x	x	x	x	x	x	x	x	x	x	x	x	County and Cities	County and Cities
Increase public volunteer and business sponsorships of programs and events		x	x	x	x	x	x	x	x	x	x	x	x	County and Cities	No funds required	No funds required
Continue installing anti-litter signage and hosting litter initiative programs in conjunction with the state litter campaign – revive the Adopt a Hwy program		x	x	x	x	x	x	x	x	x	x	x	x	County	\$6000/year	County
Work with code enforcement and/or police department to address code issues or quality of life crimes – litter & illegal dumps	x	x	x	x	x	x	x	x	x	x	x	x	x	County and City of Guyton Rincon and Spfld. Police	N/A	County and Cities
Promote and coordinate joint public education activities between governments departments and multi-jurisdictional governments, both in and out of county	x	x	x	x	x	x	x	x	x	x	x	x	x	County and Cities	N/A	No funds required
Plan and build Environmental Education Center at Dry Waste and Recycling Collection Site – include in service teacher training, tours and student summer camps		x	x	x	x	x	x	x	x	x	x	x	x	County, KEB	\$150,000	County and Grants
Schedule more public meetings concerning solid waste issues		x	x	x	x	x	x	x	x	x	x	x	x	County	Paid staff	No funds required
Develop a web site for Keep Effingham Beautiful		x	x	x	x	x	x	x	x	x	x	x	x	KEB	\$500	No funds required
Increase media participation in all areas of solid waste – run articles at least monthly	x	x	x	x	x	x	x	x	x	x	x	x	x	County and Cities	Paid staff	No funds required

EFFINGHAM COUNTY AND THE CITIES OF GUYTON, RINCON AND SPRINGFIELD

Solid Waste Management Implementation Strategy

PLAN ELEMENT AND IMPLEMENTATION ACTIVITY	YEAR TO BE IMPLEMENTED 2007-2016										RESPONSIBLE PARTY	ESTIMATED ANNUAL COST	FUNDING SOURCE(S)				
	07	08	09	10	11	12	13	14	15	16							
Public Education & Involvement																	
Continue meetings with waste haulers to educate them on proper waste disposal in the 90 gallon carts and the causes of litter	x	x	x	x	x	x	x	x	x	x	x	x	x	x	County, KEB	Paid staff	No funds required
Coordinate with businesses and industries to educate them properly on solid waste issues	x	x	x	x	x	x	x	x	x	x	x	x	x	County, Cities KEB	Paid staff	No funds required	
Expand current programs including GAC, ARD, Rivers Alive, Bring One for the Chipper Day		x	x	x	x	x	x	x	x	x	x	x	x	County, Cities KEB	N/A	County	
Meet with purchasing and consider a buy recycled policy			x											County, KEB	N/A	No funds required	
Work with GIS to develop better maps for educational projects			x	x										County, KEB	N/A		
Develop creative education programs for all age groups -- use all civic groups, churches, homeowners associations	x	x	x	x	x	x	x	x	x	x	x	x	x	County, KEB	\$2500	County	
Create brochures and promotional items to explain solid waste services and issues		x												County, Cities KEB	\$1000	County	
Promote contests, put exhibits in fairs, & participate in county events	x	x	x	x	x	x	x	x	x	x	x	x	x	County, Cities KEB	\$1000	County	
Work with Realty offices to establish an informative brochure concerning solid waste issues in county & cities		x												County, Cities KEB	\$1000	County	
Consider the formation of a solid waste task force to discuss areas of concern and solicit volunteers for solid waste education program		x												County, KEB	N/A	No funds required	

**Notice of Public Hearing
Regarding the Joint Solid Waste Management
Plan for Effingham County and the
Cities of Guyton, Rincon and Springfield**

Notice is hereby given that the Rincon City Council will hold a public hearing on Monday, April 11, 2005, at 7:00 p.m., in the Council Chambers located at 107 West 17th Street. The hearing is being held to (1) inform the public about the purpose of the joint solid waste management plan and the process to be followed in the preparation of the plan and (2) to elicit community input on the needs and goals.

**Notice of Public Hearing
Regarding the Joint Solid Waste Management
Plan for Effingham County and the
Cities of Guyton, Rincon and Springfield**

Notice is hereby given that the Springfield City Council will hold a public hearing on Tuesday, April 12, 2005, at 6:00 p.m., in the Council Chambers located at 130 South Laurel St. The hearing is being held to (1) inform the public about the purpose of the joint solid waste management plan and the process to be followed in the preparation of the plan and (2) to elicit community input on the needs and goals.

**Notice of Public Hearing
Regarding the Joint Solid Waste Management
Plan for Effingham County and the
Cities of Guyton, Rincon and Springfield**

Notice is hereby given that the Guyton City Council will hold a public hearing on Tuesday, April 12, 2005, at 7:30 p.m., in the Council Chambers located at 310 Central Boulevard. The hearing is being held to (1) inform the public about the purpose of the joint solid waste management plan and the process to be followed in the preparation of the plan and (2) to elicit community input on the needs and goals.

**Notice of Public Hearing
Regarding the Joint Solid Waste Management
Plan for Effingham County and the
Cities of Guyton, Rincon and Springfield**

Notice is hereby given that the Effingham County Board of Commissioners will hold a public hearing on Monday, April 4, 2005, at 7:00 p.m., in the large conference room at the Administration Complex, 601 North-Laurel Street, Springfield. The hearing is being held to (1) inform the public about the purpose of the joint solid waste management plan and the process to be followed in the preparation of the plan and (2) to elicit community input on the needs and goals.

Notice of Public Hearing

The purpose of this hearing is to accept public comment regarding the draft updated Ten Year Comprehensive Solid Waste Management Plan for Effingham County and the Cities of Guyton, Rincon and Springfield and prepare the draft plan for transmittal to the Coastal Georgia Regional Development Center and the Department of Community Affairs. A copy of the draft updated Ten Year Comprehensive Solid Waste Management Plan is available for review in the Effingham County Sanitation Department during regular business hours. The public hearing will be held June 11, 2007 at 6:30 p.m. at the Effingham County Sanitation Department located at 2750 Courthouse Rd, Guyton, GA 31312, For more information or assistance, please contact the Effingham County Sanitation Department at (912) 754-4668

STAFF REPORT

DATE: June 19, 2007

TO: Board of Commissioners

THRU: Ed Williams, County Administrator

FROM: Connie Burns, Solid Waste Coordinator

ISSUE: Approve Resolution to transmit the updated Joint Comprehensive Solid Waste Management Plan for Effingham County and the Cities of Guyton, Rincon and Springfield; and submit the plan to the Coastal Georgia Regional Development Center and the Department of Community Affairs to begin the review process.

BACKGROUND:

The Georgia Comprehensive Solid Waste Management Act of 1990 provides framework to encourage integrated, comprehensive solid waste planning at the local, multi-jurisdictional, and regional levels. The Act establishes a relationship between solid waste planning, annual reporting such as the Solid Waste Annual Survey and Full Cost Report, and solid waste grants, loans and facility permits. The Joint Comprehensive Solid Waste Management Plan and Implementation Strategy were prepared through an active and cooperative effort of the officials and staff of Effingham County, the City of Guyton, the City of Rincon and the City of Springfield. The residents of Effingham County and its Municipalities were also encouraged to participate in the Public Hearings, Information Meetings and the surveys that were performed throughout the County and Cities. The Joint Comprehensive Solid Waste Management Plan for Effingham County and the Cities of Guyton, Rincon and Springfield will be sent to the Coastal Georgia Regional Development Center and the Department of Community Affairs to begin the review process.

FACTS AND FINDINGS:

Effingham County and the Cities of Guyton, Rincon and Springfield first worked to implement a multi-jurisdictional solid waste plan in June of 1993. In August of 1999, the County and Cities amended the plan by adopting a Short Term Work Plan Update, Implementation Strategy and a Report of Accomplishments. This plan is an update to that document and covers the period from 2007-2016. The five plan elements are waste reduction, collection, disposal, land limitation, and public involvement and education. These elements shall be preceded by a waste stream analysis, plan consistency requirement and followed by an implementation schedule.

ALTERNATIVES:

1. Approve Resolution to transmit the updated Joint Comprehensive Solid Waste Management Plan for Effingham County; and submit the plan to the Coastal Georgia Regional Development Center and the Department of Community Affairs to begin the review process.
2. Do not approve of the transmittal or draft review.

FUNDING: No funds required

POLICY ANALYSIS:

It is the policy of the Board of Commissioners to ensure that comprehensive solid waste management is planned for in an efficient manner for the residents and for the protection of natural resources of Effingham County.

RECOMMENDATION:

I recommend that the Board of Commissioners approve of Alternative one and approve the Resolution to; transmit the updated Joint Comprehensive Solid Waste Management Plan for Effingham County and the Cities of Guyton, Rincon and Springfield; and submit the plan to the Coastal Georgia Regional Development Center and the Department of Community Affairs to begin the review process.

STATE OF GEORGIA
COUNTY OF EFFINGHAM

MAR 19 2003
E: 11:57
COF: 11:57

RESIDENTIAL SOLID WASTE SERVICES, COLLECTION AND DISPOSAL

THIS CONTRACT FOR SOLID WASTE COLLECTION SERVICE (this "Agreement") is made and entered into on February 27, 2003, by and between Effingham County, a political subdivision of the State of Georgia, by and through its Board of Commissioners, hereinafter referred to as "County," and Republic Waste of Georgia, LLC, d/b/a Republic Waste Services of Savannah, a Georgia limited liability company, or its legal successors, acting by and through its duly authorized officers, hereinafter referred to as "Contractor."

WHEREAS, it is necessary for County to promote, preserve and protect the public health of its citizens; and

WHEREAS, the removal of garbage, rubbish and other waste material generated by residential premises within the unincorporated areas of Effingham County is a valid exercise of County's police power; and

WHEREAS, the granting of a contract to a private corporation for the collection and disposal of solid waste is a valid function of County; and

WHEREAS, County and Contractor are desirous of entering into an agreement, under the terms of which Contractor shall provide for the collection and disposal of all residential solid waste (as hereinafter defined) generated within the County for a specified period of time; and

WHEREAS, County and Contractor have agreed to the conditions, terms, rates, provisions and considerations under which Contractor shall perform such solid waste collection and disposal services as herein set out, and for the compensation as hereinafter provided; and

WHEREAS, it is the intent of the County that the owner or occupant of every residential premises in the unincorporated area of the County shall pay the County for and utilize the solid waste collection and disposal services provided by Contractor; and

WHEREAS, County shall bill and collect the fees for Contractor's services from Effingham County residents and the County will compensate Contractor for solid waste collection and disposal services to all residential premises in the County.

THEREFORE, County and Contractor agree as follows:

SCOPE OF WORK

The work under this Agreement shall consist of the work and services to be performed in the collection and disposal of residential solid waste generated by residential premises in the unincorporated areas of the County and the collection and disposal of commercial solid waste from those commercial premises designated by the County to receive Contractor's service, including all the supervision, materials, equipment, labor and all other items necessary to complete said work and services in accordance with the terms of this Agreement.

TERM

The term of this Agreement shall begin on January 1, 2003, and shall continue for a period of five (5) years thereafter. At the conclusion of the Initial Term hereof, this Agreement shall renew for an additional five (5) year term ("Renewal Term"), unless the County or Contractor provides written notice to the other party not less than 60 days before the end of the then current term. The same terms and conditions as those applicable to the Initial Term of the Agreement shall apply to the Renewal Term except for the payment of compensation which shall be renegotiated by the parties pursuant to the Compensation paragraph contained herein.

COLLECTION SERVICE BASE SERVICE

Contractor shall furnish one (1) 90 gallon, or more, cart to every residential premises suitable for occupancy in the unincorporated area of the County and to eligible commercial premises designated by the County. It shall be the responsibility of the occupant of the residential premises and eligible commercial premises to properly use and safeguard the cart. Contractor shall maintain carts in reasonably good condition and collect solid wastes placed in the carts from the residential premises and eligible commercial premises once each week. The Contractor shall have the right to charge occupants (or the County) for the cost of repair or replacement of carts, if such repair or replacement is required as a result of abuse of damage, fire, or theft. The amount charged a resident (or the County) for cart replacement shall not exceed Contractor's cost for the cart plus delivery. Occupants of residential premises may request one or more additional carts for an additional volume of collection service. Residential premises and eligible commercial premises occupants shall place the carts within 3 feet of the roadway no later than 7:00 a.m. on the day of collection and remove the cart from the vicinity of the roadway after collection by the Contractor.

Occupants shall pay County for each additional weekly cart and other collection and service at the applicable charge designated by the County and the County shall compensate Contractor for the additional service at the applicable rate of compensation set forth in Exhibit "A".

ADDITIONAL SERVICE PROVIDED

If the Board so designates, the Contractor shall collect designated recycled materials at curbside and oversized refuse items that will not fit in the cart, including broken furniture and white goods, hereinafter bulky waste, from residential premises within 48 working day hours of notice. The Board may provide separate collection of mixed, recyclable materials once per month from standardized containers provided by residential premises occupant. The Board may also provide for curbside collection of bulky waste materials.

In the event the Board provides additional collection service, the specifications, terms, price, and conditions of such collections shall be set forth in an amended Exhibit "A".

COMMERCIAL SERVICE

Contractor shall provide one cart and shall provide commercial solid waste collection and disposal service one (1) time per week at roadside on Contractor's scheduled collection day to eligible commercial premises that subscribe to the County for such service. To be eligible for Contractor's service, a commercial premise shall not generate more than an average of 100 pounds of commercial solid waste per week, and all commercial solid waste must be suitable to be stored in a cart. Collection service to commercial premises shall not include collection of yard trash, recyclable materials or bulky waste. The County shall direct Contractor to provide the cart and collection service to eligible commercial premises and shall compensate Contractor by the applicable rate of compensation set forth in Exhibit "A".

COUNTY DROP-OFF CENTER

The County provides a drop-off center for County residents on Courthouse Road. Residents bring bulky items and household trash for disposal and other items that are recycled. Contractor will provide roll-off containers for the removal of bulky items and household trash. Compensation for this service will be set forth in Exhibit "A." The County will contact the Contractor by phone to empty roll offs and deliver new ones. The Contractor will make its best effort to respond to the County's request within 24 hours of receiving said call.

From time to time, the County may change its drop-off center and recycling programs. Contractor will assist County in implementing changes to these programs. Any additional costs incurred by Contractor will be compensated by County with rates to be negotiated.

On a designated day, once per year, Contractor will provide free disposal during County clean-ups for material collected at drop-off centers. Material will be hauled in containers provided by Contractor and taken to Contractor's designated disposal site. Haul charges will remain in effect as per Exhibit "A."

ACCESS

Contractor shall provide collection services to all residential premises located on publicly owned roadways and privately owned roadways where the owner(s) grants written permission. Such roadways shall be accessible to waste collection vehicles. Privately owned roadways where the owner grants permission for collection of solid waste shall be maintained by the owner. Occupants of residential premises located on roadways inaccessible to Contractor's collection vehicles shall place residential solid waste in carts at an accessible location on a properly maintained roadway.

Elderly and Disabled

Contractor shall provide side door or back door collection service to elderly or disabled residents as designated by the County who are physically unable to place the cart at roadside. Such exceptions for elderly and disabled residents will be granted by the County only if there is no other occupant of the residential premises physically capable of placing the cart at roadside and the resident provides an affidavit or other documentation from a physician certifying the physical limitation or disability. In no event will side door or back door service be provided at a distance of more than 150 feet from the public roadway. In those events where side door or back door service is provided pursuant to this Section, the occupant may use the cart for storage of residential solid waste, but must place the residential solid waste in bags.

Inaccessible Premises

Contractor and the occupant of a residential premises not conveniently accessible to a public or private right of way or not having a suitable location at roadside for placement of carts or other residential solid waste shall agree on the manner and location for the collection of residential solid waste from such residential premises. Such agreement, for example, may require that Contractor collect residential solid waste in bags placed at a convenient location within 25 feet of roadside.

Limitation on Number of Exceptional Service Locations

The Contractor shall cooperate with the County and with the occupants of residential premises having exceptional collection service requirements described herein and shall provide such exceptional services as required, provided, however, that the total number of elderly and disabled receiving exceptional services and the total number of inaccessible premises receiving exceptional services shall not, in the aggregate, exceed three percent (3%) of the total number of residential premises in the County.

ROUTES AND HOURS OF COLLECTION OPERATION

Hours of Operation

Collection of residential solid waste shall not start before 7:00 a.m. nor continue after 7:00 p.m. on the same day.

Routes of Collection

The Contractor shall establish collection routes. Contractor shall submit a map designating the collection routes with days of collection to the County for its approval, which approval shall not be unreasonably withheld. Prior to commencement of collection services under this Agreement, the

Contractor will, at its expense, notify each residential premises individually of the scheduled collection day or any changes thereto for the duration of this Agreement. The Contractor may from time to time request County approval of changes in routes or days of collection, which approval shall not be unreasonably withheld. Upon County approval of the proposed changes, Contractor shall promptly give written or published notice to the affected residential premises.

Holidays

The following shall be holidays for the purpose of this Agreement:

- New Year's Day
- Independence Day
- Labor Day
- Thanksgiving Day
- Christmas Day

Contractor may elect to work or observe any of the above-designated holidays. If Contractor observes the holiday, Contractor shall remain obligated to provide collection service at least once per week. The Contractor will not be allowed Sunday collection except in emergency situations approved by County.

Complaints

Contractor shall furnish each residential premise with instructions for contacting Contractor by telephone over a local line for information or for service complaints. All complaints shall be made directly to the Contractor, and shall be given prompt and courteous attention. If the case of alleged missed scheduled collections, the Contractor shall investigate and, if such complaint is verified, shall arrange for the collection of the residential solid waste not collected within 24 hours after the complaint is received.

Collection Equipment and Personnel

The Contractor shall provide an adequate number of vehicles for regular collection services. All vehicles and other equipment shall be kept in good repair, appearance and in a sanitary condition at all times. Each vehicle shall have clearly visible on each side the identity and telephone number of the Contractor. All solid waste hauled by the Contractor shall be so contained, tied, covered, or enclosed such that leaking, spilling, or blowing are prevented.

Office

Contractor shall maintain an office or other facilities through which it can be contacted. It shall be equipped with sufficient local service telephones and shall have a responsible person in charge from 8:00 a.m. to 5:00 p.m. on Monday through Friday of each week, except holidays. Voice mail service will be available at all other times.

DISPOSAL

Contractor shall be responsible for the proper disposal of Residential Solid Waste and Commercial Solid Waste at a properly permitted transfer station or sanitary landfill provided for by Contractor or its designated agent.

COMPENSATION

Rates of Compensation for Five (5) Year Term

Contractor shall be paid by the County for residential solid waste collection and disposal services provided hereunder by the rates of compensation and Consumer Price Index for all urban consumers (CPI) rate adjustment procedure set forth in Exhibit "A", attached hereto and made a part hereof, during the five (5) year term of this Agreement. In the event that County and Contractor agree to extend or renew this Agreement for additional terms, the rates of compensation to be paid to Contractor during such terms shall be negotiated and agreed upon by the County and Contractor.

Delinquent and Closed Accounts

Upon written notice from the County, the Contractor shall temporarily discontinue waste collection service at any residential premises and eligible commercial premises. This shall serve as a means of assisting the County in the collection of delinquent accounts. Upon further notification by the County, the contractor shall resume waste collection service on the next regularly scheduled collection day. The County shall indemnify and hold the Contractor harmless from any claims, suits, damages, liabilities or expenses (including but not limited to expenses of investigation and attorney's fees) resulting from the Contractor's discontinuing service at any location at the direction of the County.

Contractor Billings to County

The Contractor shall invoice the County each month for collection service rendered within ten (10) days following the end of the month. The County shall pay the Contractor within 30 days of the date of the invoice. Such billing and payment shall be based on the total number of residential premises in the collection service area of the County and the total number of commercial premises served and the applicable rates of Compensation set forth in Exhibit "A" hereto. The Contractor shall be entitled to payment for services rendered irrespective of whether or not the County collects payment from the owner or occupant for such service.

NON-DISCRIMINATION

In the performance of the work and services to be performed under the terms hereof, the contractor covenants and agrees not to discriminate against any person because of race, sex, creed, color, religion or national origin.

INDEMNITY

The Contractor will indemnify, hold harmless, and defend the County, its officers, agents, servants, and employees from and against any and all suits, actions, legal proceedings, claims, demands,

damages, costs, expenses, and reasonable attorney's fees incidental to any work done in the performance of this Franchise arising out of a willful or negligent act or omission of the Contractor, its officers, agents, servants and employees; provided, however, that the County will indemnify, hold harmless and defend the Contractor, its parent corporation and their respective officers, agents, servants and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses and reasonable attorney's fees arising out of a willful or negligent act or omission of the County, its officers, agents, servants and employees.

FORCE MAJEURE

Except for the obligation to pay for services rendered, neither party hereto shall be liable for failure to perform hereunder due to contingencies beyond its control, including, but not limited to, strikes, riots, war, fire, acts of God (including without limitation flood, hurricane, tornado or storm), compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or instrumentality thereof, whether now existing or hereafter created (collectively referred to as "Force Majeure Event"). In addition, the performance required under this Contract does not include the collection or disposal of any increased volume of solid wastes resulting from a Force Majeure Event, the Contractor will vary routes and schedule as may be deemed necessary. In addition, the County and Contractor shall negotiate the amounts to be paid Contractor for services to be performed as a result of increased volumes resulting from a Force Majeure Event or any other event over which Contractor has no control.

LICENSES AND TAXES

The Contractor shall obtain all licenses and permits and promptly pay all taxes required by the County and State. During the term of the Agreement, the Contractor is subject to all applicable taxes and surcharges in effect on commercial hauling businesses and establishments within County.

OWNERSHIP OF WASTE

Ownership of residential solid waste shall be deemed to be the property of Contractor upon the collection and placement of the residential solid waste in Contractor's vehicle pursuant to this Agreement.

INSURANCE

The Contractor shall at all times during the Agreement maintain in full force and effect Employer's Liability, Workmen's Compensation, Public Liability, and Property Damage Insurance, including contractual liability coverage for the provisions of this Section.

INSURANCE INDEMNITY

All insurance shall be by insurers and for policy limits acceptable to the County and before commencement of work hereunder the Contractor agrees to furnish the County certificates of insurance or other evidence satisfactory to the County to the effect that such insurance has been procured and is in force. The certificates shall contain the following express obligation: "This is to certify that the policies of insurance described herein have been issued to the insured for whom this certificate is executed and are in force at this time. In the event of cancellation or material change in a policy affecting the certificate holder, thirty (30) days prior written notice will be given the certificate holder. For the purpose of this Agreement, the Contractor shall carry the following types of insurance in at least the limits specified below:

COVERAGES AND LIMITS OF LIABILITY

Workmens' Compensation - Statutory

Employer's Liability	\$ 500,000
Bodily Injury Liability	\$ 500,000 each occurrence
Except Automobile	\$1,000,000 aggregate
Property Damage Liability	\$ 500,000 each occurrence
Except Automobile	\$ 500,000 each occurrence

Automobile Bodily Injury

Liability	\$ 500,000 each person \$1,000,000 each occurrence
Automobile Property Damage	\$ 500,000 each occurrence

Liability

Excess Umbrella Liability	\$5,000,000 each occurrence
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As an alternative to the above, Contractor may insure the above public liability and property coverages under a plan of self-insurance, subject to the approval of the County. Each insurance policy with respect to public liability insurance may provide for a self-insured retention of an amount of \$500,000, with the result that the Contractor is its own insurer to that extent. The coverages may be provided directly by the Contractor or an affiliated corporation.

Performance Bond

The Contractor shall furnish a corporate surety bond as security for the performance of this Agreement. Said surety bond shall be in the amount of \$250,000.

Premium for the bond(s) described above shall be paid by the Contractor. Contractor shall furnish a certificate from the surety showing that the bond premium has been paid in full.

The surety on the bond shall be a duly authorized corporate surety company approved to do business in the State of Georgia.

Power of Attorney

Attorneys in fact who sign performance bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

INCLUSION OF MUNICIPALITIES

Contractor agrees that each municipality in the County may elect to receive Contractor's residential solid waste collection and disposal service pursuant to a separate agreement between the municipality and Contractor under the same terms, conditions, levels of service and rates of compensation as specified in Exhibit "A" II of the formal price solicitation of January 1, 2003.

COMPLIANCE WITH LAW

The Contractor shall conduct operations under this Agreement in compliance with all applicable laws, including without limitation, ordinances, laws and statutes of the County, state and federal governments; provided, however, that the Agreement shall govern the obligations of the Contractor where there exist conflicting ordinances of the County on the subject. In the event that the collection or disposal of any solid waste hereunder shall become restricted or prohibited by any applicable law, ordinance, rule or regulation, such type of waste shall be eliminated from the requirements and provisions of this Agreement.

ASSIGNMENT

Contractor's rights accruing under this Agreement may be assigned in whole or in part by the Contractor with the prior written approval or consent of the County. As a condition of such assignment, the assignee shall agree to assume the obligations of Contractor hereunder.

EXCLUSIVE CONTRACT

The County agrees that so long as Contractor is not in default hereunder, it will not enter into any agreement with any other entity for performance of residential solid waste collection and disposal services during the term hereof or any renewal terms.

AMENDMENTS AND ADJUSTMENTS

The County and Contractor agree that any amendments or modifications to this Agreement shall be in writing and executed by both parties.

The County and Contractor further agree that the unit or residential premises charge of this Agreement shall be adjusted annually pursuant to the schedule set forth in Exhibit "A" attached hereto, or the inflation rate escalator, whichever is the smaller value. The Contractor further agrees that no increase in the price charged per unit or residential premises or unit shall take effect before January 1, 2005. Within thirty (30) days prior to the effective date of increase, the Contractor shall submit the proposed adjustment to the County Administrator for consideration by the County.

TERMINATION

In the event of an alleged material breach of this Agreement, the County shall provide written notice of such breach to the Contractor, to be delivered by certified mail, return receipt requested. If within 20 days from receipt of such notice, the contractor has either failed to correct the condition or reach an agreement with the County on a mutually satisfactory solution, then the County may, within 30 days, require the contractor to appear before the Board of Commissioners, at either a regular or specially called meeting, to show cause why the Contractor should not be terminated. After such meeting, the Board may elect to provide written notice to the Contractor that the Agreement will be terminated 30 days from the receipt of such notice or extend the time to allow Contractor to cure the breach, or impose sanctions or other remedies without terminating the Agreement.

MISCELLANEOUS PROVISIONS

Notices

All notices and demand herein required shall be in writing. Whenever any notice, demand or request is required or permitted hereunder, such notice, demand or request shall be faxed, hand delivered personally, sent by express mail or courier service, or sent by United States Mail registered or certified, postage prepaid, to the address set forth below.

As to County:

Effingham County Board of Commissioners
Post Office Box 307 601 North Laurel Street
Springfield, Georgia 31329

As to Contractor:

Republic Waste of Georgia, LLC, d/b/a
Republic Waste Services of Savannah
Post Office Box 4144
Port Wentworth, Georgia 31407

Any notice, demand or request which shall be served upon either of the parties in the manner aforesaid shall be deemed sufficiently given for all purposes hereunder (1) at the time such notices, demands or requests are hand delivered, or (2) on the day such notices, demands or requests are posted, postage prepaid, in the United States Mail in accordance with the preceding portion of this Section; provided, however, the time for response to any notice, demand or request shall commence three days after such posting or upon actual receipt, whichever is later.

Choice of Law

This Agreement shall be construed in accordance with and governed for all purposes by the laws of the State of Georgia, excluding the laws applicable to conflicts or choice of law.

Entire Agreement

This Agreement contains the entire agreement between the parties relating to the rights herein granted and the obligations herein assumed. Any oral representation or modifications concerning this instrument shall be of no force or effect and this Agreement may not be amended except by a subsequent modification in writing, signed by the parties hereto.

Severability

If any part of this Agreement for any reason is declared invalid, such decision shall not affect the validity of any remaining portion, which remaining portion shall remain in force and effect as if this contract had been executed with the invalid portion thereof eliminated. It is hereby declared the intention of the parties that they would have executed the remaining portion of this Agreement without including any such part, parts or portions which may, for any reason, be hereinafter declared invalid.

County's Authority

The parties signing this Agreement on behalf of the County have been authorized to do so by specific action of the Effingham County Board of Commissioners adopted in open meeting and of record in its official minutes.

EXECUTED this 27 day of February, 2003.

Susan G. Anderson
Witness

W. J. [Signature]
Chairman

BOARD OF COMMISSIONERS OF EFFINGHAM COUNTY, GEORGIA

By: Effingham County Board of Commissioners
Name: Gregg Houze
Title: Chairman, Effingham County Board of Commissioners
Witness: Susan G. Anderson
Title: Purchasing Director

REPUBLIC WASTE OF GEORGIA, LLC, d/b/a
REPUBLIC WASTE SERVICES OF SAVANNAH

By: Richard J. Childers General Manager

Signed, sealed, and witnessed
this 14 day of March
2003.

[Signature]
Notary Public

EXHIBIT A

Price Sheets with Service Add-ons
and Options for the
Unincorporated Area of
Effingham County, Georgia

Pricing Sheet for Specified Services in the Unincorporated Area of Effingham County, Georgia:

The Unincorporated Area of Effingham County is defined as all that area lying outside the boundaries of the incorporated municipalities of Guyton, Rincon, and Springfield.

First two years of the contract 1/01/2003 to 1/01/2005

90 or more gallon residential roll-out cart price (cart included in base price)

- a. Base price for roll-out cart collection and disposal of solid waste once per week for one month from one residential unit \$8.26.
- b. A second roll-out cart collection of garbage and rubbish for one month from one residential unit \$ 2.95.
- c. Drop-Off Center: Haul rate for roll-off containers to SRIL landfill is \$130.00. Disposal rate at Savannah Regional Industrial Landfill is \$27.00 per ton. Consumer Price Index adjustment for disposal and haul will be subject to same terms as cart service.
- d. Additional cost reimbursement to Contractor associated with such programs will be negotiated between County and Contractor. Contractor will give best effort to County in cooperating in establishing drop off center recycling programs to include the removal of newspaper, cardboard, aluminum, and steel.
- e. Free disposal will be allowed one day per year at convenient center waste for county cleanups going to Savannah Regional Industrial Landfill. This does not include tires or other non-conforming waste.

Contract Term Escalator:

The Contractor may adjust the annual prices for solid waste collection services by the lesser of the consumer price index (CPI) for all urban consumers - south or three percent (3%). The Contractor shall provide to the County written notice of such price increases which will take effect on the anniversary date of the effective date of this Agreement and shall continue each year until the end of the Initial Term at which time a new compensation provision shall be negotiated by the parties for the Renewal Term.

COPY

STATE OF GEORGIA
CITY OF GUYTON

RESIDENTIAL SOLID WASTE SERVICES, COLLECTION AND DISPOSAL

THIS CONTRACT FOR SOLID WASTE COLLECTION SERVICE (this "Agreement") is made and entered into on April 8, 2003, by and between the City of Guyton, a political subdivision of the State of Georgia, by and through its Mayor and City Council, hereinafter referred to as "City," and Republic Waste of Georgia, LLC, d/b/a Republic Waste Services of Savannah, a Georgia limited liability company, or its legal successors, acting by and through its duly authorized officers, hereinafter referred to as "Contractor."

~~WHEREAS, it is necessary for City to promote, preserve and protect the public health of its citizens; and~~

WHEREAS, the removal of garbage, rubbish and other waste material generated by residential premises within the incorporated areas of City is a valid exercise of City's police power; and

WHEREAS, the granting of a contract to a private corporation for the collection and disposal of solid waste is a valid function of City; and

WHEREAS, City and Contractor are desirous of entering into an agreement, under the terms of which Contractor shall provide for the collection and disposal of all residential solid waste (as hereinafter defined) generated within the City for a specified period of time; and

WHEREAS, City and Contractor have agreed to the conditions, terms, rates, provisions and considerations under which Contractor shall perform such solid waste collection and disposal services as herein set out, and for the compensation as hereinafter provided; and

WHEREAS, it is the intent of the City that the owner or occupant of every residential premises in the unincorporated area of the City shall pay the City for and utilize the solid waste collection and disposal services provided by Contractor; and

WHEREAS, City shall bill and collect the fees for Contractor's services from City residents and the City will compensate Contractor for solid waste collection and disposal services to all residential premises in the City.

THEREFORE, City and Contractor agree as follows:

SCOPE OF WORK

The work under this Agreement shall consist of the work and services to be performed in the collection and disposal of residential solid waste generated by residential premises in the incorporated areas of the City and the collection and disposal of commercial solid waste from those commercial premises designated by the City to receive Contractor's service, including all the supervision, materials, equipment, labor and all other items necessary to complete said work and services in accordance with the terms of this Agreement.

TERM

The term of this Agreement shall begin on March 1, 2003, and shall continue for a period of five (5) years thereafter. At the conclusion of the Initial Term hereof, ~~this Agreement shall renew for an additional five (5) year term ("Renewal Term")~~, unless the City or Contractor provides written notice to the other party not less than 60 days before the end of the then current term. The same terms and conditions as those applicable to the Initial Term of the Agreement shall apply to the Renewal Term except for the payment of compensation which shall be renegotiated by the parties pursuant to the Compensation paragraph contained herein.

COLLECTION SERVICE BASE SERVICE

Contractor shall furnish one (1) 90 gallon, or more, cart to every residential premises suitable for occupancy in the incorporated area of the City and to eligible commercial premises designated by the City. It shall be the responsibility of the occupant of the residential premises and eligible commercial premises to properly use and safeguard the cart. Contractor shall maintain carts in reasonably good condition and collect solid wastes placed in the carts from the residential premises and eligible commercial premises once each week. The Contractor shall have the right to charge occupants for the cost of repair or replacement of carts, if such repair or replacement is required as a result of abuse of damage, fire, or theft. The amount charged a resident for cart replacement shall not exceed Contractor's cost for the cart plus delivery. Occupants of residential premises may request one or more additional carts for an additional volume of collection service. Residential premises and eligible commercial premises occupants shall place the carts within 10 feet of the roadway no later than 7:00 a.m. on the day of collection and remove the cart from the vicinity of the roadway after collection by the Contractor.

Occupants shall pay City for each additional weekly cart and other collection and service at the applicable charge designated by the City and the City shall compensate Contractor for the additional service at the applicable rate of compensation set forth in Exhibit "A".

ADDITIONAL SERVICE PROVIDED

Contractor shall collect oversized refuse items that will not fit in the cart, including broken furniture and white goods (hereinafter "bulky waste") from residential premises within 48 working day hours of notice. Occupants of residential premises must telephone Contractor at least two (2) working days prior to the scheduled collection day to request collection of bulky waste. Bulky waste shall be placed at roadside by 7:00 a.m. on the designated collection day. Contractor shall be responsible for proper disposal of all bulky waste.

For the City of Guyton, the contractor shall collect yard trash from each residential premises one (1) time every other week, 48 times per year, at roadside. The occupant of the residential premises shall cut tree limbs, logs and brush into pieces no more than five (5') feet in length or forty (40) pounds in weight. Leaves, grass clippings, tree and shrubbery trimmings and other small pieces shall be placed in a bag. The occupant of the residential premises shall place yard trash at roadside by 7:00 a.m. on the designated collection day. Contractor shall not be responsible for collection of yard trash not properly prepared or containerized or not in the proper location at roadside.

COMMERCIAL SERVICE

Contractor shall provide one cart and shall provide commercial solid waste collection and disposal service one (1) time per week at roadside on Contractor's scheduled collection day to eligible commercial premises that subscribe to the City for such service. To be eligible for Contractor's service, a commercial premise shall not generate more than an average of 100 pounds of commercial solid waste per week, and all commercial solid waste must be suitable to be stored in a cart. Collection service to commercial premises shall not include collection of yard trash, recyclable materials or bulky waste. The City shall direct Contractor to provide the cart and collection service to eligible commercial premises and shall compensate Contractor by the applicable rate of compensation set forth in Exhibit "A".

ACCESS

Contractor shall provide collection services to all residential premises located on publicly owned roadways and privately owned roadways where the owner(s) grants written permission. Such roadways shall be accessible to waste collection vehicles. Privately owned roadways where the owner grants permission for collection of solid waste shall be maintained by the owner. Occupants of residential premises located on roadways inaccessible to Contractor's collection vehicles shall place residential solid waste in carts at an accessible location on a properly maintained roadway.

Elderly and Disabled

Contractor shall provide side door or back door collection service to elderly or disabled residents as designated by the City who are physically unable to place the cart at roadside. Such exceptions for elderly and disabled residents will be granted by the City only if there is no other occupant of the residential premises physically capable of placing the cart at roadside and the resident provides an

affidavit or other documentation from a physician certifying the physical limitation or disability. In no event will side door or back door service be provided at a distance of more than 150 feet from the public roadway. In those events where side door or back door service is provided pursuant to this Section, the occupant may use the cart for storage of residential solid waste, but must place the residential solid waste in bags.

Inaccessible Premises

Contractor and the occupant of a residential premises not conveniently accessible to a public or private right of way or not having a suitable location at roadside for placement of carts or other residential solid waste shall agree on the manner and location for the collection of residential solid waste from such residential premises. Such agreement, for example, may require that Contractor collect residential solid waste in bags placed at a convenient location within 25 feet of roadside.

Limitation on Number of Exceptional Service Locations

The Contractor shall cooperate with the City and with the occupants of residential premises having exceptional collection service requirements described herein and shall provide such exceptional services as required, provided, however, that the total number of elderly and disabled receiving exceptional services and the total number of inaccessible premises receiving exceptional services shall not, in the aggregate, exceed three percent (3%) of the total number of residential premises in the City.

ROUTES AND HOURS OF COLLECTION OPERATION

Hours of Operation

Collection of residential solid waste shall not start before 7:00 a.m. nor continue after 7:00 p.m. on the same day.

Routes of Collection

The Contractor shall establish collection routes. Contractor shall submit a map designating the collection routes with days of collection to the City for its approval, which approval shall not be unreasonably withheld. Prior to commencement of collection services under this Agreement, the Contractor will, at its expense, notify each residential premises individually of the scheduled collection day or any changes thereto for the duration of this Agreement. The Contractor may from time to time request City approval of changes in routes or days of collection, which approval shall not be unreasonably withheld. Upon City approval of the proposed changes, Contractor shall promptly give written or published notice to the affected residential premises.

Holidays

The following shall be holidays for the purpose of this Agreement:

- New Year's Day
- Independence Day
- Labor Day
- Thanksgiving Day
- Christmas Day

Contractor may elect not to work or observe any of the above-designated holidays. If Contractor observes the holiday, Contractor shall remain obligated to provide collection service at least once per week. The Contractor will not be allowed Sunday collection except in emergency situations approved by City.

Complaints

Contractor shall furnish each residential premise with instructions for contacting Contractor by telephone over a local line for information or for service complaints. All complaints shall be made directly to the Contractor, and shall be given prompt and courteous attention. If the case of alleged missed scheduled collections, the Contractor shall investigate and, if such complaint is verified, shall arrange for the collection of the residential solid waste not collected within 24 hours after the complaint is received. A list of complaints with actions taken in response shall be provided to City monthly.

Collection Equipment and Personnel

The Contractor shall provide an adequate number of vehicles for regular collection services. All vehicles and other equipment shall be kept in good repair, appearance and in a sanitary condition at all times. Each vehicle shall have clearly visible on each side the identity and telephone number of the Contractor. All solid waste hauled by the Contractor shall be so contained, tied, covered, or enclosed such that leaking, spilling, or blowing are prevented.

Office

Contractor shall maintain an office or other facilities through which it can be contacted. It shall be equipped with sufficient local service telephones and shall have a responsible person in charge from 8:00 a.m. to 5:00 p.m. on Monday through Friday of each week, except holidays. Voice mail service will be available at all other times.

DISPOSAL

Contractor shall be responsible for the proper disposal of Residential Solid Waste and Commercial Solid Waste at a properly permitted transfer station or sanitary landfill provided for by Contractor or its designated agent.

COMPENSATION

Rates of Compensation for Five (5) Year Term

Contractor shall be paid by the City for residential solid waste collection and disposal services provided hereunder by the rates of compensation and Consumer Price Index for all urban consumers (CPI) rate adjustment procedure set forth in Exhibit "A", attached hereto and made a part hereof, during the five (5) year term of this Agreement. In the event that City and Contractor agree to extend or renew this Agreement for additional terms, the rates of compensation to be paid to Contractor during such terms shall be negotiated and agreed upon by the City and Contractor.

Delinquent and Closed Accounts

Upon written notice from the City, the Contractor shall temporarily discontinue waste collection service at any residential premises and eligible commercial premises. This shall serve as a means of assisting the City in the collection of delinquent accounts. Upon further notification by the City, the contractor shall resume waste collection service on the next regularly scheduled collection day. The City shall indemnify and hold the Contractor harmless from any claims, suits, damages, liabilities or expenses (including but not limited to expenses of investigation and attorney's fees) resulting from the Contractor's discontinuing service at any location at the direction of the City.

Contractor Billings to City

The Contractor shall invoice the City each month for collection service rendered within ten (10) days following the end of the month. The City shall pay the Contractor within 30 days of the date of the invoice. Such billing and payment shall be based on the total number of residential premises in the collection service area of the City and the total number of commercial premises served and the applicable rates of Compensation set forth in Exhibit "A" hereto. The Contractor shall be entitled to payment for services rendered irrespective of whether or not the City collects payment from the owner or occupant for such service.

NON-DISCRIMINATION

In the performance of the work and services to be performed under the terms hereof, the contractor covenants and agrees not to discriminate against any person because of race, sex, creed, color, religion or national origin.

INDEMNITY

The Contractor will indemnify, hold harmless, and defend the City, its officers, agents, servants, and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses, and reasonable attorney's fees incidental to any work done in the performance of this Agreement arising out of a willful or negligent act or omission of the Contractor, its officers, agents, servants and employees; provided, however, that the City will indemnify, hold harmless and defend the Contractor, its parent corporation and their respective officers, agents, servants and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses and reasonable attorney's fees arising out of a willful or negligent act or omission of the City, its officers, agents, servants and employees.

FORCE MAJEURE

Except for the obligation to pay for services rendered, neither party hereto shall be liable for failure to perform hereunder due to contingencies beyond its control, including, but not limited to, strikes, riots, war, fire, acts of God (including without limitation flood, hurricane, tornado or storm), compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or instrumentality thereof, whether now existing or hereafter created (collectively referred to as "Force Majeure Event"). In addition, the performance

required under this Contract does not include the collection or disposal of any increased volume of solid wastes resulting from a Force Majeure Event, the Contractor will vary routes and schedule as may be deemed necessary. In addition, the City and Contractor shall negotiate the amounts to be paid Contractor for services to be performed as a result of increased volumes resulting from a Force Majeure Event or any other event over which Contractor has no control.

LICENSES AND TAXES

~~The Contractor shall obtain all licenses and permits and promptly pay all taxes required by the City and State. During the term of the Agreement, the Contractor is subject to all applicable taxes and surcharges in effect on commercial hauling businesses and establishments within City.~~

OWNERSHIP OF WASTE

~~Ownership of residential solid waste shall be deemed to be the property of Contractor upon the collection and placement of the residential solid waste in Contractor's vehicle pursuant to this Agreement.~~

INSURANCE

The Contractor shall at all times during the Agreement maintain in full force and effect Employer's Liability, Workmen's Compensation, Public Liability, and Property Damage Insurance, including contractual liability coverage for the provisions of this Section.

INSURANCE INDEMNITY

All insurance shall be by insurers and for policy limits acceptable to the City and before commencement of work hereunder the Contractor agrees to furnish the City certificates of insurance or other evidence satisfactory to the City to the effect that such insurance has been procured and is in force. The certificates shall contain the following express obligation: "This is to certify that the policies of insurance described herein have been issued to the insured for whom this certificate is executed and are in force at this time. In the event of cancellation or material change in a policy affecting the certificate holder, thirty (30) days prior written notice will be given the certificate holder. For the purpose of this Agreement, the Contractor shall carry the following types of insurance in at least the limits specified below:

COVERAGES AND LIMITS OF LIABILITY

Workmens' Compensation - Statutory

Employer's Liability	\$ 500,000
Bodily Injury Liability	\$ 500,000 each occurrence

Except Automobile	\$1,000,000 aggregate
Property Damage Liability	\$ 500,000 each occurrence
Except Automobile	\$ 500,000 each occurrence
<u>Automobile Bodily Injury</u>	
Liability	\$ 500,000 each person
	\$1,000,000 each occurrence
Automobile Property Damage	\$ 500,000 each occurrence

Liability

Excess Umbrella Liability	\$5,000,000 each occurrence
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As an alternative to the above, Contractor may insure the above public liability and property coverages under a plan of self-insurance, subject to the approval of the City. Each insurance policy with respect to public liability insurance may provide for a self-insured retention of an amount of \$500,000, with the result that the Contractor is its own insurer to that extent. The coverages may be provided directly by the Contractor or an affiliated corporation.

Performance Bond

The Contractor shall furnish a corporate surety bond as security for the performance of this Agreement. Said surety bond shall be in the amount of \$50,000.

Premium for the bond(s) described above shall be paid by the Contractor. Contractor shall furnish a certificate from the surety showing that the bond premium has been paid in full.

The surety on the bond shall be a duly authorized corporate surety company approved to do business in the State of Georgia.

Power of Attorney

Attorneys in fact who sign performance bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

COMPLIANCE WITH LAW

The Contractor shall conduct operations under this Agreement in compliance with all applicable laws, including without limitation, ordinances, laws and statutes of the City, state and federal governments; provided, however, that the Agreement shall govern the obligations of the Contractor where there exist conflicting ordinances of the City on the subject. In the event that the collection or disposal of any solid waste hereunder shall become restricted or prohibited by any applicable law,

ordinance, rule or regulation, such type of waste shall be eliminated from the requirements and provisions of this Agreement.

ASSIGNMENT

Contractor's rights arising under this Agreement may be assigned in whole or in part by the Contractor with the prior written approval or consent of the City. As a condition of such assignment, the assignee shall agree to assume the obligations of Contractor hereunder.

EXCLUSIVE CONTRACT

The City agrees that so long as Contractor is not in default hereunder, it will not enter into any agreement with any other entity for performance of residential solid waste collection and disposal services during the term hereof or any renewal terms.

AMENDMENTS AND ADJUSTMENTS

The City and Contractor agree that any amendments or modifications to this Agreement shall be in writing and executed by both parties.

The City and Contractor further agree that the unit or residential premises charge of this Agreement shall be adjusted annually pursuant to the schedule set forth in Exhibit "A" attached hereto, or the inflation rate escalator, whichever is the smaller value. The Contractor further agrees that no increase in the price charged per unit or residential premises or unit shall take effect before March 1, 2005. Within thirty (30) days prior to the effective date of increase, the Contractor shall submit the proposed adjustment to the Mayor and City Council for consideration by the City.

TERMINATION

In the event of an alleged material breach of this Agreement, the City shall provide written notice of such breach to the Contractor; to be delivered by certified mail, return receipt requested. If within 20 days from receipt of such notice, the contractor has either failed to correct the condition or reach an agreement with the City on a mutually satisfactory solution, then the City may, within 30 days, require the contractor to appear before the Mayor and City Council, at either a regular or specially called meeting, to show cause why the Contractor should not be terminated. After such meeting, the Mayor and City Council may elect to provide written notice to the Contractor that the Agreement will be terminated 30 days from the receipt of such notice or extend the time to allow Contractor to cure the breach, or impose sanctions or other remedies without terminating the Agreement.

MISCELLANEOUS PROVISIONS

Notices

All notices and demand herein required shall be in writing. Whenever any notice, demand or request is required or permitted hereunder, such notice, demand or request shall be faxed, hand delivered

personally, sent by express mail or courier service, or sent by United States Mail registered or certified, postage prepaid, to the address set forth below.

As to City:

City of Guyton
310 Central Boulevard
Post Office Box 99
Guyton, Georgia 31312

As to Contractor:

Republic Waste of Georgia, LLC, d/b/a
Republic Waste Services of Savannah
Post Office Box 4144
Port Wentworth, Georgia 31405

Any notice, demand or request which shall be served upon either of the parties in the manner aforesaid shall be deemed sufficiently given for all purposes hereunder (1) at the time such notices, demands or requests are hand delivered, or (2) on the day such notices, demands or requests are posted, postage prepaid, in the United States Mail in accordance with the preceding portion of this Section; provided, however, the time for response to any notice, demand or request shall commence three days after such posting or upon actual receipt, whichever is later.

Choice of Law

This Agreement shall be construed in accordance with and governed for all purposes by the laws of the State of Georgia, excluding the laws applicable to conflicts or choice of law.

Entire Agreement

This Agreement contains the entire agreement between the parties relating to the rights herein granted and the obligations herein assumed. Any oral representation or modifications concerning this instrument shall be of no force or effect and this Agreement may not be amended except by a subsequent modification in writing, signed by the parties hereto.

Severability

If any part of this Agreement for any reason is declared invalid, such decision shall not affect the validity of any remaining portion, which remaining portion shall remain in force and effect as if this contract had been executed with the invalid portion thereof eliminated. It is hereby declared the intention of the parties that they would have executed the remaining portion of this Agreement without including any such part, parts or portions which may, for any reason, be hereinafter declared invalid.

City's Authority

The parties signing this Agreement on behalf of the City have been authorized to do so by specific action of the Mayor and City Council adopted in open meeting and of record in its official minutes.

EXECUTED this 8 day of April, 2003.

CITY OF GUYTON, GEORGIA

[Signature]
Witness

[Signature]
Mayor

Attest:

[Signature]
City ~~Council~~ Clerk

[SEAL]

REPUBLIC WASTE OF GEORGIA, LLC, d/b/a
REPUBLIC WASTE SERVICES OF SAVANNAH

By: [Signature], President

Signed, sealed, and witnessed
this 16 day of April,
2003

[Signature]
Notary Public

EXHIBIT A

Price Sheets with Service Add-ons
and Options for the
Incorporated Area of
City of Guyton, Georgia

Pricing Sheet for Specified Services in the Incorporated Area of City of Guyton, Georgia:

The Incorporated Area of the City of Guyton is defined as all that area lying inside the boundaries of the municipality of the City of Guyton.

First two years of the contract 3/01/2003 to 3/01/2005

90 or more gallon residential roll-out cart price (cart included in base price)

- a. ~~Base price for roll-out cart collection and disposal of solid waste once per week for one month from one residential unit \$8.26.~~
- b. A second roll-out cart collection of garbage and rubbish for one month from one residential unit \$ 2.95.
- c. Yard waste collection every other week 48 times per year \$2.15 per resident per month times the total number of residential units filled.
- d. Base Price per residential household for the collection of bulky waste and appliances shall be negotiated directly with the household.

Contract Term Escalator:

After the first two (2) years of the Contract, the Contractor may adjust the annual prices for solid waste collection services by the lesser of the consumer price index (CPI) for all urban consumers - south or three percent (3%). The Contractor shall provide to the City written notice of such price increases which will take effect on the anniversary date of the effective date of this Agreement and shall continue each year until the end of the Initial Term at which time a new compensation provision shall be negotiated by the parties for the Renewal Term.

STATE OF GEORGIA
TOWN OF RINCON

RESIDENTIAL SOLID WASTE SERVICES, COLLECTION AND DISPOSAL

THIS CONTRACT FOR SOLID WASTE COLLECTION SERVICE (this "Agreement") is made and entered into on this 27th day of October 1997, by and between The Town of Rincon, a political subdivision of the State of Georgia, by and through its Mayor and Town Council, hereinafter referred to as "The Town," and Sullivan Environmental Services, Inc., a Georgia corporation, or its legal successors, acting by and through its duly authorized officers, hereinafter referred to as "Contractor."

WHEREAS, it is necessary for The Town to promote, preserve and protect the public health of its citizens; and

WHEREAS, the removal of garbage, rubbish and other waste material generated by residential premises within the incorporated areas of The Town of Rincon is a valid exercise of The Town's police power; and

WHEREAS, the granting of a contract to a private corporation for the collection and disposal of solid waste is a valid function of The Town; and

WHEREAS, The Town and Contractor are desirous of entering into an agreement, under the terms of which Contractor shall provide for the collection and disposal of all residential solid waste (as hereinafter defined) generated within The Town for a specified period of time; and

WHEREAS, The Town and Contractor have agreed to the conditions, terms, rates, provisions and considerations under which Contractor shall perform such solid waste collection and disposal services as herein set out, and for the compensation as hereinafter provided; and

WHEREAS, it is the intent of The Town that the owner or occupant of every residential premises in the incorporated area of The Town shall pay The Town for and utilize the solid waste collection and disposal services provided by Contractor; and

WHEREAS, The Town shall bill and collect the fees for Contractor's services from The Town of Rincon residents and The Town will compensate Contractor for solid waste collection and disposal services to all residential premises in The Town.

THEREFORE, The Town and Contractor agree as follows:

SCOPE OF WORK

The work under this Agreement shall consist of the work and services to be performed in the collection and disposal of residential solid waste generated by residential premises in

the incorporated areas of The Town and the collection and disposal of commercial solid waste from those commercial premises designated by The Town to receive Contractor's service, including all the supervision, materials, equipment, labor and all other items necessary to complete said work and services in accordance with the terms of this Agreement.

TERM

The term of this agreement shall begin on the date that Contractor first commences residential solid waste collection service and shall continue for a period of one (1) year thereafter. The Town and Contractor shall agree on the date that the Contractor shall commence collection service hereunder. At the conclusion of the one-year term hereof, this agreement shall renew annually for four (4) additional consecutive one (1) year terms unless The Town provides written notice to Contractor not less than 60 days before the end of the then current term. Upon completion of this contract, the term may be extended for an additional five year period, if mutually agreed by both parties.

COLLECTION SERVICE

BASE SERVICE

Contractor shall furnish one (1) 90 gallon, or more, cart to every residential premises suitable for occupancy in the incorporated area of The Town and to eligible commercial premises designated by The Town. It shall be the responsibility of the occupant of the residential premises and eligible commercial premises to properly use and safeguard the cart. Contractor shall maintain carts in reasonably good condition and collect solid wastes placed in the carts from the residential premises and eligible commercial premises once each week.

The Contractor shall have the right to charge occupants (or The Town) for the cost of repair or replacement of carts, if such repair or replacement is required as a result of abuse or damage, fires, or theft. The amount charged a resident (or The Town) for cart replacement shall not exceed Contractor's cost for the cart. Occupants of residential premises may request one or more additional carts for an additional volume of collection service. Residential premises and eligible commercial premises occupants shall place the carts within 2 feet of the roadway no later than 7:00 a.m. on the day of collection and remove the cart from the vicinity of the roadway after collection by the Contractor.

Occupants shall pay The Town for each additional weekly cart and other collection and service at the applicable charge designated by The Town, and The Town shall compensate Contractor for the additional service at the applicable rate of compensation set forth in Exhibit "A".

ADDITIONAL SERVICE PROVIDED

Contractor shall collect oversized refuse items that will not fit in the cart including broken furniture and white goods, hereinafter bulky waste, from residential premises within 48 working day hours of notice. Occupants of residential premises must telephone Contractor at least two (2) working days prior to the scheduled collection day to request collection of bulky waste. Bulky waste shall be placed at roadside by 7:00 a.m. on the

designated collection day. Contractor shall be responsible for proper disposal of all bulky waste.

For the incorporated municipalities of Effingham County, the Contractor shall collect yard trash from each residential premises one (1) time every other week at roadside. The occupant of the residential premises shall cut tree limbs, logs and brush into pieces no more than five (5') feet in length or forty (40) pounds in weight. Leaves, grass clippings, tree and shrubbery trimmings and other small pieces shall be placed in a bag. The occupant of the residential premises shall place yard trash at roadside by 7:00 a.m. on the designated collection day. Contractor shall not be responsible for collection of yard trash not properly prepared or containerized or not in the proper location at roadside.

COMMERCIAL SERVICE

Contractor shall provide one cart and shall provide commercial solid waste collection and disposal service one (1) time per week at roadside on Contractor's scheduled collection day to eligible commercial premises that subscribe to The Town for such service. To be eligible for Contractor's service, a commercial premise shall not generate more than an average of 100 pounds of commercial solid waste per week, and all commercial solid waste must be suitable to be stored in a cart. Collection service to commercial premises shall not include collection of yard trash, recyclable materials or bulky waste. The Town shall direct Contractor to provide the cart and collection service to eligible commercial premises and shall compensate Contractor by the applicable rate of compensation set forth in Exhibit "A".

ACCESS

Contractor shall provide collection services to all residential premises located on publicly owned roadways and privately owned roadways where the owner(s) grants written permission. Such roadways shall be accessible to waste collection vehicles. The Town shall maintain all publicly owned roads and bridges in a condition that affords access by Contractor's waste collection vehicles. Privately owned roadways where the owner grants permission for collection of solid waste shall be maintained by the owner. Occupants of residential premises located on roadways inaccessible to Contractor's collection vehicles shall place residential solid waste in carts at an accessible location on a properly maintained roadway.

ELDERLY AND DISABLED

Contractor shall provide side door or back door collection service to elderly or disabled residents as designated by The Town who are physically unable to place the cart at roadside. Such exceptions for elderly and disabled residents will be granted by The Town only if there is no other occupant of the residential premises physically capable of placing the cart at roadside and the resident provides an affidavit or other documentation from a physician certifying the physical limitation or disability. In no event will side door or back door service be provided at a distance of more than 150 feet from the public roadway. In those events where side door or back door service is provided pursuant to this Section, the occupant may use the cart for storage of residential solid waste but must place the residential solid waste in bags.

INACCESSIBLE PREMISES

Contractor and the occupant of a residential premises not conveniently accessible to a public or private right of way or not having a suitable location at roadside for placement of carts or other residential solid waste shall agree on the manner and location for the collection of residential solid waste from such residential premises. Such agreement, for example, may require that Contractor collect residential solid waste in bags placed at a convenient location within 25 feet of roadside.

LIMITATION ON NUMBER OF EXCEPTIONAL SERVICE LOCATIONS

The Contractor shall cooperate with The Town and with the occupants of residential premises having exceptional collection service requirements described herein and shall provide such exceptional services as required, provided, however, that the total number of elderly and disabled receiving exceptional services and the total number of inaccessible premises receiving exceptional services shall not, in the aggregate, exceed three percent (3%) of the total number of residential premises in The Town.

ROUTES AND HOURS OF COLLECTION OPERATION

HOURS OF OPERATION

Collection of residential solid waste shall not start before 7:00 a.m. nor continue after 7:00 p.m. on the same day.

ROUTES OF COLLECTION

The Contractor shall establish collection routes. Contractor shall submit a map designating the collection routes with days of collection to The Town for its approval, which approval shall not be unreasonably withheld. Prior to commencement of collection services under this Agreement, the Contractor will, at its expense, notify each residential premises individually of the scheduled collection day or any changes thereto for the duration of this Agreement. The Contractor may from time to time request The Town approval of changes in routes or days of collection, which approval shall not be unreasonably withheld. Upon The Town's approval of the proposed changes, Contractor shall promptly give written or published notice to the affected residential premises.

HOLIDAYS

The following shall be holidays for the purpose of this Agreement:

- New Years' Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving Day
- Christmas Day

Contractor may elect to work or observe any of the above-designated holidays. If Contractor observes the holiday, Contractor shall remain obligated to provide collection service at least once per week. The Contractor will not be allowed Sunday collection except in emergency situations approved by The Town.

COMPLAINTS

Contractor shall furnish each residential premise with instructions for contacting Contractor by telephone over a local line, for information or for service complaints. All complaints shall be made directly to the Contractor, and shall be given prompt and courteous attention. In the case of alleged missed scheduled collections, the Contractor shall investigate and, if such complaint is verified, shall arrange for the collection of the residential solid waste not collected within 24 hours after the complaint is received. The Contractor shall provide a monthly tabulation of complaints with the time, date, name, and phone number of the person calling. The tabulation shall also describe the resolution of the complaint and such tabulation shall be forwarded to The Town by the tenth (10th) day of the succeeding month.

COLLECTION EQUIPMENT AND PERSONNEL

The Contractor shall provide an adequate number of vehicles for regular collection services. All vehicles and other equipment shall be kept in good repair, appearance and in a sanitary condition at all times. Each vehicle shall have clearly visible on each side the identity and telephone number of the Contractor. All solid waste hauled by the Contractor shall be so contained, tied, covered, or enclosed such that leaking, spilling, or blowing are prevented.

OFFICE

Contractor shall maintain an office or other facilities through which it can be contacted. It shall be equipped with sufficient local service telephones and shall have a responsible person in charge from 8:00 a.m. to 5:00 p.m. on Monday through Friday of each week, except holidays. Voice mail service will be available at all other times.

DISPOSAL

Contractor shall be responsible for the proper disposal of Residential Solid Waste and Commercial Solid Waste. Contractor shall dispose of waste at the disposal facility(ies) designated in Exhibit "A". If the Contractor chooses to use the Effingham County Landfill until March 31, 1998, then the Contractor, after March 31, 1998, shall dispose of waste at a properly permitted transfer station or sanitary landfill provided for by Contractor.

COMPENSATION

Rates of Compensation for Five (5) Year Term

Contractor shall be paid by The Town for residential solid waste collection and disposal services provided hereunder by the rates of compensation and CPI rate adjustment procedure set forth in Exhibit "A", attached hereto and made a part hereof, during the five (5) one-year terms of this Agreement. In the event that The Town and Contractor agree to extend or renew this Agreement for additional terms, the rates of compensation to be paid to Contractor during such terms shall be negotiated and agreed upon by The Town and Contractor.

DELINQUENT AND CLOSED ACCOUNTS

Upon written notice from The Town the Contractor shall temporarily discontinue waste collection service at any residential premises and eligible commercial premises. This shall serve as a means of assisting The Town in the collections of delinquent accounts. Upon further notification by The Town, the Contractor shall resume waste collection service on the next regularly scheduled collection day. The Town shall indemnify and hold the Contractor harmless from any claims, suits, damages, liabilities or expenses (including but not limited to expenses of investigation and attorney's fees) resulting from the Contractor's discontinuing service at any location at the direction of The Town.

CONTRACTOR BILLINGS TO THE TOWN

The Contractor shall invoice The Town each month for collection service rendered within ten (10) days following the end of the month. The Town shall pay the Contractor within 30 days of the date of the invoice. Such billing and payment shall be based on the total number of residential premises in the collection service area of The Town and the total number of commercial premises served and the applicable rates of Compensation set forth in Exhibit A hereto. The Contractor shall be entitled to payment for services rendered irrespective of whether or not The Town collects payment from the owner or occupant for such service.

NON-DISCRIMINATION

In the performance of the work and services to be performed under the terms hereof, the Contractor covenants and agrees not to discriminate against any person because of race, sex, creed, color, religion or national origin.

INDEMNITY

The Contractor will indemnify, hold harmless, and defend by The Town, its officers, agents, servants and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses, and reasonable attorney's fees incidental to any work done in the performance of this Franchise arising out of a willful or negligent act or omission of the Contractor its officers, agents, servants and employees; provided, however, that The Town will indemnify, hold harmless and defend the Contractor, its parent corporation and their respective officers, agents, servants and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses and reasonable attorney's fees arising out of a willful or negligent act or omission of The Town, its officers, agents, servants and employees.

FORCE MAJEURE

Except for the obligation to pay for services rendered, neither party hereto shall be liable for failure to perform hereunder due to contingencies beyond its control, including, but not limited to strikes, riots, war, fire, acts of God (including without limitation flood, hurricane, tornado or storm), compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or instrumentality thereof, whether now existing or hereafter created (collectively referred to as "Force Majeure Event"). In addition, the performance required under this Contract does not include the collection or disposal of any increased volume of solid wastes

resulting from a Force Majeure Event. In the event of such Force Majeure Event, the Contractor will vary routes and schedule as may be deemed necessary. In addition, The Town and Contractor shall negotiate the amounts to be paid Contractor for services to be performed as a result of increased volumes resulting from a Force Majeure Event or any other event over which Contractor has no control.

FEDERAL, STATE, AND TOWN LICENSES AND TAXES

The Contractor shall obtain all licenses and permits and promptly pay all taxes required by The Town and State. During the term of the agreement the contractor is subject to all applicable taxes and surcharges in effect on commercial hauling businesses and establishments within The Town.

OWNERSHIP OF WASTE

Ownership of residential solid waste shall be deemed to be the property of Contractor upon the collection and placement of the residential solid waste in Contractor's vehicle pursuant to this Agreement.

INSURANCE

The Contractor shall at all times during the Agreement maintain in full force and effect Employer's Liability, Workmen's Compensation, Public Liability, and Property Damage Insurance, including contractual liability coverage for the provisions of this Section.

INSURANCE INDEMNITY

All insurance shall be by insurers and for policy limits acceptable to The Town and before commencement of work hereunder the Contractor agrees to furnish The Town certificates of insurance or other evidence satisfactory to The Town to effect that such insurance has been procured and is in force. The certificates shall contain the following express obligation:

"This is to certify that the policies of insurance described herein have been issued to the insured for whom this certificate is executed and are in force at this time. In the event of cancellation or material change in a policy affecting the certificate holder, thirty (30) days prior written notice will be given the certificate holder. For the purpose of this Agreement, the Contractor shall carry the following types of insurance in at least the limits specified below:

COVERAGES AND LIMITS OF LIABILITY

Workmen's' Compensation - Statutory

Employer's Liability	\$500,000
Bodily Injury Liability	\$500,000 each occurrence
Except Automobile	\$1,000,000 aggregate
Property Damage Liability	\$500,000 each occurrence

Except Automobile

\$500,000 each occurrence

Automobile Bodily Injury

\$500,000 each person

Liability

\$1,000,000 each occurrence

Automobile Property Damage

\$500,000 each occurrence

Liability

Excess Umbrella Liability

\$5,000,000 each occurrence

As an alternative to the above, Contractor may insure the above public liability and property coverages under a plan of self-insurance, subject to the approval of The Town. Each insurance policy with respect to public liability insurance may provide for a self-insured retention of an amount of \$500,000, with the result that the Contractor is its own insurer to that extent. The coverages may be provided directly by the Contractor or an affiliated corporation.

PERFORMANCE BOND

The Contractor shall furnish a corporate surety bond as security for the performance of this Agreement. Said surety bond shall be in the amount of \$500,000.00.

Premium for the bond(s) described above shall be paid by the Contractor. Contractor shall furnish a certificate from the surety showing that the bond premium has been paid in full.

The surety on the bond shall be a duly authorized corporate surety company approved to do business in the State of Georgia.

POWER OF ATTORNEY

Attorneys in fact who sign performance bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

COMPLIANCE WITH LAW

The Contractor shall conduct operations under this Agreement in compliance with all applicable laws, including without limitation, ordinances, laws and statutes of The Town, state and federal governments; provided, however, that the Agreement shall govern the obligations of the Contractor where there exist conflicting ordinances of The Town on the subject. In the event that the collection or disposal of any solid waste hereunder shall become restricted or prohibited by any applicable law, ordinance, rule or regulation, such type of waste shall be eliminated from the requirements and provisions of this

Agreement.

ASSIGNMENT

Contractor's rights accruing under this Agreement may not be assigned in whole or in part by the Contractor without the prior written approval or consent of The Town. As a condition of such assignment, the assignee shall agree to assume the obligations of Contractor hereunder.

EXCLUSIVE CONTRACT

The Town agrees that so long as Contractor is not in default hereunder, it will not enter into any agreement with any other entity for performance of residential solid waste collection and disposal services during the term hereof or any renewal terms.

AMENDMENTS AND ADJUSTMENTS

The Town and Contractor agree that any amendments or modifications to this agreement shall be in writing and executed by both parties.

The Town and Contractor further agree that the unit or residential premises charge of this agreement shall be adjusted annually pursuant to the schedule set forth in Exhibit "A" III attached hereto, or the inflation rate escalator, whichever is the smaller value. The Contractor further agrees that no increase in the price charged per unit or residential premises or unit shall take effect before Dec. 1, 1999. The Contractor shall submit the proposed adjustment to The Town Manager for consideration by The Town by October 20 of the contract then in effect.

TERMINATION

In the event of an alleged material breach of this Agreement, The Town shall provide written notice of such breach to the Contractor, to be delivered by certified mail, return receipt requested. If within 20 days from receipt of such notice, the Contractor has either failed to correct the condition or reach an agreement with The Town on a mutually satisfactory solution, then The Town may, within 30 days, require the Contractor to appear before the Mayor and Council, at either a regular or specially called meeting, to show cause why the Contractor should not be terminated. After such meeting the Board may elect to provide written notice to the Contractor that the Agreement will be terminated 30 days from the receipt of such notice or extend the time to allow Contractor to cure the breach, or impose sanctions or other remedies without terminating the Agreement.

MISCELLANEOUS PROVISIONS

NOTICES

All notices and demands herein required shall be in writing. Whenever any notice, demand or request is required or permitted hereunder, such notice, demand or request shall be faxed, hand delivered personally, sent by express mail or courier service, or sent by United States Mail registered or certified, postage prepaid, to the address set forth below.

As to The Town:

Town of Rincon
Attn: Stan Freeman - Town Manager
P.O. Box 232
Rincon, Georgia 31326

As to Contractor:

Sullivan Environmental Services, Inc.
P.O. Box 250
Ailey, Georgia 30410
Phone: (800) 611-9693
Fax: (912) 538-1716

Attention: Sam Sullivan

With a copy to:

Southland Waste Systems of Georgia
1760 Bass Road, Suite 101
Macon, Georgia 31210
Phone: (912) 477-8979
Fax: (912) 477-8412

Attention: Wally Hall

Any notice, demand or request which shall be served upon either of the parties in the manner aforesaid shall be deemed sufficiently given for all purposes hereunder (1) at the time such notices, demands or requests are hand delivered or (2) on the day such notices, demands or requests are posted, postage prepaid, in the United States Mail in accordance with the preceding portion of this Section; provided, however, the time for response to any notice, demand or request shall commence three days after such posting or upon actual receipt, whichever is later.

CHOICE OF LAW

This Agreement shall be construed in accordance with and governed for all purposes by the laws of the State of Georgia, excluding the laws applicable to conflicts or choice of law.

ENTIRE AGREEMENT

This Agreement contains the entire agreement between the parties relating to the rights herein granted and the obligations herein assumed. Any oral representation or modifications concerning this instrument shall be of no force or effect and this Agreement may not be amended except by a subsequent modification in writing, signed by the parties hereto.

SEVERABILITY

If any part of this Agreement for any reason is declared invalid, such decision shall not affect the validity of any remaining portion, which remaining portion shall remain in force and effect as if this contract had been executed with the invalid portion thereof eliminated. It is hereby declared the intention of the parties that they would have executed the remaining portion of this Agreement without including any such part, parts or portions that may, for any reason, be hereinafter declared invalid.

THE TOWN'S AUTHORITY

The parties signing this Agreement on behalf of The Town have been authorized to do so by specific action of The Town of Rincon Town Council adopted in open meeting and of record in its official minutes.

EXECUTED this 27th day of October, 1997.

George A. Larez
Mayor

Wanda B. Hendrix
Witness



SULLIVAN ENVIRONMENTAL SERVICES, INC.

By: Sam Sullivan

Title: Vice President

Ann V. Valdes 10-27-97
Notary Public Date

EXHIBIT A

Price Sheets with Service Add-ons and Options for the Unincorporated Area (County) and Municipalities

Pricing Sheets for Defined Services and Designated Service Areas:

Firms and individuals shall specify prices for the base services and add-on services and equipment described below. The monthly rate for collection of solid waste from residential premises, or units, and the escalator cap shall be the determining factor in the award of a solid waste collection contract. Total annual cost estimates will be used by The Town to project budgets and cash flow and will not be a significant determinant in the award of the collection contract.

I The Unincorporated Area of Effingham County:

The Unincorporated Area of Effingham County is defined as all that area lying outside the boundaries of the incorporated municipalities of Rincon, Rincon, and Springfield.

First two years of the contract 12/7/1997 to 12/6/1999

90 or more gallon residential roll-out cart price n/a (n/a if Cart included in base price.)

- a. Base price for roll-out cart collection and disposal of solid waste once per week for one month from one residential unit \$7.62 with disposals at an appropriately permitted disposal facility of the contractor's choosing for the first two (2) years of the contract.
- b. Base price plus add-on monthly cost per residential unit for collecting mixed, recyclable paper products once per month from standardized plastic containers provided by residential premises occupant .50¢ with delivery to Ft. James Paper Co. for processing.

II. The Unincorporated Area of Effingham County and the Municipalities of Effingham County:

The municipalities of Effingham County are defined as that area lying within the incorporated boundaries of the communities of Guyton, Rincon, and Springfield. The unincorporated area is defined in I above.

First two years of the contract 12/7/1997 to 12/6/1999

90 or more gallon residential roll-out cart price n/a (n/a if included in base price), plus:

- a. Base price for roll-out cart collection and disposal of solid waste once per week for one month from one residential unit \$7.62 with disposals at the Effingham County Landfill until March 31, 1998 and from April 1,

1998 until December 6, 1999 at another appropriately permitted landfill or other disposal facility of the contractor's choice.

- b. Base price for roll-out cart collection and disposal once per week for one month from one residential unit \$7.62 with disposals at an appropriately permitted disposal facility of the contractor's choosing for the first two (2) years of the contract.
- c. For the municipalities only, an add-on price for a second roll-out cart collection of garbage and rubbish for one month from one residential unit \$2.67 with disposals at the Effingham County Landfill until March 31, 1998 and from April 1, 1998 until December 6, 1999 at another appropriately permitted landfill or other disposal facility of the contractor's choice.
- d. For the municipalities only, an add-on price for a second roll-out cart collection of garbage and rubbish for one month from one residential unit \$2.67 with disposals at an appropriately permitted disposal facility of the contractor's choosing for the first two (2) years of the contract.
- e. For the municipalities only, an add-on price for once every other week collection of yard trash for one month from one residential unit \$1.97 with disposals at a facility approved by The City, Town or the Municipal Council for the first two (2) years of the contract.
- f. Base price plus add-on monthly cost per residential unit for 48 hr. on-call collection of appliances and household bulky wastes at roadside .78¢ with disposals at a facility approved by The City, Town or Municipal Council for the first two (2) years of the contract.
- g. Base price plus add-on monthly cost per residential unit for collecting mixed, recyclable paper products once per month from standardized plastic containers provided by residential premises occupant .50¢ with delivery to Ft. James Paper Co. for processing.

III. Annual CPI Adjustment

On the second anniversary date of the date Contractor first commences collection service (beginning of 3rd year), and on each such anniversary date thereafter, the rates of compensation in effect during the second year shall be adjusted by the annual percentage change in the Consumer Price Index (CPI), all urban consumers, U.S. cities average published by the U.S. Department of Labor, Bureau of Labor Statistics.

STATE OF GEORGIA
CITY OF SPRINGFIELD

RESIDENTIAL SOLID WASTE SERVICES, COLLECTION AND DISPOSAL

THIS CONTRACT FOR SOLID WASTE COLLECTION SERVICE (this "Agreement") is made and entered into on this _____ day of _____ 1998, by and between The City of Springfield, a political subdivision of the State of Georgia, by and through its Mayor and City Council, hereinafter referred to as "The City," and Southland Waste Systems of Georgia, Inc, DBA Sullivan Environmental Services, a Georgia corporation, or its legal successors, acting by and through its duly authorized officers, hereinafter referred to as "Contractor."

WHEREAS, it is necessary for The City to promote, preserve and protect the public health of its citizens; and

WHEREAS, the removal of garbage, rubbish and other waste material generated by residential premises within the incorporated areas of The City of Springfield is a valid exercise of The City's police power; and

WHEREAS, the granting of a contract to a private corporation for the collection and disposal of solid waste is a valid function of The City; and

WHEREAS, The City and Contractor are desirous of entering into an agreement, under the terms of which Contractor shall provide for the collection and disposal of all residential solid waste (as hereinafter defined) generated within The City for a specified period of time; and

WHEREAS, The City and Contractor have agreed to the conditions, terms, rates, provisions and considerations under which Contractor shall perform such solid waste collection and disposal services as herein set out, and for the compensation as hereinafter provided; and

WHEREAS, it is the intent of The City that the owner or occupant of every residential premises in the incorporated area of The City shall pay The City for and utilize the solid waste collection and disposal services provided by Contractor; and

WHEREAS, The City shall bill and collect the fees for Contractor's services from The City of Springfield residents and The City will compensate Contractor for solid waste collection and disposal services to all residential premises in The City.

THEREFORE, The City and Contractor agree as follows:

SCOPE OF WORK

The work under this Agreement shall consist of the work and services to be performed in

the collection and disposal of residential solid waste generated by residential premises in the incorporated areas of The City and the collection and disposal of commercial solid waste from those commercial premises designated by The City to receive Contractor's service, including all the supervision, materials, equipment, labor and all other items necessary to complete said work and services in accordance with the terms of this Agreement.

TERM

The term of this agreement shall begin on the date that Contractor first commences residential solid waste collection service and shall continue for a period of one (1) year thereafter. The City and Contractor shall agree on the date that the Contractor shall commence collection service hereunder. At the conclusion of the one-year term hereof, this agreement shall renew annually for four (4) additional consecutive one (1) year terms unless The City provides written notice to Contractor not less than 60 days before the end of the then current term. Upon completion of this contract, the term may be extended for an additional five year period, if mutually agreed by both parties.

COLLECTION SERVICE

BASE SERVICE

Contractor shall furnish one (1) 90 gallon, or more, cart to every residential premises suitable for occupancy in the incorporated area of The City and to eligible commercial premises designated by The City. It shall be the responsibility of the occupant of the residential premises and eligible commercial premises to properly use and safeguard the cart. Contractor shall maintain carts in reasonably good condition and collect solid wastes placed in the carts from the residential premises and eligible commercial premises once each week.

The Contractor shall have the right to charge occupants (or The City) for the cost of repair or replacement of carts, if such repair or replacement is required as a result of abuse or damage, fires, or theft. The amount charged a resident (or The City) for cart replacement shall not exceed Contractor's cost for the cart. Occupants of residential premises may request one or more additional carts for an additional volume of collection service. Residential premises and eligible commercial premises occupants shall place the carts within 2 feet of the roadway no later than 7:00 a.m. on the day of collection and remove the cart from the vicinity of the roadway after collection by the Contractor.

Occupants shall pay The City for each additional weekly cart and other collection and service at the applicable charge designated by The City, and The City shall compensate Contractor for the additional service at the applicable rate of compensation set forth in Exhibit "A".

ADDITIONAL SERVICE PROVIDED

Contractor shall collect oversized refuse items that will not fit in the cart including broken furniture and white goods, hereinafter bulky waste, from residential premises within 48 working day hours of notice. Occupants of residential premises must telephone Contractor at least two (2) working days prior to the scheduled collection day to request

collection of bulky waste. Bulky waste shall be placed at roadside by 7:00 a.m. on the designated collection day. Contractor shall be responsible for proper disposal of all bulky waste.

For the incorporated municipalities of Effingham County, the Contractor shall collect yard trash from each residential premises one (1) time every other week at roadside. The occupant of the residential premises shall cut tree limbs, logs and brush into pieces no more than five (5') feet in length or forty (40) pounds in weight. Leaves, grass clippings, tree and shrubbery trimmings and other small pieces shall be placed in a bag. The occupant of the residential premises shall place yard trash at roadside by 7:00 a.m. on the designated collection day. Contractor shall not be responsible for collection of yard trash not properly prepared or containerized or not in the proper location at roadside.

COMMERCIAL SERVICE

Contractor shall provide one cart and shall provide commercial solid waste collection and disposal service one (1) time per week at roadside on Contractor's scheduled collection day to eligible commercial premises that subscribe to The City for such service. To be eligible for Contractor's service, a commercial premise shall not generate more than an average of 100 pounds of commercial solid waste per week, and all commercial solid waste must be suitable to be stored in a cart. Collection service to commercial premises shall not include collection of yard trash, recyclable materials or bulky waste. The City shall direct Contractor to provide the cart and collection service to eligible commercial premises and shall compensate Contractor by the applicable rate of compensation set forth in Exhibit "A".

ACCESS

Contractor shall provide collection services to all residential premises located on publicly owned roadways and privately owned roadways where the owner(s) grants written permission. Such roadways shall be accessible to waste collection vehicles. The City shall maintain all publicly owned roads and bridges in a condition that affords access by Contractor's waste collection vehicles. Privately owned roadways where the owner grants permission for collection of solid waste shall be maintained by the owner. Occupants of residential premises located on roadways inaccessible to Contractor's collection vehicles shall place residential solid waste in carts at an accessible location on a properly maintained roadway.

ELDERLY AND DISABLED

Contractor shall provide side door or back door collection service to elderly or disabled residents as designated by The City who are physically unable to place the cart at roadside. Such exceptions for elderly and disabled residents will be granted by The City only if there is no other occupant of the residential premises physically capable of placing the cart at roadside and the resident provides an affidavit or other documentation from a physician certifying the physical limitation or disability. In no event will side door or back door service be provided at a distance of more than 150 feet from the public roadway. In those events where side door or back door service is provided pursuant to this Section, the occupant may use the cart for storage of residential solid waste but not

place the residential solid waste in bags.

INACCESSIBLE PREMISES

Contractor and the occupant of a residential premises not conveniently accessible to a public or private right of way or not having a suitable location at roadside for placement of carts or other residential solid waste shall agree on the manner and location for the collection of residential solid waste from such residential premises. Such agreement, for example, may require that Contractor collect residential solid waste in bags placed at a convenient location within 25 feet of roadside.

LIMITATION ON NUMBER OF EXCEPTIONAL SERVICE LOCATIONS

The Contractor shall cooperate with The City and with the occupants of residential premises having exceptional collection service requirements described herein and shall provide such exceptional services as required, provided, however, that the total number of elderly and disabled receiving exceptional services and the total number of inaccessible premises receiving exceptional services shall not, in the aggregate, exceed three percent (3%) of the total number of residential premises in The City.

ROUTES AND HOURS OF COLLECTION OPERATION

HOURS OF OPERATION

Collection of residential solid waste shall not start before 7:00 a.m. nor continue after 7:00 p.m. on the same day.

ROUTES OF COLLECTION

The Contractor shall establish collection routes. Contractor shall submit a map designating the collection routes with days of collection to The City for its approval, which approval shall not be unreasonably withheld. Prior to commencement of collection services under this Agreement, the Contractor will, at its expense, notify each residential premises individually of the scheduled collection day or any changes thereto for the duration of this Agreement. The Contractor may from time to time request City approval of changes in routes or days of collection, which approval shall not be unreasonably withheld. Upon The City's approval of the proposed changes, Contractor shall promptly give written or published notice to the affected residential premises.

HOLIDAYS

The following shall be holidays for the purpose of this Agreement:

New Years' Day
 Memorial Day
 Independence Day
 Labor Day
 Thanksgiving Day
 Christmas Day

Contractor may elect to work or observe any of the above-designated holidays. If Contractor observes the holiday, Contractor shall remain obligated to provide collection service at least once per week. The Contractor will not be allowed Sunday collection

except in emergency situations approved by The City.

COMPLAINTS

Contractor shall furnish each residential premise with instructions for contacting Contractor by telephone over a local line, for information or for service complaints. All complaints shall be made directly to the Contractor, and shall be given prompt and courteous attention. In the case of alleged missed scheduled collections, the Contractor shall investigate and, if such complaint is verified, shall arrange for the collection of the residential solid waste not collected within 24 hours after the complaint is received. The Contractor shall provide a monthly tabulation of complaints with the time, date, name, and phone number of the person calling. The tabulation shall also describe the resolution of the complaint and such tabulation shall be forwarded to The City by the tenth (10th) day of the succeeding month.

COLLECTION EQUIPMENT AND PERSONNEL

The Contractor shall provide an adequate number of vehicles for regular collection services. All vehicles and other equipment shall be kept in good repair, appearance and in a sanitary condition at all times. Each vehicle shall have clearly visible on each side the identity and telephone number of the Contractor. All solid waste hauled by the Contractor shall be so contained, tied, covered, or enclosed such that leaking, spilling, or blowing are prevented.

OFFICE

Contractor shall maintain an office or other facilities through which it can be contacted. It shall be equipped with sufficient local service telephones and shall have a responsible person in charge from 8:00 a.m. to 5:00 p.m. on Monday through Friday of each week, except holidays. Voice mail service will be available at all other times.

DISPOSAL

Contractor shall be responsible for the proper disposal of Residential Solid Waste and Commercial Solid Waste. Contractor shall dispose of waste at the disposal facility(ies) designated in Exhibit "A". If the Contractor chooses to use the Effingham County Landfill until March 31, 1998, then the Contractor, after March 31, 1998, shall dispose of waste at a properly permitted transfer station or sanitary landfill provided for by Contractor.

COMPENSATION

Rates of Compensation for Five (5) Year Term

Contractor shall be paid by The City for residential solid waste collection and disposal services provided hereunder by the rates of compensation and CPI rate adjustment procedure set forth in Exhibit "A", attached hereto and made a part hereof, during the five (5) one-year terms of this Agreement. In the event that The City and Contractor agree to extend or renew this Agreement for additional terms, the rates of compensation to be paid to Contractor during such terms shall be negotiated and agreed upon by The City and Contractor.

resulting from a Force Majeure Event. In the event of such Force Majeure Event, the Contractor will vary routes and schedule as may be deemed necessary. In addition, The City and Contractor shall negotiate the amounts to be paid Contractor for services to be performed as a result of increased volumes resulting from a Force Majeure Event or any other event over which Contractor has no control.

LICENSES AND TAXES

The Contractor shall obtain all licenses and permits and promptly pay all taxes required by The City and State. During the term of the agreement the contractor is subject to all applicable taxes and surcharges in effect on commercial hauling businesses and establishments within The City.

OWNERSHIP OF WASTE

Ownership of residential solid waste shall be deemed to be the property of Contractor upon the collection and placement of the residential solid waste in Contractor's vehicle pursuant to this Agreement.

INSURANCE

The Contractor shall at all times during the Agreement maintain in full force and effect Employer's Liability, Workmen's Compensation, Public Liability, and Property Damage Insurance, including contractual liability coverage for the provisions of this Section.

INSURANCE INDEMNITY

All insurance shall be by insurers and for policy limits acceptable to The City and before commencement of work hereunder the Contractor agrees to furnish The City certificates of insurance or other evidence satisfactory to The City to effect that such insurance has been procured and is in force. The certificates shall contain the following express obligation:

"This is to certify that the policies of insurance described herein have been issued to the insured for whom this certificate is executed and are in force at this time. In the event of cancellation or material change in a policy affecting the certificate holder, thirty (30) days prior written notice will be given the certificate holder. For the purpose of this Agreement, the Contractor shall carry the following types of insurance in at least the limits specified below:

COVERAGES AND LIMITS OF LIABILITY

Workmen's' Compensation - Statutory

Employer's Liability	\$500,000
Bodily Injury Liability	\$500,000 each occurrence
Except Automobile	\$1,000,000 aggregate
Property Damage Liability	\$500,000 each occurrence

DELINQUENT AND CLOSED ACCOUNTS

Upon written notice from The City the Contractor shall temporarily discontinue waste collection service at any residential premises and eligible commercial premises. This shall serve as a means of assisting The City in the collections of delinquent accounts. Upon further notification by The City, the Contractor shall resume waste collection service on the next regularly scheduled collection day. The City shall indemnify and hold the Contractor harmless from any claims, suits, damages, liabilities or expenses (including but not limited to expenses of investigation and attorney's fees) resulting from the Contractor's discontinuing service at any location at the direction of The City.

CONTRACTOR BILLINGS TO THE CITY

The Contractor shall invoice The City each month for collection service rendered within ten (10) days following the end of the month. The City shall pay the Contractor within 30 days of the date of the invoice. Such billing and payment shall be based on the total number of residential premises in the collection service area of The City and the total number of commercial premises served and the applicable rates of Compensation set forth in Exhibit A hereto. The Contractor shall be entitled to payment for services rendered irrespective of whether or not The City collects payment from the owner or occupant for such service.

NON-DISCRIMINATION

In the performance of the work and services to be performed under the terms hereof, the Contractor covenants and agrees not to discriminate against any person because of race, sex, creed, color, religion or national origin.

INDEMNITY

The Contractor will indemnify, hold harmless, and defend by The City, its officers, agents, servants and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses, and reasonable attorney's fees incidental to any work done in the performance of this Franchise arising out of a willful or negligent act or omission of the Contractor its officers, agents, servants and employees; provided, however, that The City will indemnify, hold harmless and defend the Contractor, its parent corporation and their respective officers, agents, servants and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses and reasonable attorney's fees arising out of a willful or negligent act or omission of The City, its officers, agents, servants and employees.

FORCE MAJEURE

Except for the obligation to pay for services rendered, neither party hereto shall be liable for failure to perform hereunder due to contingencies beyond its control, including, but not limited to strikes, riots, war, fire, acts of God (including without limitation flood, hurricane, tornado or storm), compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or instrumentality thereof, whether now existing or hereafter created (collectively referred to as "Force Majeure Event"). In addition, the performance required under this Contract does not include the collection or disposal of any increased volume of solid wastes

Except Automobile	\$500,000 each occurrence
<u>Automobile Bodily Injury</u>	\$500,000 each person
Liability	\$1,000,000 each occurrence
Automobile Property Damage	\$500,000 each occurrence
<u>Liability</u>	
Excess Umbrella Liability	\$5,000,000 each occurrence

As an alternative to the above, Contractor may insure the above public liability and property coverages under a plan of self-insurance, subject to the approval of The City. Each insurance policy with respect to public liability insurance may provide for a self-insured retention of an amount of \$500,000, with the result that the Contractor is its own insurer to that extent. The coverages may be provided directly by the Contractor or an affiliated corporation.

PERFORMANCE BOND

The Contractor shall furnish a corporate surety bond as security for the performance of this Agreement. Said surety bond shall be in the amount of \$500,000.00.

Premium for the bond(s) described above shall be paid by the Contractor. Contractor shall furnish a certificate from the surety showing that the bond premium has been paid in full.

The surety on the bond shall be a duly authorized corporate surety company approved to do business in the State of Georgia.

POWER OF ATTORNEY

Attorneys in fact who sign performance bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

COMPLIANCE WITH LAW

The Contractor shall conduct operations under this Agreement in compliance with all applicable laws, including without limitation, ordinances, laws and statutes of The City, state and federal governments; provided, however, that the Agreement shall govern the obligations of the Contractor where there exist conflicting ordinances of The City on the subject. In the event that the collection or disposal of any solid waste hereunder shall become restricted or prohibited by any applicable law, ordinance, rule or regulation, such type of waste shall be eliminated from the requirements and provisions of this

Agreement.

ASSIGNMENT

Contractor's rights accruing under this Agreement may be assigned in whole or in part by the Contractor with the prior written approval or consent of The City. As a condition of such assignment, the assignee shall agree to assume the obligations of Contractor hereunder.

EXCLUSIVE CONTRACT

The City agrees that so long as Contractor is not in default hereunder, it will not enter into any agreement with any other entity for performance of residential solid waste collection and disposal services during the term hereof or any renewal terms.

AMENDMENTS AND ADJUSTMENTS

The City and Contractor agree that any amendments or modifications to this agreement shall be in writing and executed by both parties.

The City and Contractor further agree that the unit or residential premises charge of this agreement shall be adjusted annually pursuant to the schedule set forth in Exhibit "A" III attached hereto, or the inflation rate escalator, whichever is the smaller value. The Contractor further agrees that no increase in the price charged per unit or residential premises or unit shall take effect before _____. The Contractor shall submit the proposed adjustment to The City Administrator for consideration by The City by October 20 of the contract then in effect.

TERMINATION

In the event of an alleged material breach of this Agreement, The City shall provide written notice of such breach to the Contractor; to be delivered by certified mail, return receipt requested. If within 20 days from receipt of such notice, the Contractor has either failed to correct the condition or reach an agreement with The City on a mutually satisfactory solution, then The City may, within 30 days, require the Contractor to appear before the Mayor and Council, at either a regular or specially called meeting, to show cause why the Contractor should not be terminated. After such meeting the Board may elect to provide written notice to the Contractor that the Agreement will be terminated 30 days from the receipt of such notice or extend the time to allow Contractor to cure the breach, or impose sanctions or other remedies without terminating the Agreement.

MISCELLANEOUS PROVISIONS

NOTICES

All notices and demands herein required shall be in writing. Whenever any notice demand or request is required or permitted hereunder, such notice, demand or request shall be faxed, hand delivered personally, sent by express mail or courier service, or sent by United States Mail registered or certified, postage prepaid, to the address set forth below.

As to The City:

As to Contractor:

Sullivan Environmental Services
201 Brinson Rd.
Vidalia, Georgia 30474
Phone: (800) 611-9693
Fax: (912) 538-1716

Attention: Sam Sullivan

With a copy to:

Southland Waste Systems of Georgia, Inc.
8619 Western Way
Jacksonville, Fla. 32241
Phone: (904) 732-3204
Fax: (904) 732-3260

Attention: Wally Hall

Any notice, demand or request which shall be served upon either of the parties in the manner aforesaid shall be deemed sufficiently given for all purposes hereunder (1) at the time such notices, demands or requests are hand delivered or (2) on the day such notices, demands or requests are posted, postage prepaid, in the United States Mail in accordance with the preceding portion of this Section; provided, however, the time for response to any notice, demand or request shall commence three days after such posting or upon actual receipt, whichever is later.

CHOICE OF LAW

This Agreement shall be construed in accordance with and governed for all purposes by the laws of the State of Georgia, excluding the laws applicable to conflicts or choice of law.

ENTIRE AGREEMENT

This Agreement contains the entire agreement between the parties relating to the rights herein granted and the obligations herein assumed. Any oral representation or modifications concerning this instrument shall be of no force or effect and this Agreement may not be amended except by a subsequent modification in writing signed by the parties hereto.

SEVERABILITY

If any part of this Agreement for any reason is declared invalid, such decision shall not affect the validity of any remaining portion, which remaining portion shall remain in force and effect as if this contract had been executed with the invalid portion thereof eliminated. It is hereby declared the intention of the parties that they would have executed the remaining portion of this Agreement without including any such part, parts or portions that may, for any reason, be hereinafter declared invalid.

THE CITY'S AUTHORITY

The parties signing this Agreement on behalf of The City have been authorized to do so by specific action of The City of Springfield City Council adopted in open meeting and of record in its official minutes.

EXECUTED this 12 day of October, 1998.

Doris G. Seale
Mayor

Cathy D. Rushing
Witness

CITY COUNCIL OF THE CITY OF SPRINGFIELD, GEORGIA

Darwin Taylor
Councilman

[Signature]
Councilman

[Signature]
Councilman

[Signature]
Councilman

Thomas C. Brooks
Councilman

SULLIVAN ENVIRONMENTAL SERVICES, INC.

By: Sam Sullivan

Title: Vice President

Cathy D. Rushing 10/12/98
Notary Public Date

EXHIBIT A

Price Sheets with Service Add-ons and Options for the Unincorporated Area (County) and Municipalities

Pricing Sheets for Defined Services and Designated Service Areas:

Firms and individuals shall specify prices for the base services and add-on services and equipment described below. The monthly rate for collection of solid waste from residential premises, or units, and the escalator cap shall be the determining factor in the award of a solid waste collection contract. Total annual cost estimates will be used by The City to project budgets and cash flow and will not be a significant determinant in the award of the collection contract.

I The Unincorporated Area of Effingham County:

The Unincorporated Area of Effingham County is defined as all that area lying outside the boundaries of the incorporated municipalities of Guyton, Rincon, and Springfield.

First two years of the contract 12/7/1997 to 12/6/1999

90 or more gallon residential roll-out cart price n/a (n/a if Cart included in base price.)

- a. Base price for roll-out cart collection and disposal of solid waste once per week for one month from one residential unit \$7.62 with disposals at an appropriately permitted disposal facility of the contractor's choosing for the first two (2) years of the contract.
- b. Base price plus add-on monthly cost per residential unit for collecting mixed, recyclable paper products once per month from standardized plastic containers provided by residential premises occupant .50¢ with delivery to Ft. James Paper Co. for processing.

II. The Unincorporated Area of Effingham County and the Municipalities of Effingham County:

The municipalities of Effingham County are defined as that area lying within the incorporated boundaries of the communities of Guyton, Rincon, and Springfield. The unincorporated area is defined in I above.

First two years of the contract 12/7/1997 to 12/6/1999

90 or more gallon residential roll-out cart price n/a (n/a if included in base price), plus:

- a. Base price for roll-out cart collection and disposal of solid waste once per week for one month from one residential unit \$7.62 with disposals at the Effingham County Landfill until March 31, 1998 and from April 1,

1998 until December 6, 1999 at another appropriately permitted landfill or other disposal facility of the contractor's choice.

- b. Base price for roll-out cart collection and disposal once per week for one month from one residential unit \$7.62 with disposals at an appropriately permitted disposal facility of the contractor's choosing for the first two (2) years of the contract.
- c. For the municipalities only, an add-on price for a second roll-out cart collection of garbage and rubbish for one month from one residential unit \$2.67 with disposals at the Effingham County Landfill until March 31, 1998 and from April 1, 1998 until December 6, 1999 at another appropriately permitted landfill or other disposal facility of the contractor's choice.
- d. For the municipalities only, an add-on price for a second roll-out cart collection of garbage and rubbish for one month from one residential unit \$2.67 with disposals at an appropriately permitted disposal facility of the contractor's choosing for the first two (2) years of the contract.
- e. For the municipalities only, an add-on price for once every other week collection of yard trash for one month from one residential unit \$1.97 with disposals at a facility approved by The City or the Municipal Council for the first two (2) years of the contract.
- f. Base price plus add-on monthly cost per residential unit for 48 hr. on-call collection of appliances and household bulky wastes at roadside .78¢ with disposals at a facility approved by The City or Municipal Council for the first two (2) years of the contract.
- g. Base price plus add-on monthly cost per residential unit for collecting mixed, recyclable paper products once per month from standardized plastic containers provided by residential premises occupant .50¢ with delivery to Ft. James Paper Co. for processing.

III. Annual CPI Adjustment

On the second anniversary date of the date Contractor first commences collection service (beginning of 3rd year), and on each such anniversary date thereafter, the rates of compensation in effect during the second year shall be adjusted by the annual percentage change in the Consumer Price Index (CPI), all urban consumers, U.S. cities average published by the U.S. Dept of Labor, Bureau of Labor Statistics.

Effingham County, GA

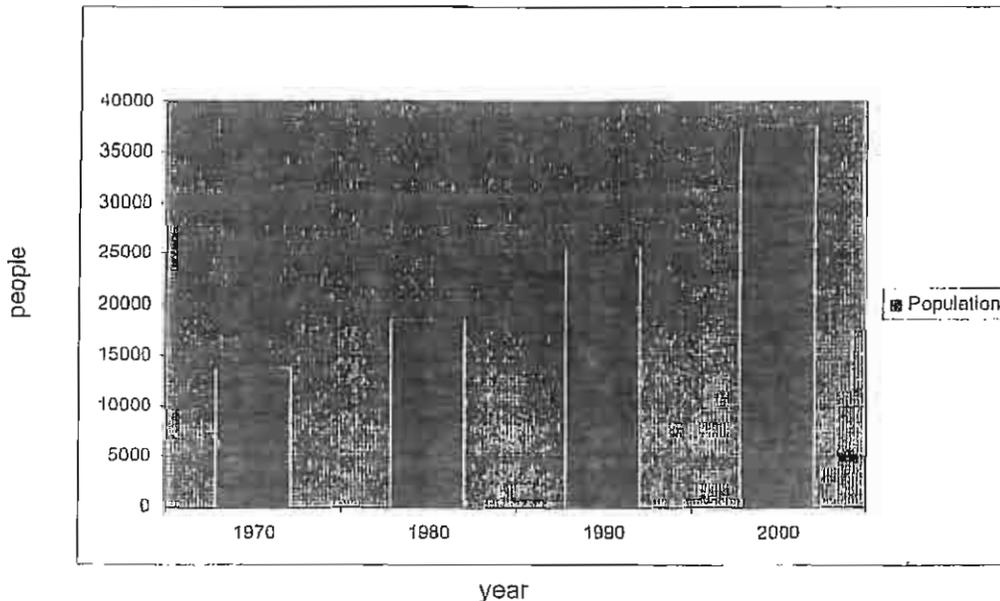
The Context of Population Change

The factors that affect population change include demographic trends (principally age distribution and mortality rates), in- and out-migration rates, employment rates and other economic activity, housing construction, land use patterns, and regional, national and global trends. Population is also affected by factors whose impacts are not subject to easily captured quantitative measurement, such as policy decisions or impressions about the development potential of an area. We typically collect such information through anecdotal interviews with stakeholders. The following chapter outlines the conditions impacting population trends in Effingham County, Georgia.

Historic Population Trends

Effingham County has been experiencing rapid growth since at least the 1970s, with the rate of growth increasing each decade. Between 1970 and 1980, the county grew at about 34%, followed by a 40% increase between 1980 and 1990, and then a 46% increase between 1990 and 2000 (Figure 1e). The largest incorporated city in the county, Rincon, initially did not match the robust population growth of the county in the 1970s. However the growth rate for Rincon by the 1980s was closer to the county's growth rate, and by the 1990s, Rincon's growth rate exceeded that of the county.

Figure 1e - Effingham County Historic Population



The population growth in Effingham County has been accompanied by a number of significant demographic changes. For example, the median age has increased steadily since 1980 going

from 28 years of age in 1980 to 33.6 in 2000. County school enrollment data from the past ten years shows total enrollment increasing by about 25% between fall 1994 and spring 2000 and increasing by approximately 19.5% between fall 2000 and spring 2006. The strong growth in school enrollment numbers, approximately 52% over the 12-year period, is no surprise given the rapid population growth experienced by the county during this time. Additionally, the increase in median age indicates that older adults are locating to the county both with and without school-age children.

Economic Conditions

Interviews with local representatives indicate that Effingham County is experiencing some difficulty attracting businesses. An examination of the types of businesses in 2000, as measured by number of jobs, in each sector (i.e. the local industry mix), showed that nearly 75% of employment was concentrated in four sectors: manufacturing, retail, service, and state and local government. Woods and Poole industry projections for 2030 (Table 1e) show transportation growing the most of any sector, with its share of industry mix expected to grow by 3.8% to reach 9.3%. But this growth is offset by decreases in several sectors, most noticeably construction (-1.7%), manufacturing (-2.4%), and services (-1.9%). In 2000, Effingham County had 10,100 jobs, by 2030 that number is expected to increase to 15,000.

Table 1e - Effingham County Industry Projections

	Construction	Manufacturing	Retail	Services	State/ Local Govt	Transportation
2000	9.8%	18.2%	18.6%	16.8%	18.4%	5.4%
2030	8.1%	15.9%	20.0%	14.9%	19.9%	9.3%
Change	-1.7%	-2.4%	1.3%	-1.9%	1.5%	3.8%

Source: Woods and Poole Economics, Inc.

According to stakeholder interviewees, the main attraction for businesses that locate in the county is accessibility to Savannah's port and industry. However this was also cited as a liability for job and business growth. New jobs are being created annually, but the number of new jobs is relatively small and is concentrated in existing industry types particularly service and retail.

Residential Construction

Residential construction is currently at an all-time high in Effingham County with residential building permits having more than tripled from 1995 to 2005. The City of Rincon has seen the most residential development, although all three cities saw a steady increase from 2000 to 2005 (years for which numbers are available).

The quality of the school system, low taxes, and proximity to Savannah were cited as attractors for people moving to the area. Another reason cited for the population growth and accompanying residential construction is the relocation of people from Chatham County to Effingham, causing the county to serve as a bedroom community to Savannah. According to stakeholder interviews, growth is happening primarily south of Highway 119, which runs north of the three largest cities in the county, Springfield, Guyton, and Rincon. It was noted that some areas of the county, such as south and east of Rincon, are unbuildable and uninhabitable because of environmental issues.

Reflecting demographic changes, the county is seeing an increase in families with children as well as older adults without children. This influx is fueling an increase primarily in single-family, detached homes although an increase has also occurred with single-family, attached homes in the forms of townhouses, condos, and some apartments. Mobile homes are also being constructed, although in fewer numbers than in past years. According to interviewees, many of the homes are pre-sold before they are built, indicating that construction is not keeping up with demand. Interviewees gave varying predictions as to when build-out would occur, from three years to 15, although it was noted that large landowners holding out on development could slow the process.

Other Factors

Refer to Section I: Regional Overview for a brief summary of other factors that may influence population change in the Georgia coastal region.

Effingham County Population Projections to 2030

According to this study, Effingham County's population is projected to increase by 77%, from 37,535 people in 2000 to 66,469 by 2015. By 2030, the population is expected to reach 79,935 people, an increase of 113% over the 2000 population. In comparison, the State of Georgia Office of Planning and Budget estimate for Effingham County shows a 73% increase by the year 2015. The county's population growth is driven primarily by the net gain in people moving into the county, referred to as in-migration.

The Standard Methodology

The projected population is calculated using an inter-regional cohort component model, which tracks population change by age and sex, using baseline population counts as well as birth, death, and migration rates. This methodology is consistent with the widely accepted standard followed in the use of the inter-regional cohort component model¹¹. The model employed for Effingham County used population and migration data from the 2000 U.S. Census and the State of Georgia's county-specific birth and death rates. The use of data and analytical procedures are specified in the Appendix.

Adjusting the Model with Local Data

Interviews with local representatives suggested a relatively fast population growth has occurred in recent years. Therefore, the population model was adjusted to reflect the most recent trends in housing construction and in-migration. This adjustment was made using certificate of occupancy data from 2000 to 2005 provided by Effingham County¹². According to the county, approximately 2,700 certificates were issued during this period. Additionally, the 2010 and 2015

¹¹ Isserman, Andrew M. (1993), "The Right People, The Right Places: Making Population Estimates with an Inter-regional Cohort Component Model." *Journal of the American Planning Association*, Vol. 59, No. 1.

Klosterman, Richard (1990), *Community Analysis and Planning Techniques*. Savage, Md., Rowman & Littlefield.

¹² Data provided by Coastal Market Graphics were considered in model calibration.

county estimates from the State of Georgia Office of Planning and Budget were considered in the calibration of the model.

The certificates of occupancy, along with vacancy rates and average household size data from the 2000 U.S. Census, were used to generate a population estimate for 2005. The result was an estimated county population of 47,032 people in 2005. Using the unadjusted model, the 2005 population estimate was only 44,192 (see Table 2e). More details about the adjustment procedure are available in the Appendix.

Projection Results and Comparisons

Based on the adjusted projection model, Effingham County's population is expected to reach 79,935 by 2030. Table 2e shows the projected population (using the adjusted model described above and in more detail in the Appendix), in comparison to the unadjusted cohort model and the State of Georgia's population estimates.

Table 2e - Effingham County Population Projection to 2030

	2000	2005	2010	2015	2020	2025	2030
Projected Population	37,535	47,032	54,478	66,469	71,685	76,043	79,935
Unadjusted Cohort Model	37,535	44,192	50,099	55,525	60,453	64,646	68,402
State of GA - OPB Estimates*	37,535	46,924	54,807	64,874			

Data Sources: U.S. Census 2000, Georgia Office of Planning and Budget (OPB), Georgia Division of Public Health Office of Health Information and Policy, Effingham County

Calculations for projected population and cohort model: Center for Quality Growth and Regional Development (Georgia Tech)

*The State of Georgia Office of Planning and Budget only estimates county population for the years 2010 & 2015. U.S. Census Bureau estimates were used for 2005.

Table 3e documents the results of the adjusted projected population by age and sex in five-year increments.

Table 3e - Effingham County Population Projection, detailed summary

Age	2000			2005			2010			2015		
	Male	Female	Total									
Under 5	1467	1390	2,857	1433	1370	2,812	1664	1579	3,243	2137	1908	4,045
5 - 9	1580	1531	3,111	1870	1770	3,640	1429	1370	2,799	1659	1568	3,228
10 - 14	1600	1591	3,289	1922	1813	3,735	2196	2041	4,237	2013	1887	3,900
15 - 19	1520	1448	2,968	2074	1909	3,984	2233	2066	4,299	2682	2439	5,101
20 - 24	1000	1098	2,098	1769	1650	3,427	2245	2029	4,274	2568	2322	4,890
25 - 29	1202	1252	2,454	1141	1186	2,327	1667	1550	3,217	2184	1960	4,144
30 - 34	1352	1448	2,800	1571	1585	3,155	1576	1583	3,159	2183	2041	4,224
35 - 39	1698	1779	3,477	1712	1772	3,404	1696	1888	3,783	2128	2098	4,226
40 - 44	1700	1617	3,317	2095	2141	4,236	2082	2110	4,193	2417	2379	4,796
45 - 49	1397	1401	2,798	2036	1920	3,956	2329	2303	4,632	2491	2446	4,937
50 - 54	1168	1102	2,270	1652	1700	3,351	2142	2145	4,287	2517	2621	5,137
55 - 59	884	855	1,739	1341	1309	2,650	1777	1865	3,643	2376	2461	4,837
60 - 64	700	641	1,341	1087	1043	2,130	1526	1487	3,013	2134	2214	4,347
65 - 69	474	505	979	742	702	1,444	1103	1087	2,191	1651	1660	3,310
70 - 74	355	436	791	469	539	1,009	686	726	1,422	1137	1208	2,345
75 - 79	238	350	588	291	417	708	368	500	868	612	751	1,363
80 - 85	131	237	368	208	346	555	237	369	626	332	510	842
85 +	82	208	290	118	310	428	163	429	592	222	575	797
Total	18,646	18,889	37,535	23,532	23,500	47,032	27,331	27,147	54,478	33,423	33,046	66,469

Age	2020			2025			2030		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Under 5	2228	1993	4,210	2263	1982	4,245	2347	2075	4,422
5 - 9	2130	1895	4,026	2219	1979	4,198	2256	1989	4,225
10 - 14	2088	1840	4,028	2480	2216	4,704	2580	2302	4,882
15 - 19	2374	2108	4,562	2468	2260	4,727	2829	2508	5,337
20 - 24	2740	2455	5,203	2524	2279	4,803	2827	2361	4,988
25 - 29	2172	1933	4,104	2319	2047	4,366	2197	1967	4,164
30 - 34	2426	2212	4,637	2384	2161	4,545	2544	2295	4,839
35 - 39	2448	2314	4,762	2641	2452	5,094	2580	2387	4,967
40 - 44	2498	2437	4,934	2791	2643	5,434	2962	2768	5,730
45 - 49	2597	2488	5,085	2711	2575	5,286	2985	2771	5,756
50 - 54	2426	2534	4,960	2521	2579	5,099	2654	2689	5,342
55 - 59	2450	2636	5,086	2364	2551	4,915	2453	2597	5,050
60 - 64	2478	2584	5,043	2517	2698	5,215	2431	2510	5,041
65 - 69	2002	2129	4,131	2282	2429	4,711	2294	2524	4,818
70 - 74	1451	1575	3,026	1743	1982	3,725	1962	2231	4,192
75 - 79	828	1056	1,884	1041	1351	2,391	1240	1677	2,917
80 - 85	441	652	1,093	593	901	1,494	730	1130	1,860
85 +	242	659	901	297	792	1,089	385	1020	1,405
Total	36,025	35,660	71,685	38,166	37,877	76,043	40,056	39,879	79,935

Population Forecast for Effingham County's Incorporated Cities

Following are population forecasts for the incorporated cities located in Effingham County. The constant share method was employed. The constant share method uses the city's 2000 share of county population and holds that share constant against the projected county population. This model was adjusted to reflect current building trends using certificate of occupancy data from 2001 to 2005 provided by the city. This method was used because data used to project the county population are not enumerated at the city level. This method estimates the city's population as a percentage of the county population, increasing it at the same rate. This estimation technique is based on U.S. Census 2000 data and city boundaries as of 2000. See the Appendix for a more detailed description of the forecasting methodology.

It is important to note that population estimates for cities are very challenging; therefore, they may be less accurate than county population projections. These difficulties reflect the fact that there is limited data available at the city scale, annexations can drastically change land availability, and land use/zoning policy changes can increase the intensity of land development.

City of Guyton

In 2000, the City of Guyton's population as reported in the U.S. Census was 917. According to the population forecasting model, the city's population is expected to increase approximately 163% to 2,412 people by 2015. By 2030, the population is forecasted to reach 2,901, a 216% increase from 2000 (see Table 4e).

Table 4e - City of Guyton Population Forecast to 2030

	2000	2005	2010	2015	2020	2025	2030
Population Forecast	917	1,707	1,977	2,412	2,602	2,760	2,901

City of Springfield

In 2000, the City of Springfield's population as reported in the U.S. Census was 1,821. According to the population forecasting model, the city's population is expected to increase approximately 77% to 3,225 people by 2015. By 2030, the population is forecasted to reach 3,878, a 113% increase from 2000 (see Table 5e).

Table 5e - City of Springfield Population Forecast to 2030

	2000	2005	2010	2015	2020	2025	2030
Population Forecast	1,821	2,282	2,643	3,225	3,478	3,689	3,878

City of Rincon

In 2000, the City of Rincon's population as reported in the U.S. Census was 4,376. According to the population forecasting model, the city's population is expected to increase approximately 97% to 8,621 people by 2015. By 2030, the population is forecasted to reach 10,319, a 136% increase from 2000 (see Table 6e).

Table 6e - City of Rincon Population Forecast to 2030

	2000	2005	2010	2015	2020	2025	2030
Population Forecast	4,376	6,856	7,510	8,621	9,282	9,831	10,319

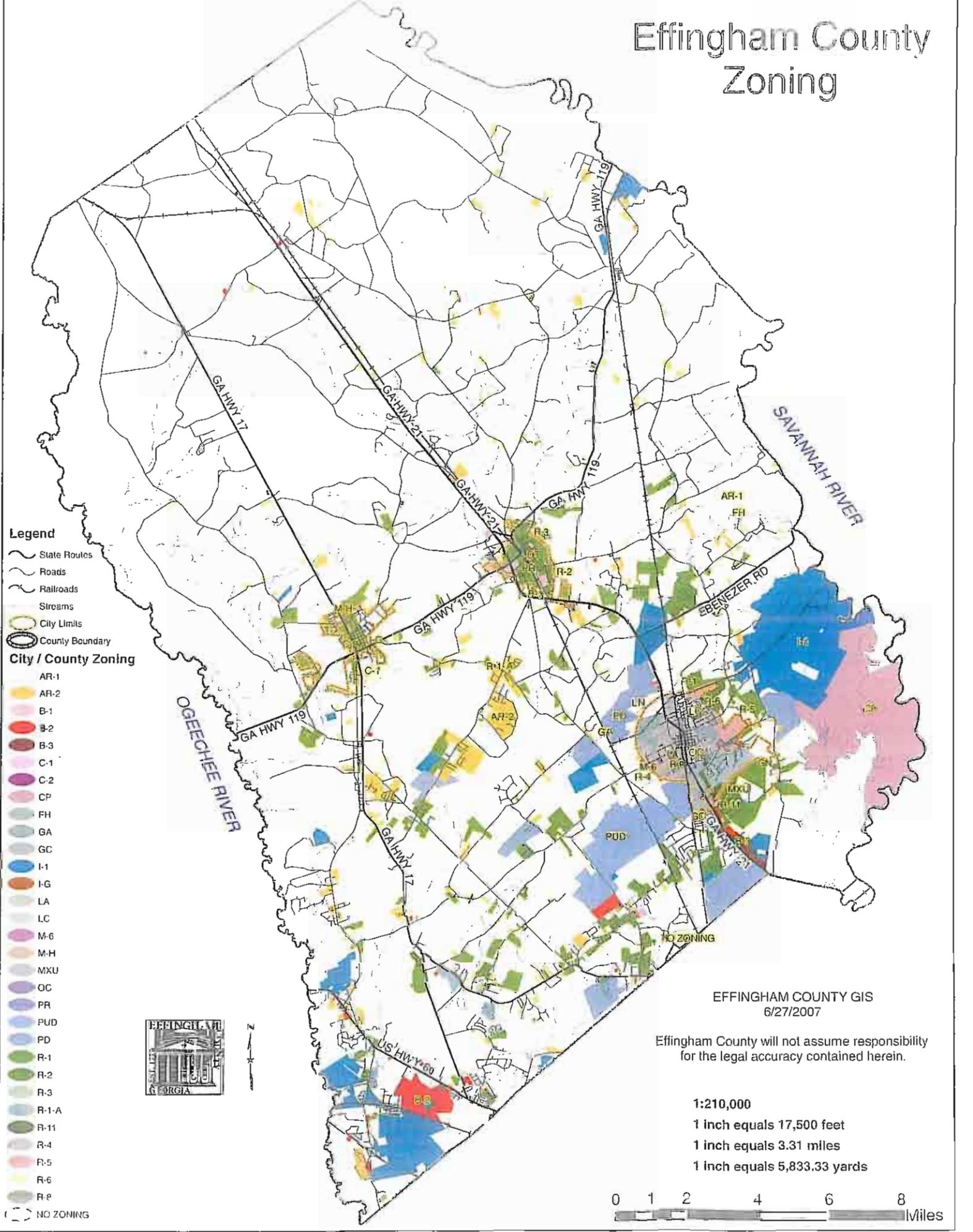
Detailed age and sex cohort forecasts were done for the City of Rincon (Table 7e). To calculate these forecasts, the age and sex cohort allocation from the 2000 census is assumed to stay constant and is used to allocate population forecasts to specific cohorts.

Table 7e - City of Rincon Detailed Cohort Forecasts to 2030

Age	2000			2005			2010			2015		
	Male	Female	Total									
Under 5	191	176	367	300	276	576	329	302	630	377	346	723
5 - 9	183	177	360	287	277	564	315	304	618	361	348	710
10 - 14	173	184	357	272	288	560	298	315	613	342	362	704
15 - 19	171	159	330	268	249	516	293	273	566	336	313	649
20 - 24	174	181	355	273	283	556	299	310	609	343	356	699
25 - 29	205	204	408	320	319	639	351	349	700	403	401	804
30 - 34	179	198	377	281	310	591	308	339	647	353	389	743
35 - 39	168	179	347	263	281	544	288	308	595	330	353	684
40 - 44	166	150	315	259	235	494	284	257	541	326	295	621
45 - 49	120	137	256	187	214	402	205	235	440	236	270	505
50 - 54	113	107	220	176	168	344	193	184	377	222	211	433
55 - 59	86	100	186	134	157	291	147	172	319	169	198	367
60 - 64	76	76	152	119	120	238	130	131	261	149	150	300
65 - 69	55	54	109	86	85	171	95	93	187	109	106	215
70 - 74	39	58	96	60	90	151	66	99	165	76	113	189
75 - 79	25	52	77	40	81	121	44	89	132	50	102	152
80 - 85	12	25	37	19	39	58	21	43	64	24	49	73
85 +	5	21	26	8	33	41	9	36	44	10	41	51
Total	2,140	2,236	4,376	3,353	3,503	6,856	3,673	3,837	7,510	4,216	4,404	8,621

Age	2020			2025			2030		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Under 5	406	373	779	430	395	825	451	414	866
5 - 9	389	375	764	412	398	809	432	417	849
10 - 14	368	390	758	390	413	802	409	433	842
15 - 19	362	337	699	384	357	741	403	375	777
20 - 24	369	383	752	391	406	797	411	426	836
25 - 29	434	432	866	460	457	917	482	480	962
30 - 34	381	419	800	403	444	847	423	466	889
35 - 39	356	380	736	377	403	779	395	423	818
40 - 44	351	318	669	372	336	709	391	353	744
45 - 49	254	290	544	269	308	576	282	323	605
50 - 54	239	227	466	253	240	493	265	252	516
55 - 59	162	213	385	193	225	418	202	237	439
60 - 64	161	162	323	170	171	342	179	180	359
65 - 69	117	115	231	124	121	245	130	127	257
70 - 74	82	122	204	87	129	216	91	136	227
75 - 79	54	110	164	57	116	173	60	122	182
80 - 85	26	53	79	27	56	83	29	59	88
85 +	11	44	55	11	47	58	12	49	61
Total	4,539	4,742	9,282	4,808	5,023	9,831	5,047	5,272	10,319

Effingham County Zoning



- Legend**
- State Routes
 - Roads
 - Railroads
 - Streams
 - City Limits
 - County Boundary
- City / County Zoning**

- AR-1
- AR-2
- B-1
- B-2
- B-3
- C-1
- C-2
- CP
- FH
- GA
- GC
- I-1
- I-G
- LA
- LC
- M-6
- M-H
- MXU
- OC
- PR
- PUD
- PD
- R-1
- R-2
- R-3
- R-1-A
- R-11
- R-4
- R-5
- R-6
- R-P
- NO ZONING



EFFINGHAM COUNTY GIS
6/27/2007

Effingham County will not assume responsibility for the legal accuracy contained herein.

1:210,000
1 inch equals 17,500 feet
1 inch equals 3.31 miles
1 inch equals 5,833.33 yards



EFFINGHAM COUNTY COMPREHENSIVE PLAN EXISTING LAND USE MAP

ID	General Land Use	Number of Parcels	Total Acres
1	Agriculture	3,656	208,120.74
2	Commercial	451	2,174.83
3	Conservation/Recreation	154	22,750.44
4	Industrial	65	9,066.51
5	Public/Institutional	441	3,739.07
6	Residential	16,134	42,578.35
7	Transportation/Utilities	381	3,969.03
8	Undeveloped	1,281	22,868.58
SUM		22,563	315,167.58

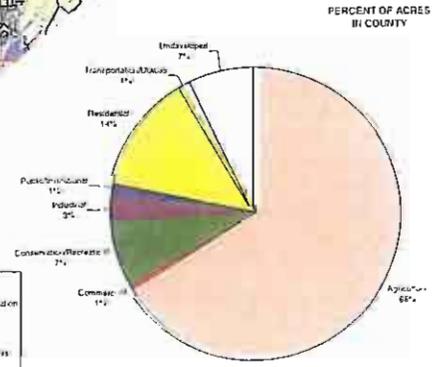
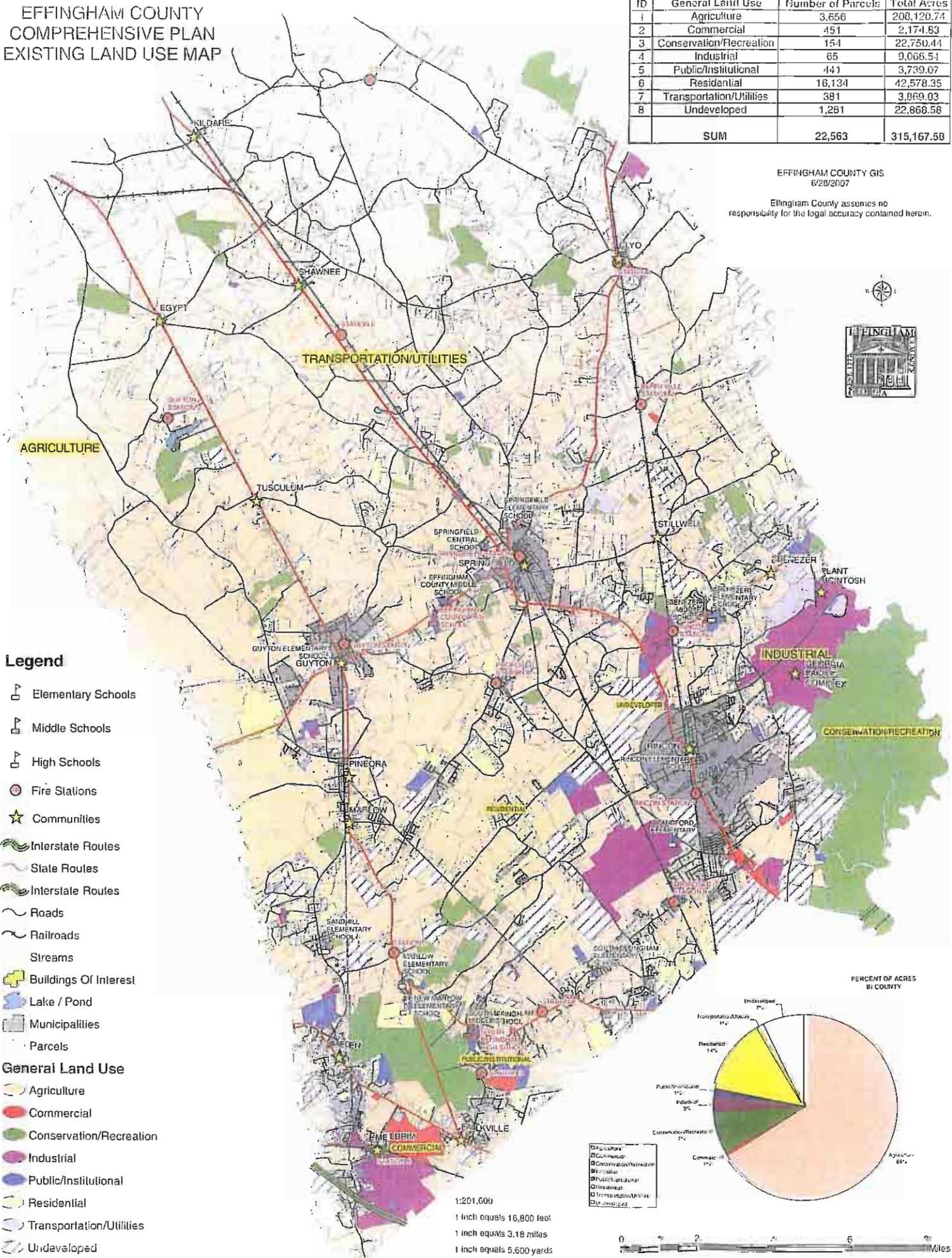
EFFINGHAM COUNTY GIS
6/29/2007

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Legend

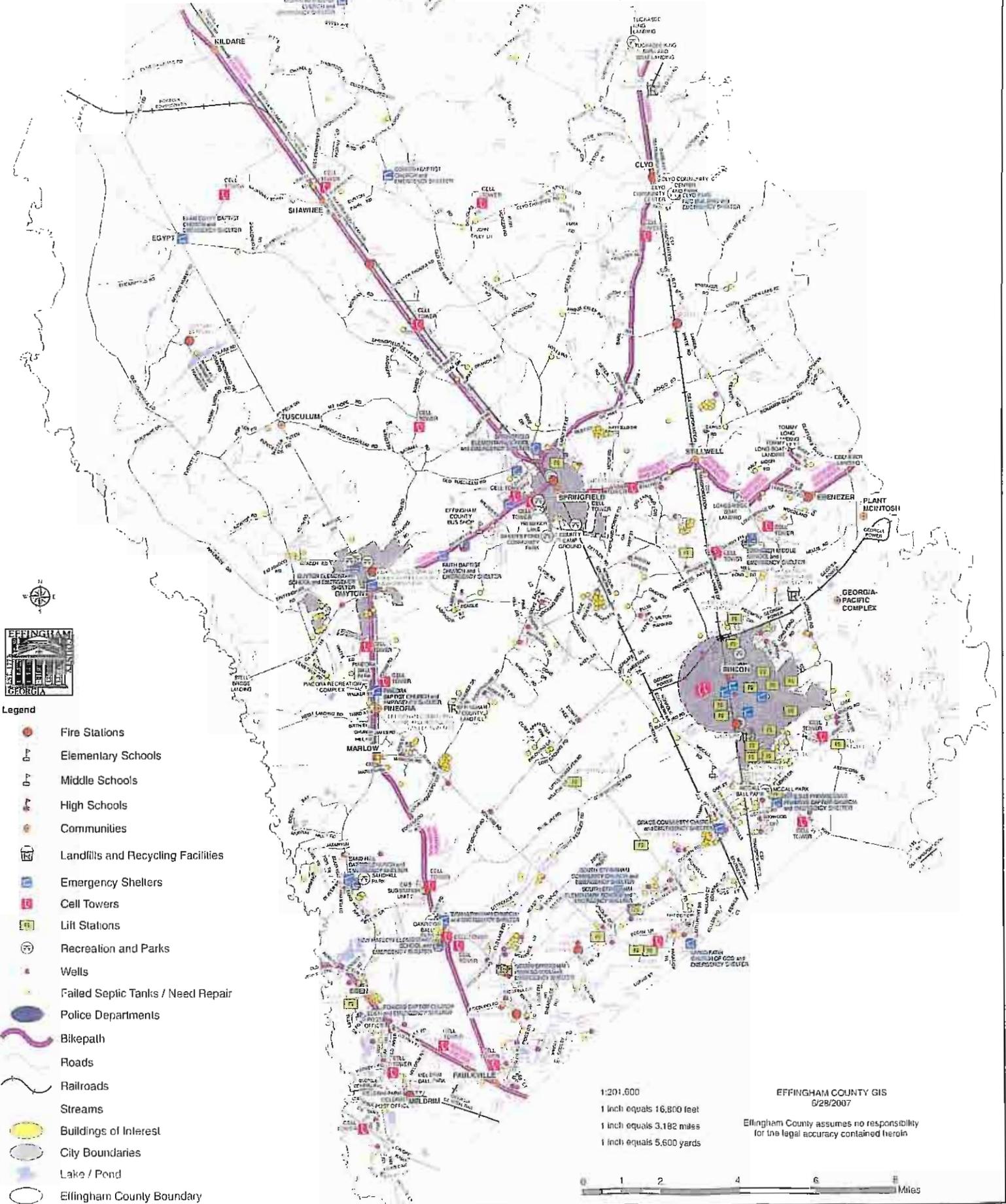
- Elementary Schools
 - Middle Schools
 - High Schools
 - Fire Stations
 - Communities
 - Interstate Routes
 - State Routes
 - Interstate Routes
 - Roads
 - Railroads
 - Streams
 - Buildings Of Interest
 - Lake / Pond
 - Municipalities
 - Parcels
- ### General Land Use
- Agriculture
 - Commercial
 - Conservation/Recreation
 - Industrial
 - Public/Institutional
 - Residential
 - Transportation/Utilities
 - Undeveloped



1:201,600
1 inch equals 16,800 feet
1 inch equals 3.18 miles
1 inch equals 5,600 yards



EFFINGHAM COUNTY COMPREHENSIVE PLAN COMMUNITY FACILITIES MAP



- Legend**
- Fire Stations
 - Elementary Schools
 - Middle Schools
 - High Schools
 - Communities
 - Landfills and Recycling Facilities
 - Emergency Shelters
 - Cell Towers
 - Lift Stations
 - Recreation and Parks
 - Wells
 - Failed Septic Tanks / Need Repair
 - Police Departments
 - Bikepath
 - Roads
 - Railroads
 - Streams
 - Buildings of Interest
 - City Boundaries
 - Lake / Pond
 - Effingham County Boundary

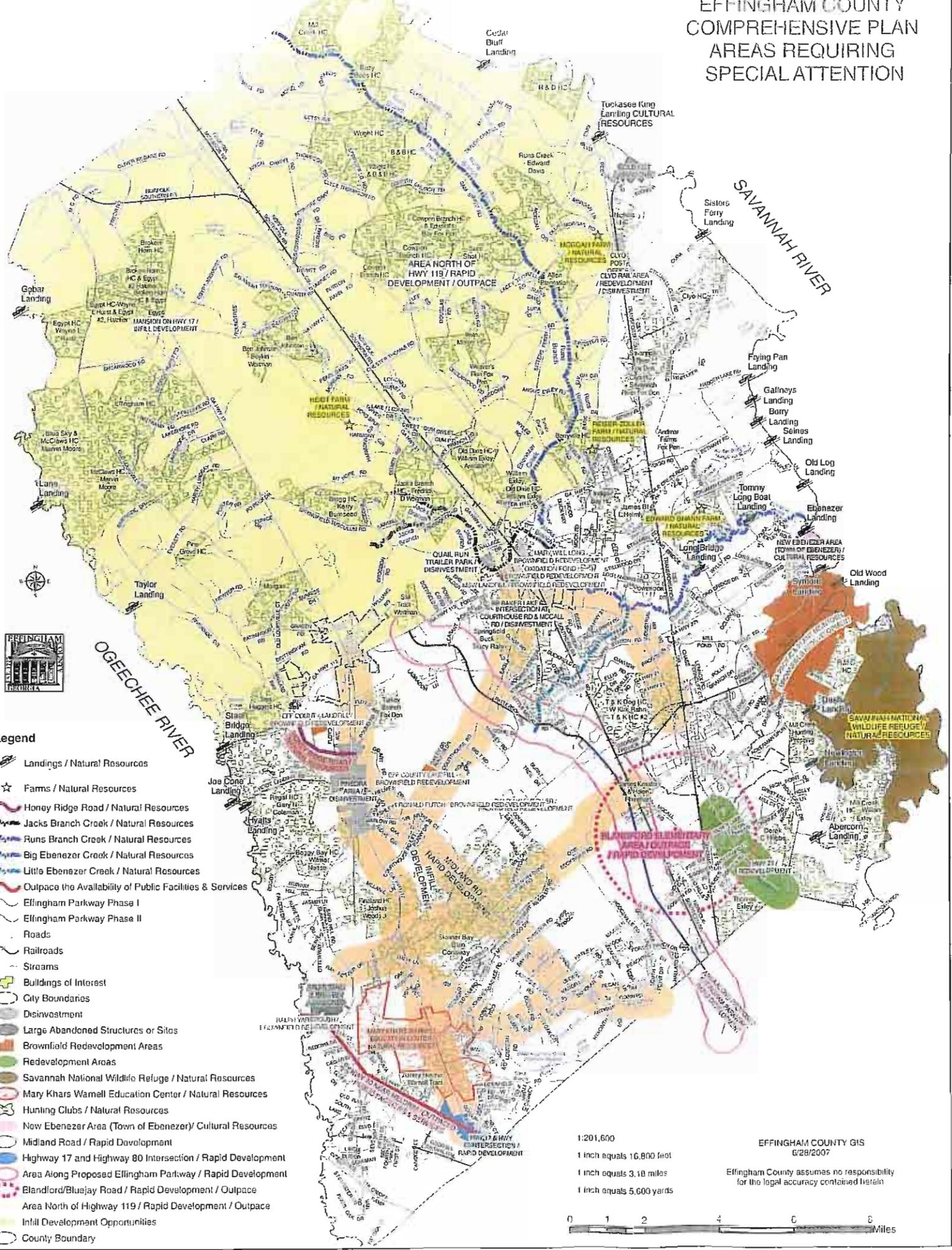
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 1 inch equals 16,800 feet
 1 inch equals 3,182 miles
 1 inch equals 5,600 yards

EFFINGHAM COUNTY GIS
 9/28/2007

Effingham County assumes no responsibility
 for the legal accuracy contained herein



EFFINGHAM COUNTY COMPREHENSIVE PLAN AREAS REQUIRING SPECIAL ATTENTION



- Legend**
- Landings / Natural Resources
 - Farms / Natural Resources
 - Honey Ridge Road / Natural Resources
 - Jacks Branch Creek / Natural Resources
 - Runs Branch Creek / Natural Resources
 - Big Ebenezer Creek / Natural Resources
 - Little Ebenezer Creek / Natural Resources
 - Outpace the Availability of Public Facilities & Services
 - Effingham Parkway Phase I
 - Effingham Parkway Phase II
 - Roads
 - Railroads
 - Streams
 - Buildings of Interest
 - City Boundaries
 - Disinvestment
 - Large Abandoned Structures or Sites
 - Brownfield Redevelopment Areas
 - Redevelopment Areas
 - Savannah National Wildlife Refuge / Natural Resources
 - Mary Khars Wamell Education Center / Natural Resources
 - Hunting Clubs / Natural Resources
 - New Ebenezer Area (Town of Ebenezer) Cultural Resources
 - Midland Road / Rapid Development
 - Highway 17 and Highway 80 Intersection / Rapid Development
 - Area Along Proposed Effingham Parkway / Rapid Development
 - Blandford/Bluejay Road / Rapid Development / Outpace
 - Area North of Highway 119 / Rapid Development / Outpace
 - Infill Development Opportunities
 - County Boundary

1:201,600
 1 inch equals 16,800 feet
 1 inch equals 3.10 miles
 1 inch equals 5,600 yards

EFFINGHAM COUNTY GIS
 6/28/2007

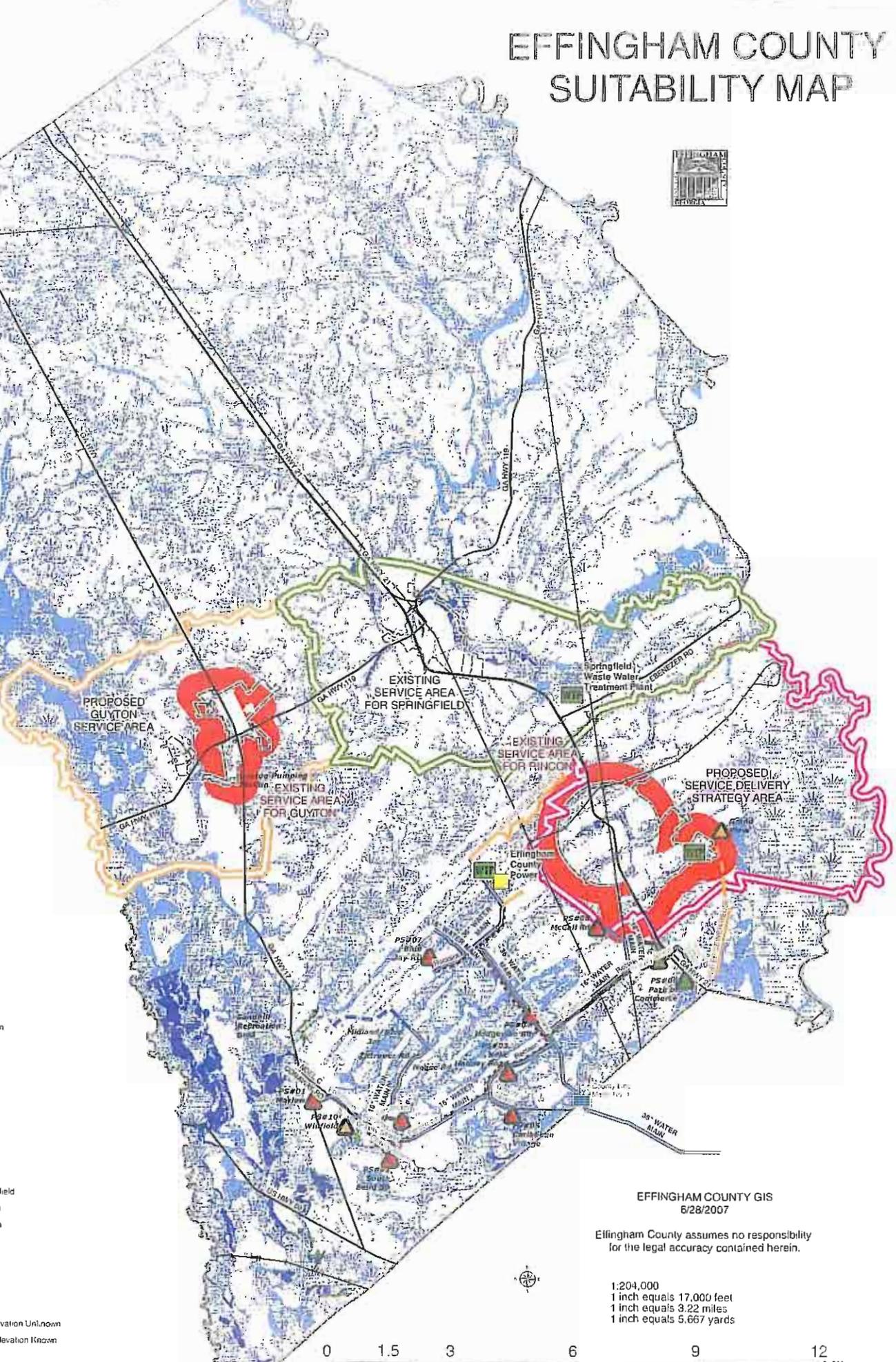
Effingham County assumes no responsibility for the legal accuracy contained herein

0 1 2 4 6 8 Miles

EFFINGHAM COUNTY SUITABILITY MAP



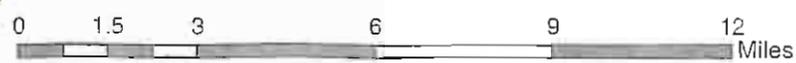
- Legend**
- County Line Meter
 - Effingham Power Station
 - Wastewater Treatment Plant
- Pump Station Status**
- Constructed
 - Under Design
 - Under Construction
- Water/Sewer/Reuse TYPE**
- FUTURE PROPOSED
 - PROPOSED
- Water STATUS**
- Existing
 - Proposed
- WW Gravity Sewer Type, Status**
- Gravity Sewer, Constructed
 - Gravity Sewer, Under Construction
- Wastewater Type, Status**
- Forcemain, Constructed
 - Forcemain, Under Construction
 - Forcemain, Under Design
 - Reclaim, Constructed
 - Reclaim, Under Construction
 - State Routes
 - Railroads
 - Proposed Service Area for Springfield
 - Proposed Service Area for Hincan
 - Proposed Service Area for Guyton
 - City Boundaries
 - Existing Service Areas
 - County Boundary
 - Wetlands
- FEMA Flood Zones**
- A 100-Year Flood Base Flood Elevation Unknown
 - AE 100-Year Flood Base Flood Elevation Known
 - X500 500-Year Flood Zone
 - X Outside 500-Year Flood Zone



EFFINGHAM COUNTY GIS
6/28/2007

Effingham County assumes no responsibility for the legal accuracy contained herein.

1:204,000
1 inch equals 17,000 feet
1 inch equals 3.22 miles
1 inch equals 5.667 yards



EFFINGHAM COUNTY COMPREHENSIVE PLAN TRANSPORTATION NETWORK

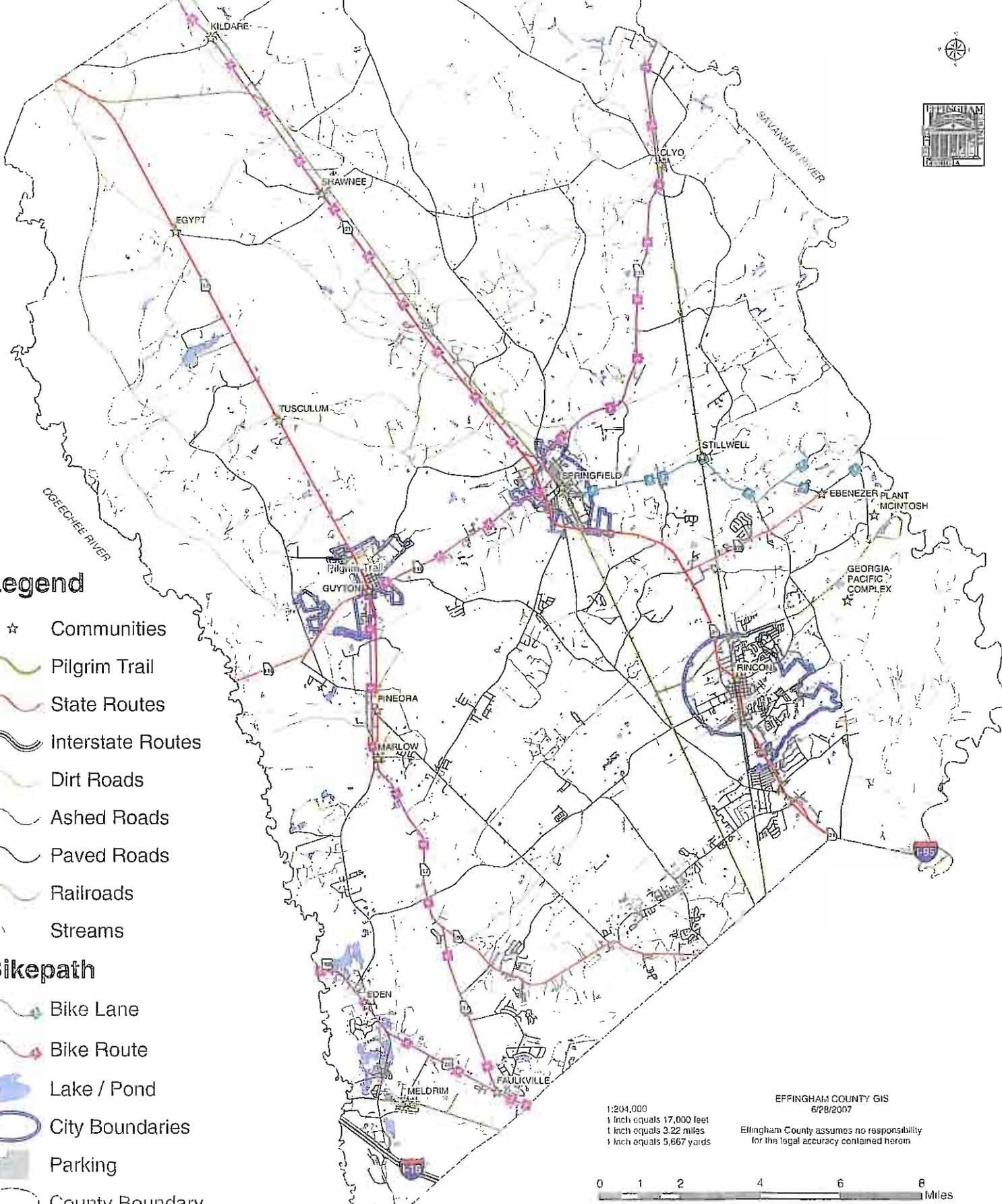


Legend

- ☆ Communities
- Pilgrim Trail
- State Routes
- Interstate Routes
- Dirt Roads
- Ashed Roads
- Paved Roads
- Railroads
- Streams

Bikepath

- Bike Lane
- Bike Route
- Lake / Pond
- City Boundaries
- Parking
- County Boundary



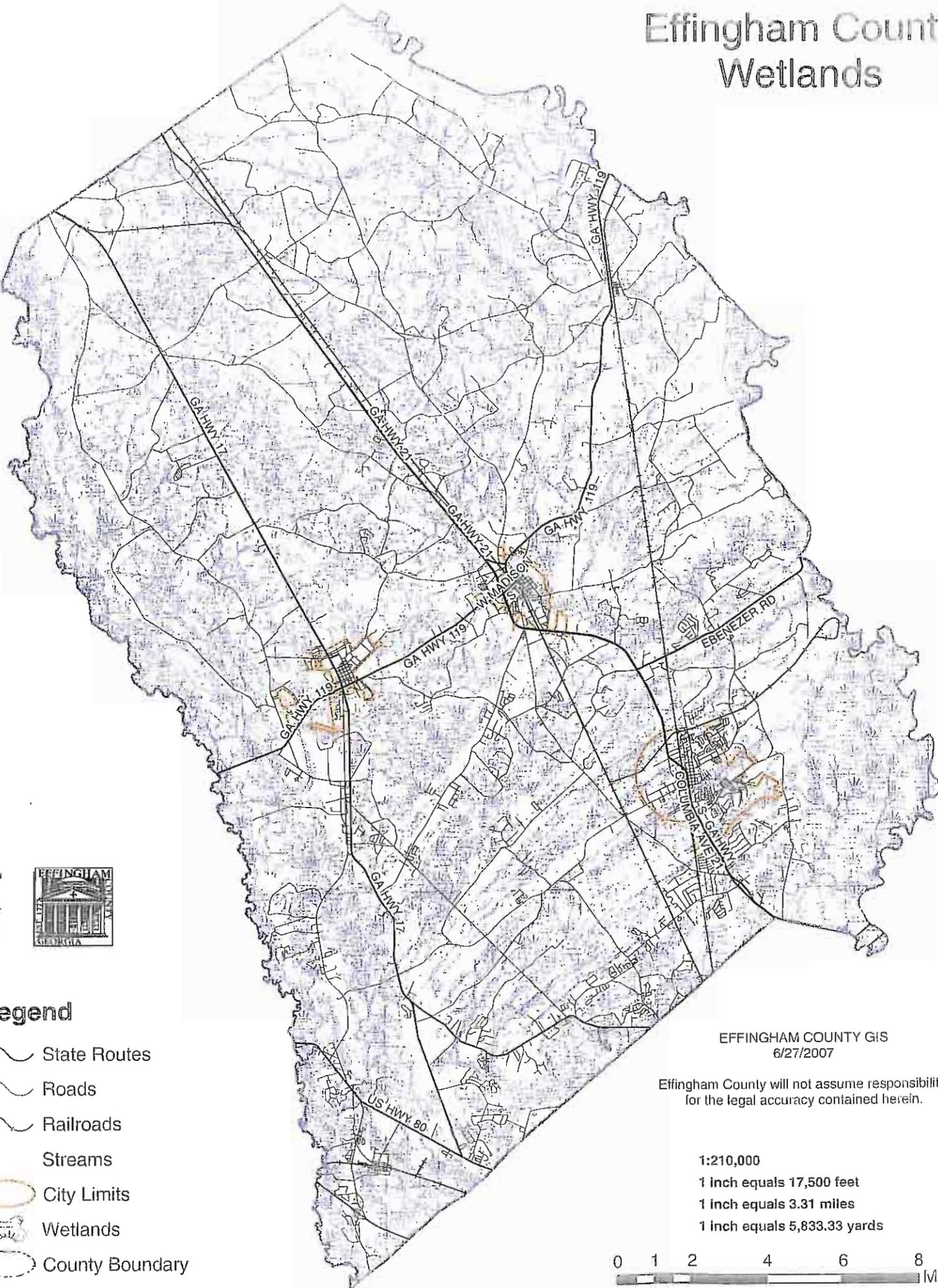
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 1 inch equals 17,000 feet
 1 inch equals 3.22 miles
 1 inch equals 5,667 yards

EFFINGHAM COUNTY GIS
 6/28/2007

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 for the legal accuracy contained herein



Effingham County Wetlands



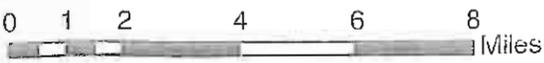
Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- Wetlands
- County Boundary

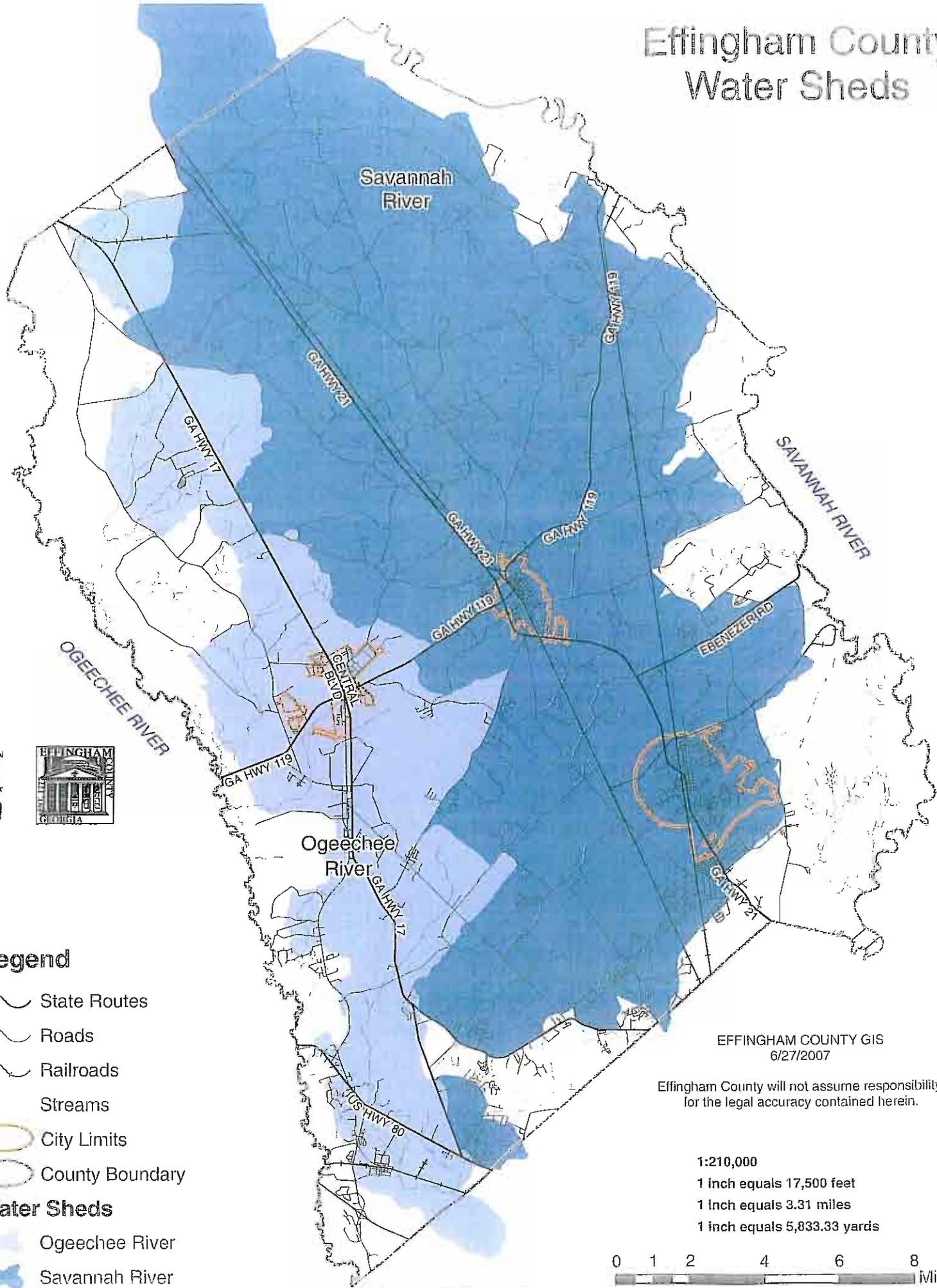
EFFINGHAM COUNTY GIS
6/27/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:210,000
1 inch equals 17,500 feet
1 inch equals 3.31 miles
1 inch equals 5,833.33 yards



Effingham County Water Sheds



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary

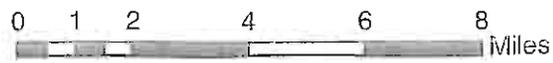
Water Sheds

- Ogeechee River
- Savannah River

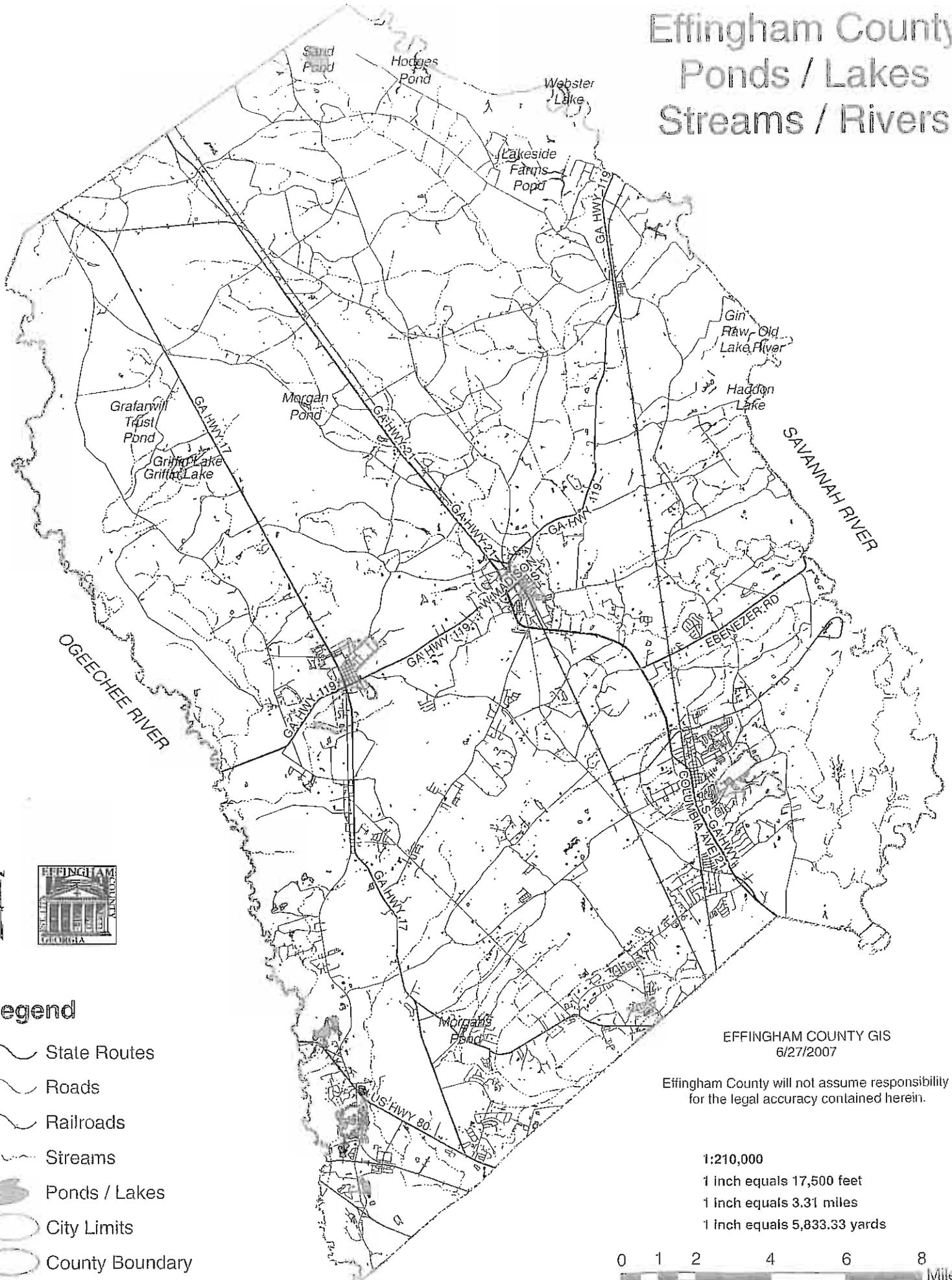
EFFINGHAM COUNTY GIS
6/27/2007

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1:210,000
1 inch equals 17,500 feet
1 inch equals 3.31 miles
1 inch equals 5,833.33 yards



Effingham County Ponds / Lakes Streams / Rivers



Legend

- State Routes
- Roads
- Railroads
- Streams
- Ponds / Lakes
- City Limits
- County Boundary

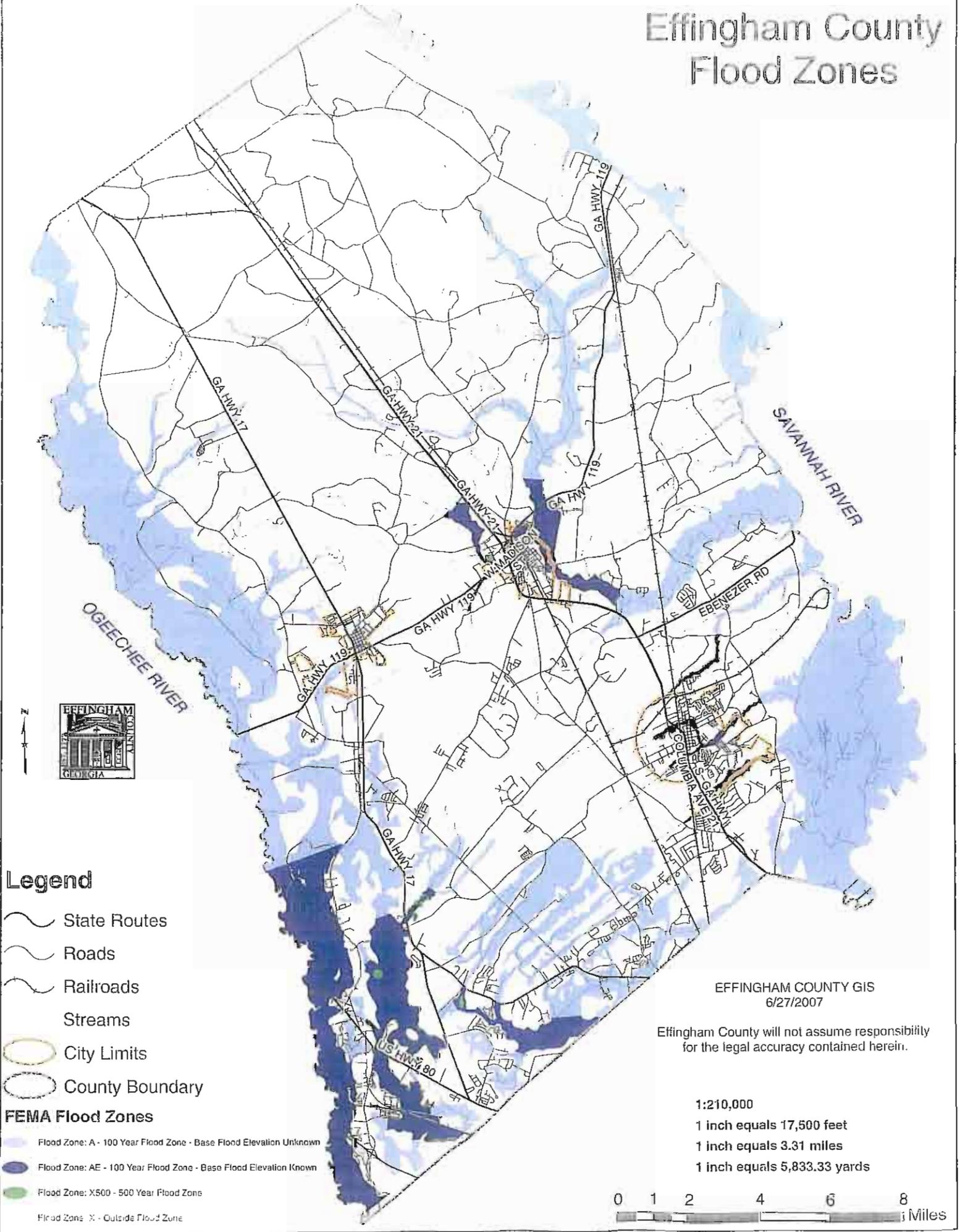
EFFINGHAM COUNTY GIS
6/27/2007

Effingham County will not assume responsibility
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1:210,000
1 inch equals 17,500 feet
1 inch equals 3.31 miles
1 inch equals 5,833.33 yards



Effingham County Flood Zones



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary

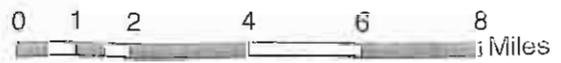
FEMA Flood Zones

- Flood Zone: A - 100 Year Flood Zone - Base Flood Elevation Unknown
- Flood Zone: AE - 100 Year Flood Zone - Base Flood Elevation Known
- Flood Zone: X500 - 500 Year Flood Zone
- Flood Zone: X - Outside Flood Zone

EFFINGHAM COUNTY GIS
6/27/2007

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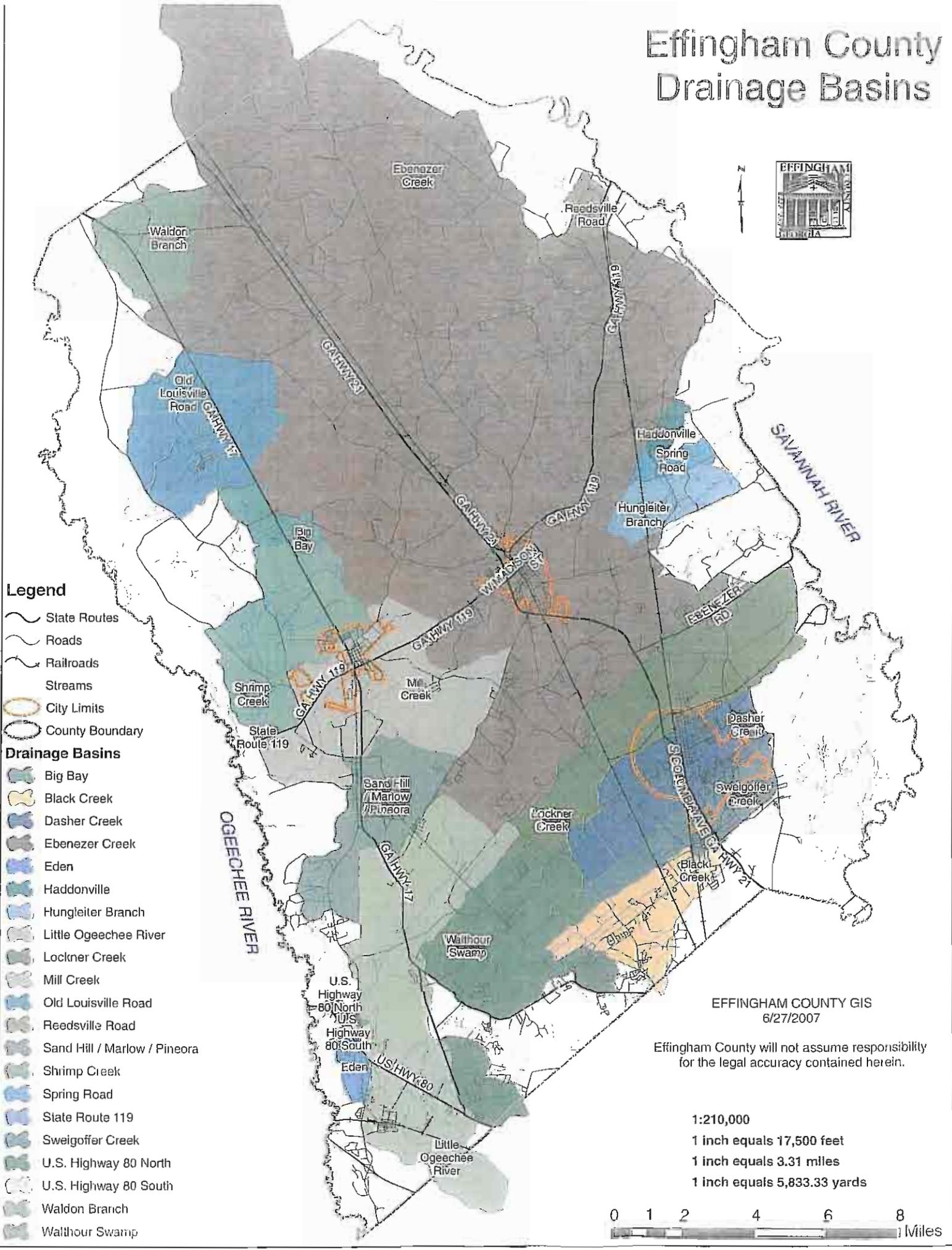
1:210,000
1 inch equals 17,500 feet
1 inch equals 3.31 miles
1 inch equals 5,833.33 yards



Effingham County Drainage Basins



- Legend**
- State Routes
 - Roads
 - Railroads
 - Streams
 - City Limits
 - County Boundary
- Drainage Basins**
- Big Bay
 - Black Creek
 - Dasher Creek
 - Ebenezer Creek
 - Eden
 - Haddonville
 - Hungleiter Branch
 - Little Ogeechee River
 - Lockner Creek
 - Mill Creek
 - Old Louisville Road
 - Reedsville Road
 - Sand Hill / Marlow / Pineora
 - Shrimp Creek
 - Spring Road
 - State Route 119
 - Sweigoffer Creek
 - U.S. Highway 80 North
 - U.S. Highway 80 South
 - Waldon Branch
 - Walthour Swamp



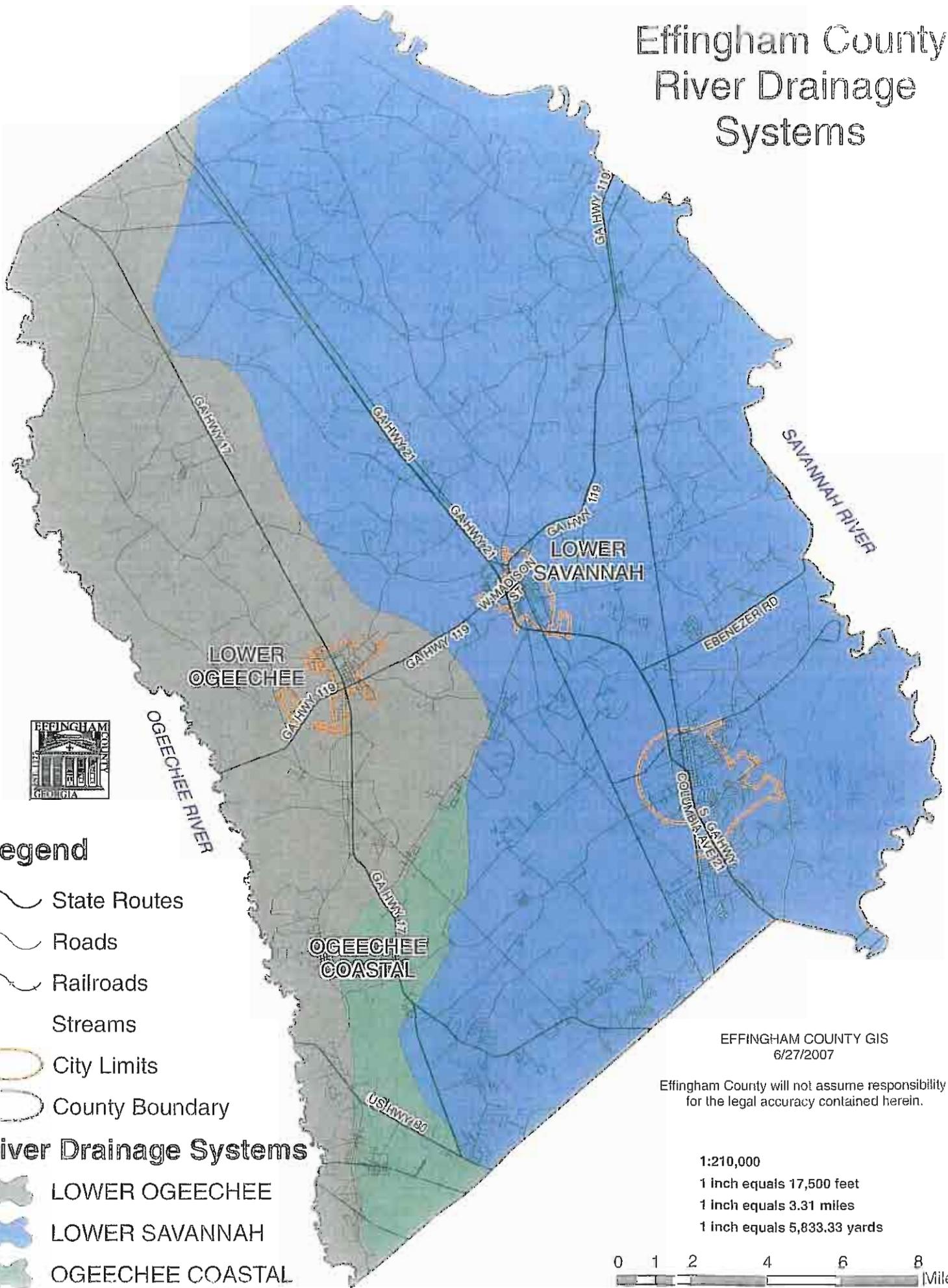
EFFINGHAM COUNTY GIS
6/27/2007

Effingham County will not assume responsibility for the legal accuracy contained herein.

1:210,000
1 inch equals 17,500 feet
1 inch equals 3.31 miles
1 inch equals 5,833.33 yards



Effingham County River Drainage Systems



Legend

- State Routes
- Roads
- Railroads
- Streams

- City Limits
- County Boundary

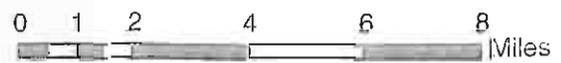
River Drainage Systems

- LOWER OGEECHEE
- LOWER SAVANNAH
- OGEECHEE COASTAL

EFFINGHAM COUNTY GIS
6/27/2007

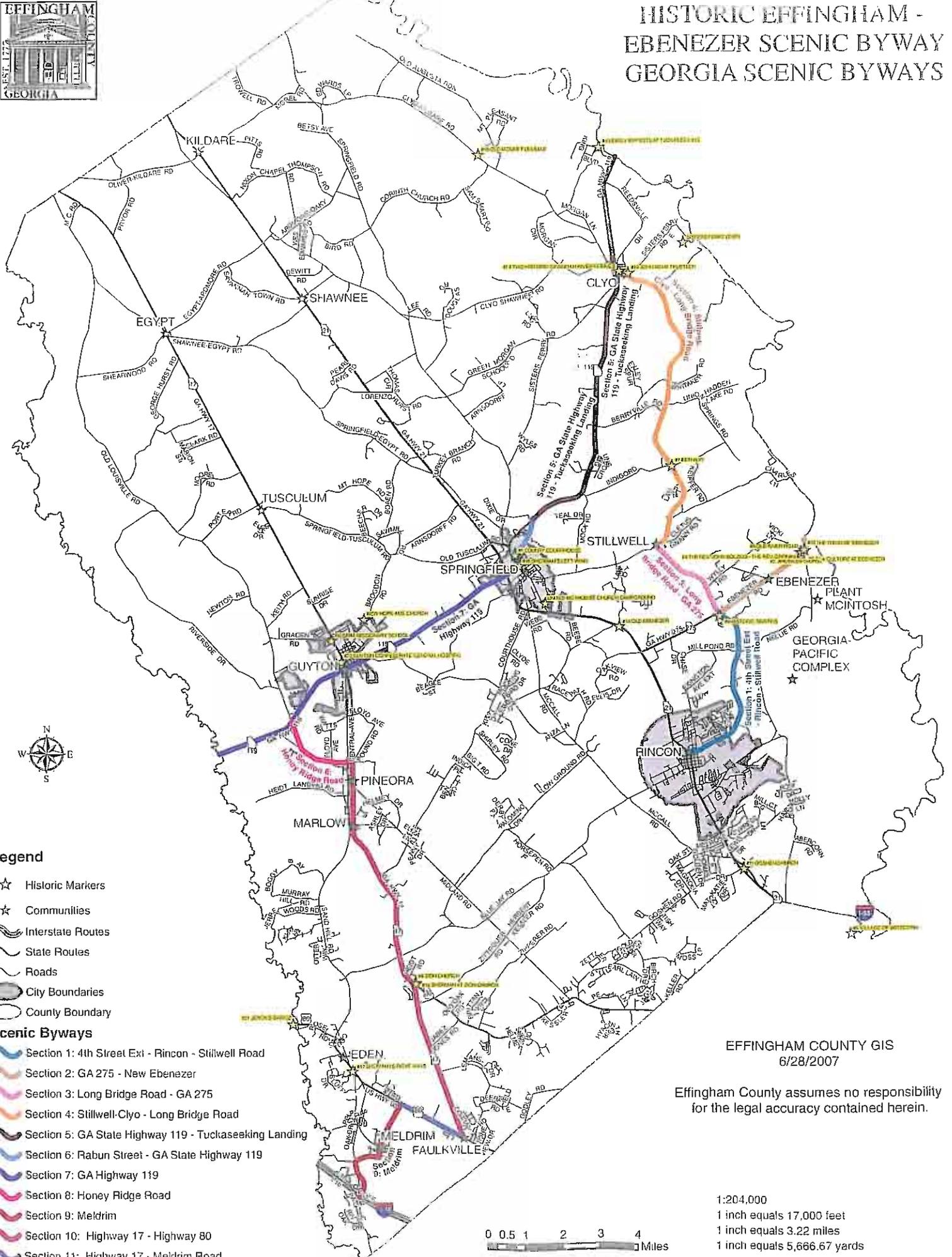
Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:210,000
1 inch equals 17,500 feet
1 inch equals 3.31 miles
1 inch equals 5,833.33 yards





HISTORIC EFFINGHAM - EBENEZER SCENIC BYWAY GEORGIA SCENIC BYWAYS

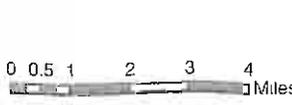


- Legend**
- ☆ Historic Markers
 - ☆ Communities
 - Interstate Routes
 - State Routes
 - Roads
 - City Boundaries
 - County Boundary

- Scenic Byways**
- Section 1: 4th Street Exit - Rincon - Stillwell Road
 - Section 2: GA 275 - New Ebenezer
 - Section 3: Long Bridge Road - GA 275
 - Section 4: Stillwell-Clyo - Long Bridge Road
 - Section 5: GA State Highway 119 - Tuckaseeking Landing
 - Section 6: Rabun Street - GA State Highway 119
 - Section 7: GA Highway 119
 - Section 8: Honey Ridge Road
 - Section 9: Meldrim
 - Section 10: Highway 17 - Highway 80
 - Section 11: Highway 17 - Meldrim Road

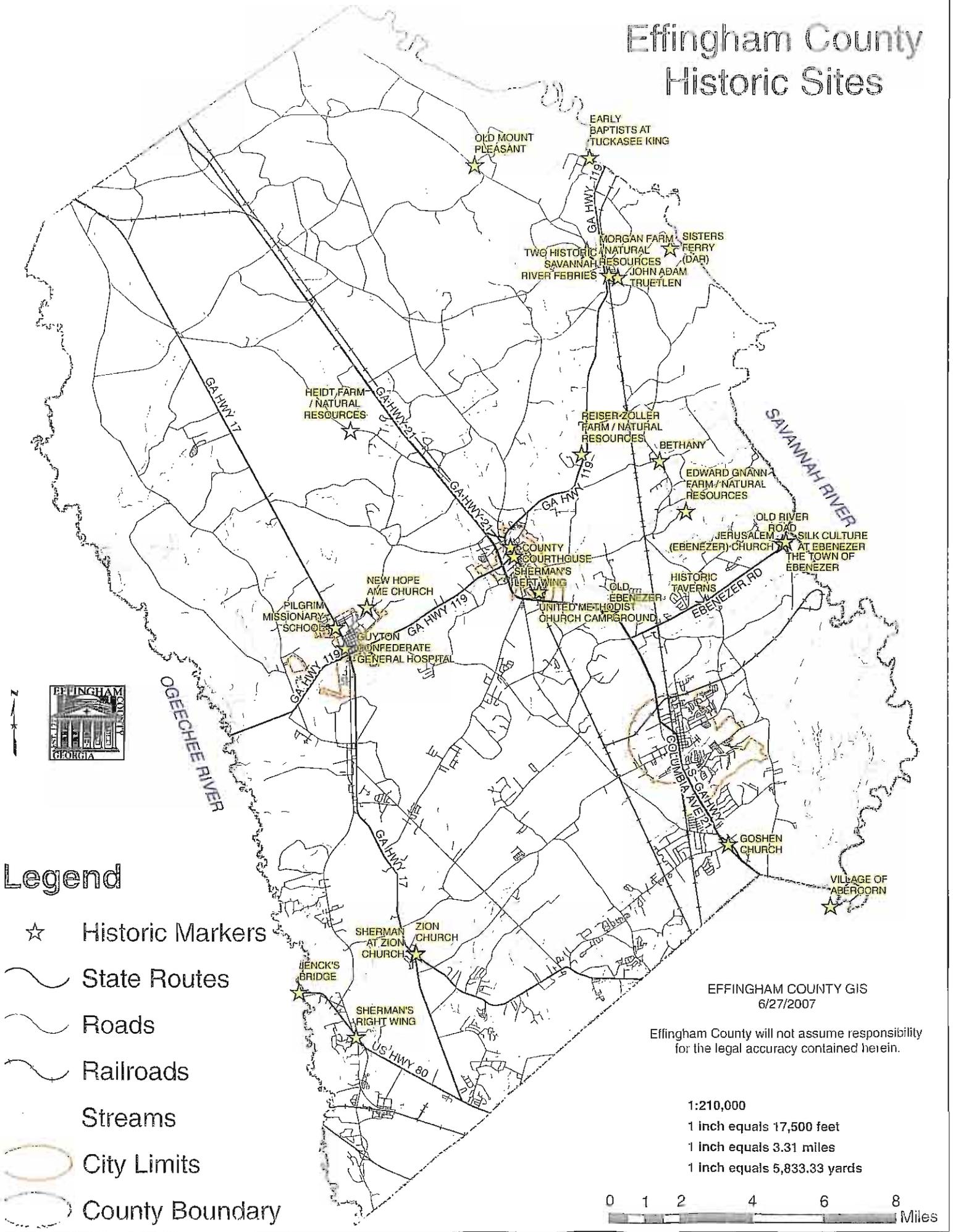
EFFINGHAM COUNTY GIS
6/28/2007

Effingham County assumes no responsibility
for the legal accuracy contained herein.



1:204,000
1 inch equals 17,000 feet
1 inch equals 3.22 miles
1 inch equals 5,666.67 yards

Effingham County Historic Sites



Legend

- ☆ Historic Markers
- ~ State Routes
- ~ Roads
- ~ Railroads
- ~ Streams
- City Limits
- County Boundary

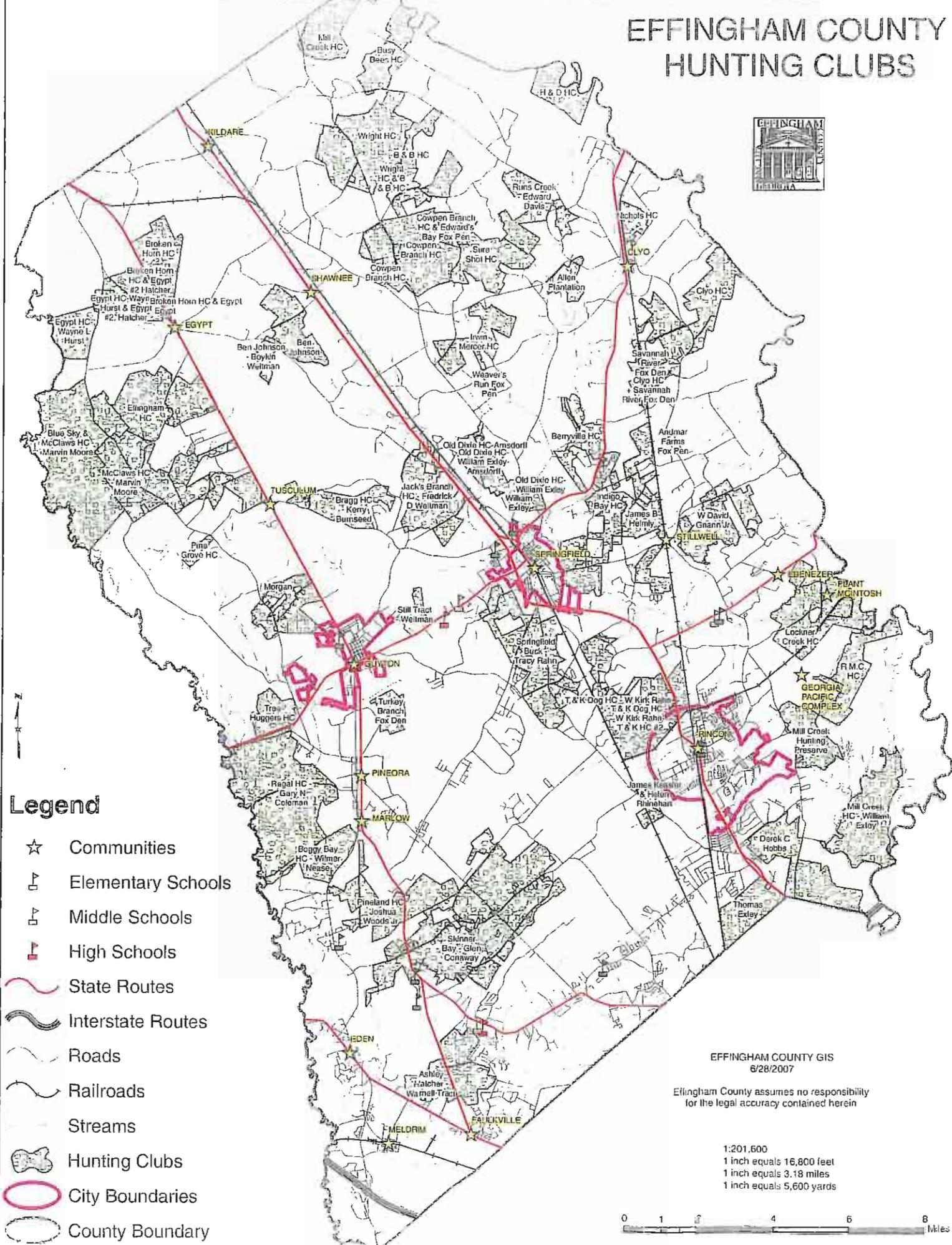
EFFINGHAM COUNTY GIS
6/27/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:210,000
1 inch equals 17,500 feet
1 inch equals 3.31 miles
1 inch equals 5,833.33 yards



EFFINGHAM COUNTY HUNTING CLUBS



Legend

- ☆ Communities
- 🏫 Elementary Schools
- 🏫 Middle Schools
- 🏫 High Schools
- 🛣️ State Routes
- 🛣️ Interstate Routes
- 🛣️ Roads
- 🚂 Railroads
- 🌊 Streams
- 🐾 Hunting Clubs
- 🏙️ City Boundaries
- 🗺️ County Boundary

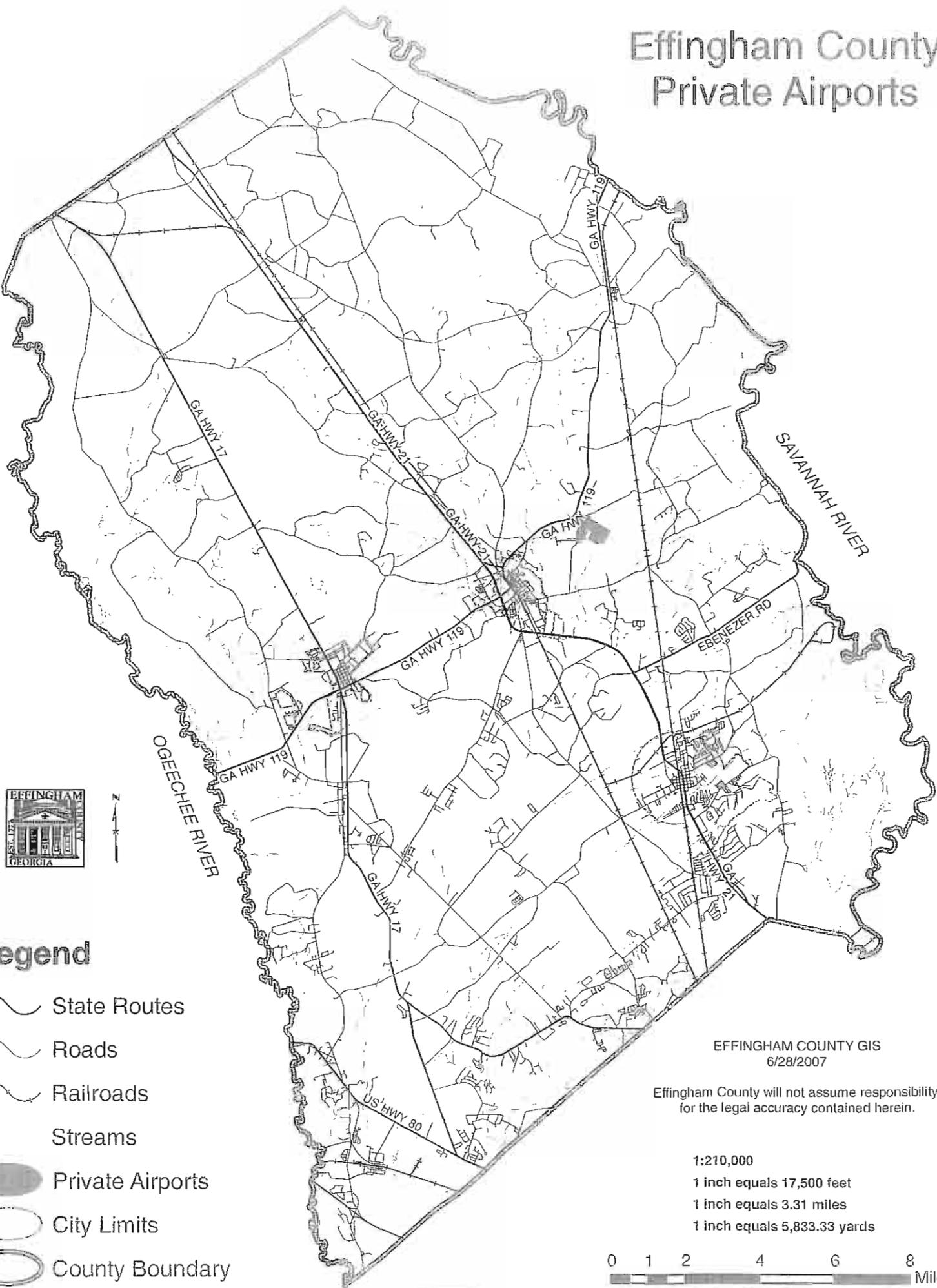
EFFINGHAM COUNTY GIS
6/28/2007

Effingham County assumes no responsibility
for the legal accuracy contained herein

1:201,600
1 inch equals 16,800 feet
1 inch equals 3.18 miles
1 inch equals 5,600 yards



Effingham County Private Airports



Legend

-  State Routes
-  Roads
-  Railroads
-  Streams
-  Private Airports
-  City Limits
-  County Boundary

EFFINGHAM COUNTY GIS
6/28/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:210,000
1 inch equals 17,500 feet
1 inch equals 3.31 miles
1 inch equals 5,833.33 yards



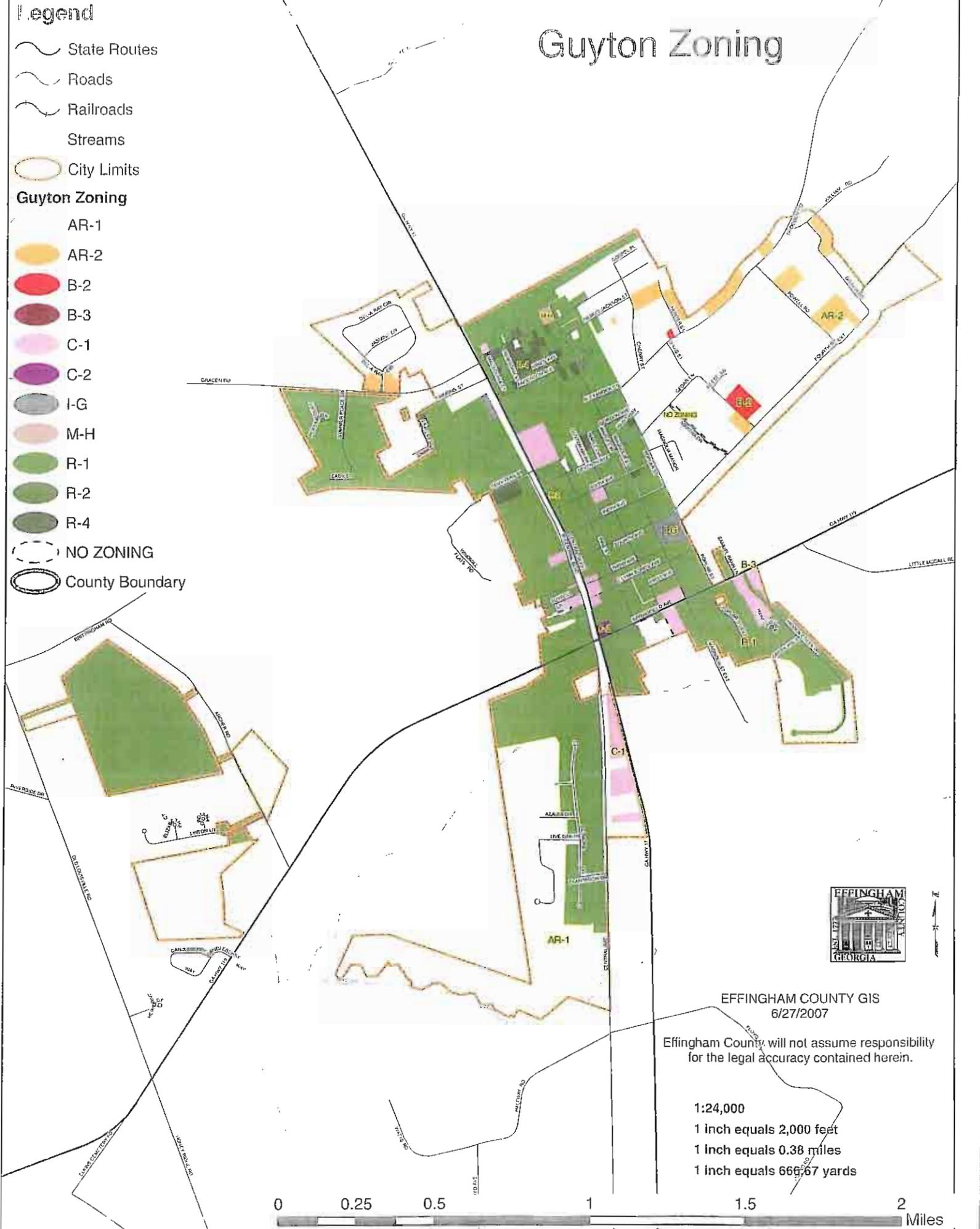
Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits

Guyton Zoning

- AR-1
- AR-2
- B-2
- B-3
- C-1
- C-2
- I-G
- M-H
- R-1
- R-2
- R-4
- NO ZONING
- County Boundary

Guyton Zoning



EFFINGHAM COUNTY GIS
6/27/2007

Effingham County will not assume responsibility for the legal accuracy contained herein.

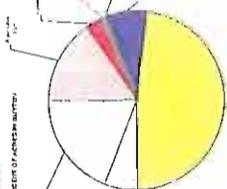
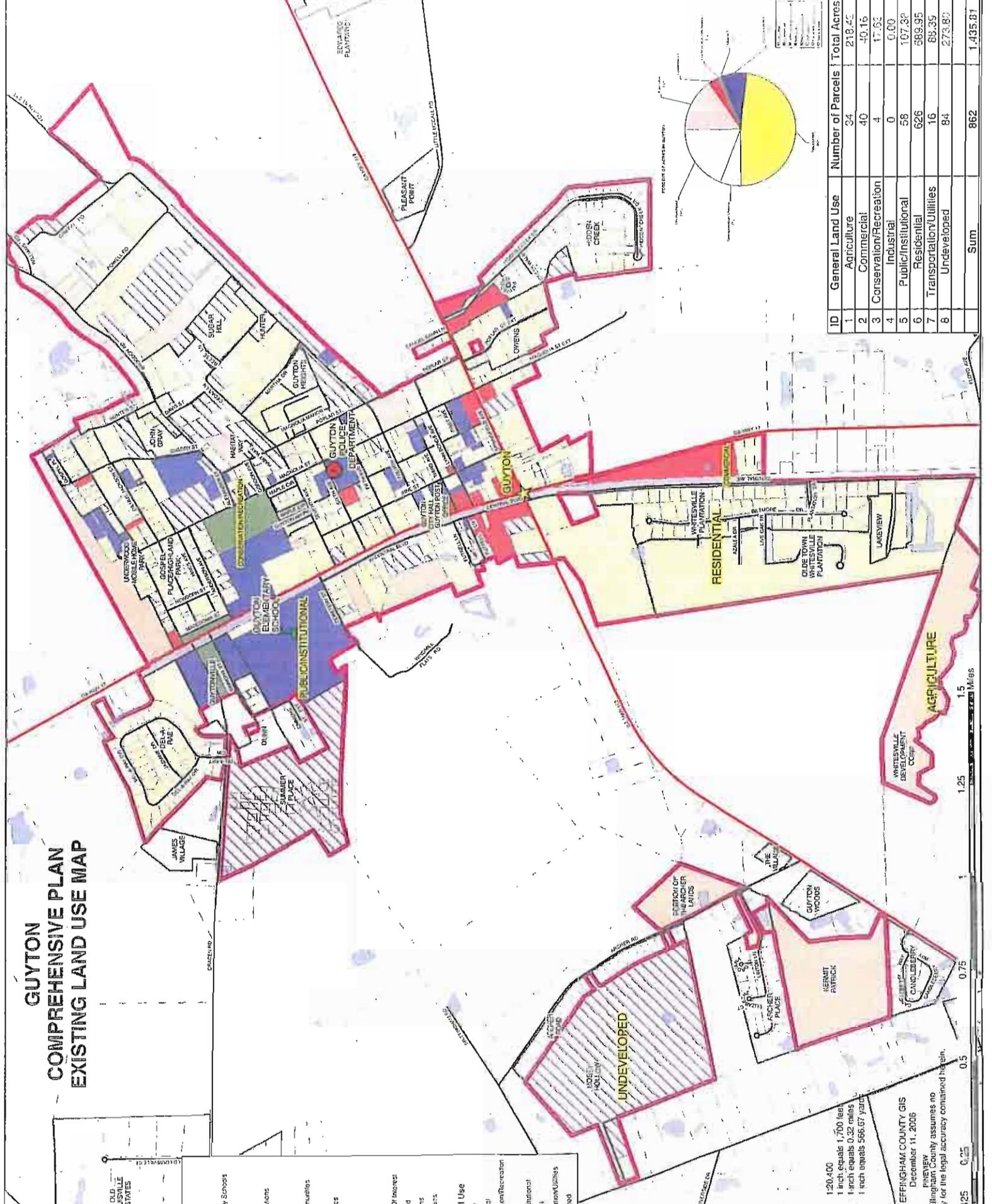
1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards



GUYTON COMPREHENSIVE PLAN EXISTING LAND USE MAP

Legend

- Elementary Schools
- Fire Stations
- Communities
- State Routes
- Roads
- Railroads
- Streams
- Buildings of Interest
- Lake / Pond
- Subdivisions
- Municipalities
- Parcels
- General Land Use**
- Agriculture
- Commercial
- Conservation/Recreation
- Industrial
- Public/Institutional
- Residential
- Transportation/Utilities
- Undeveloped

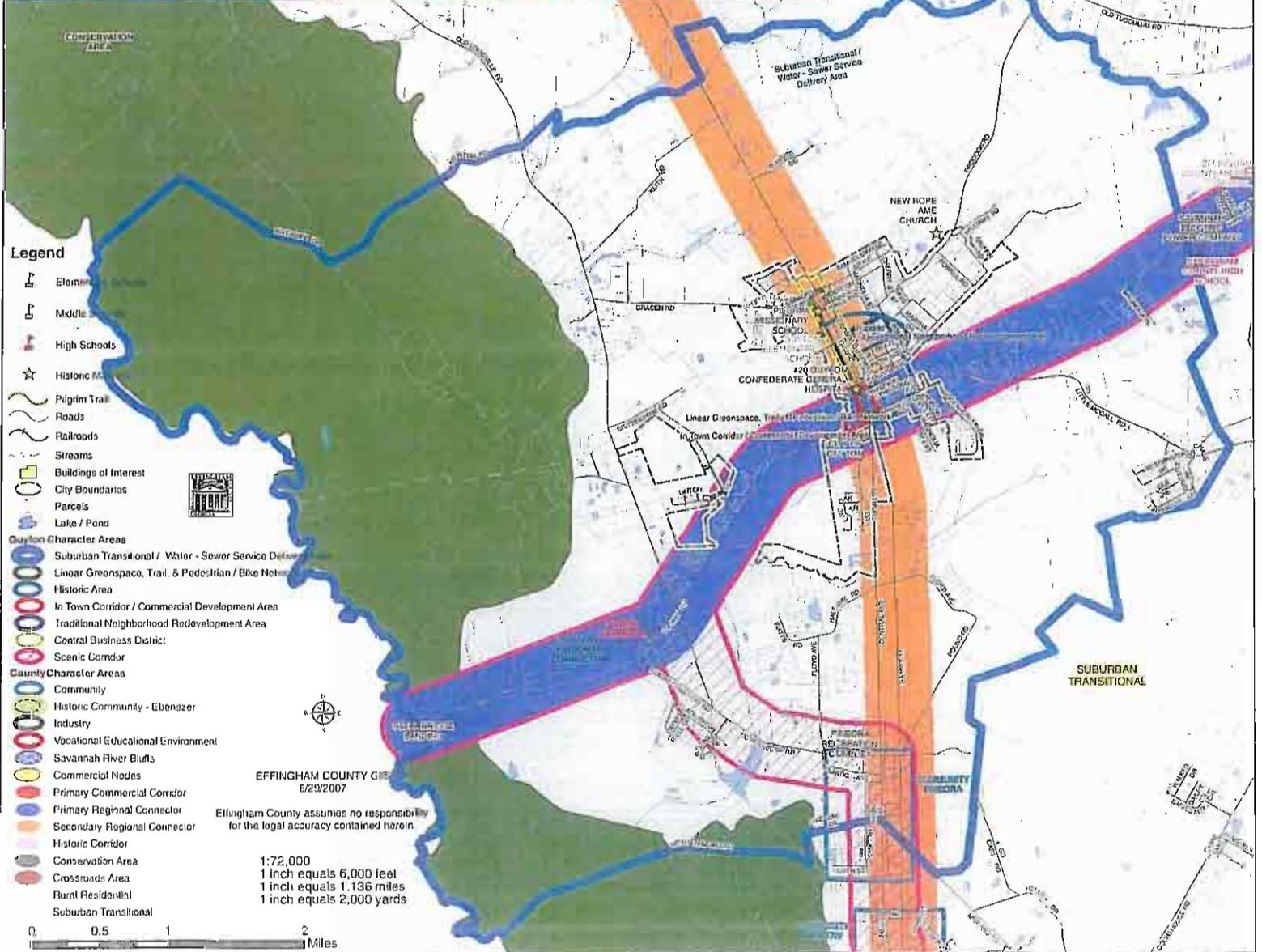
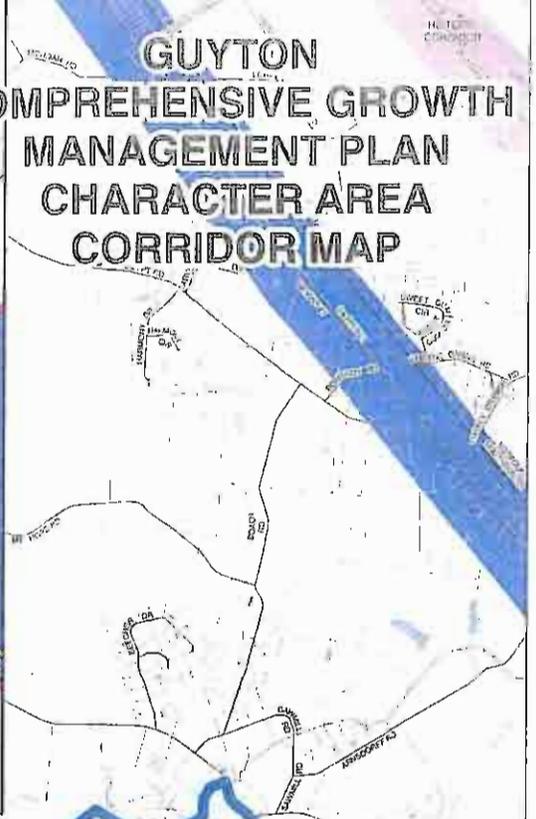
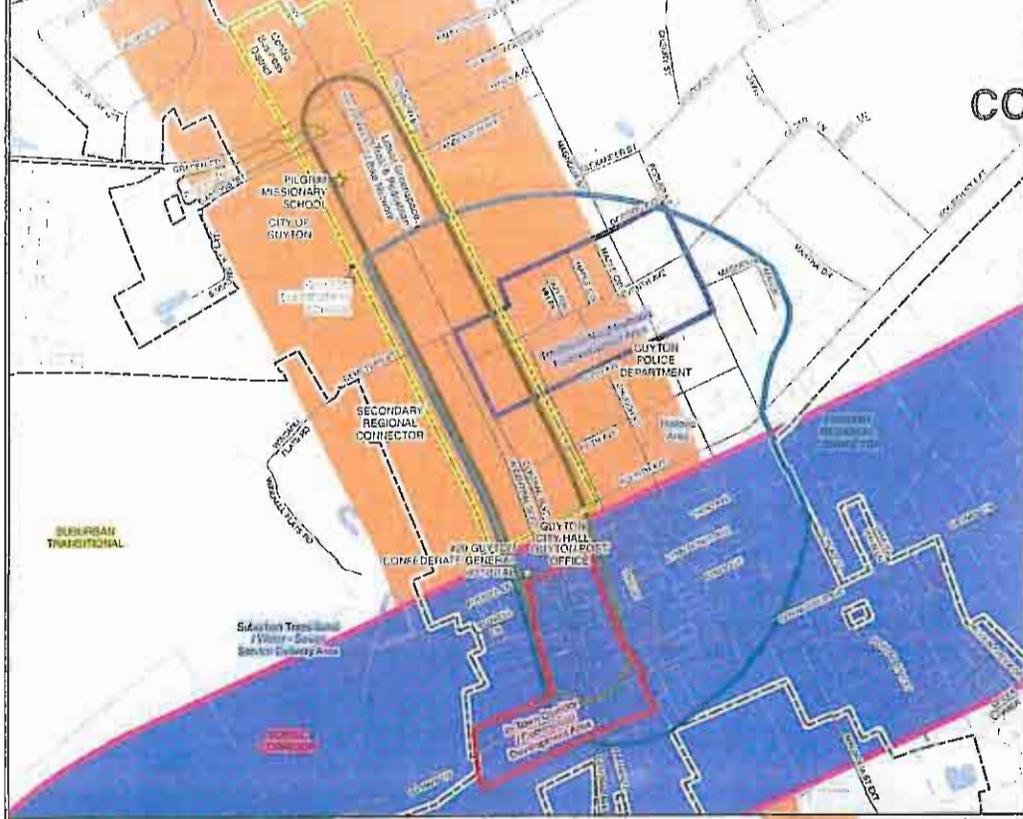


ID	General Land Use	Number of Parcels	Total Acres
1	Agriculture	34	218.42
2	Commercial	40	40.16
3	Conservation/Recreation	4	17.62
4	Industrial	0	0.00
5	Public/Institutional	58	107.38
6	Residential	626	569.95
7	Transportation/Utilities	16	68.39
8	Undeveloped	84	273.89
	Sum	862	1,435.61

120,400
1 inch equals 1,700 feet
1 inch equals 0.32 miles
1 inch equals 566.67 yards

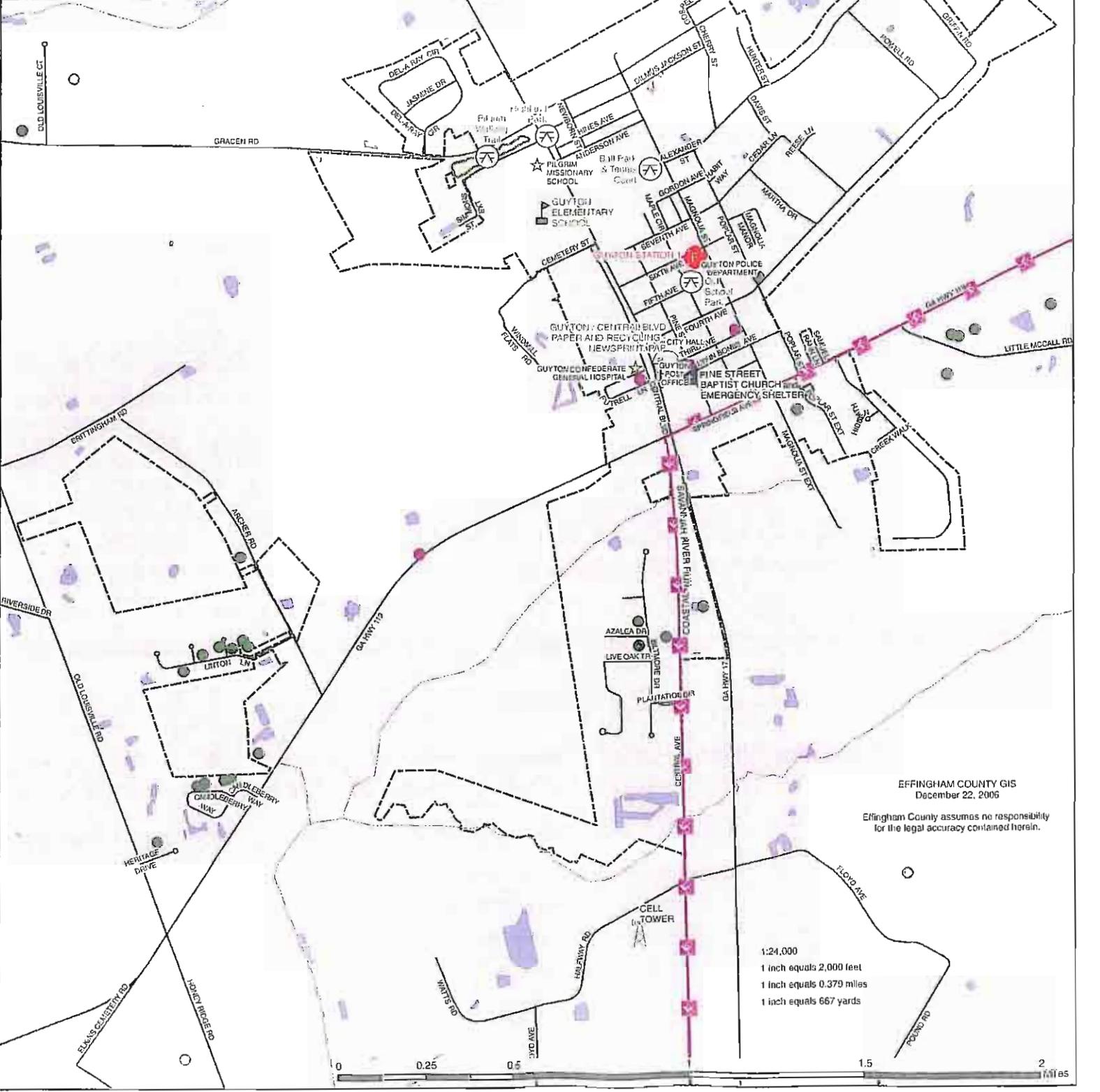
EFFINGHAM COUNTY GIS
December 11, 2006
Effingham County assumes no responsibility for the legal accuracy contained herein.

GUYTON COMPREHENSIVE GROWTH MANAGEMENT PLAN CHARACTER AREA CORRIDOR MAP



GUYTON COMPREHENSIVE PLAN COMMUNITY FACILITIES MAP

	Elementary Schools		Landfills and Recycling Facilities		Bike Route
	Middle Schools		Cell Towers		Pilgrimage Trail
	High Schools		Lift Stations		Streams
	Historic Markers		Recreation and Parks		Lake/Pond
	Churches with Emergency Shelters		Fire Stations		Buildings of Interest
	Wells		Roads		City Boundaries
	Septic Tanks		Railroads		County Boundary



EFFINGHAM COUNTY GIS
December 22, 2006
Effingham County assumes no responsibility
for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.379 miles
1 inch equals 667 yards



GUYTON SUITABILITY MAP

1:72,262
 1 inch equals 6,022 feet
 1 inch equals 1.141 miles
 1 inch equals 2,007 yards

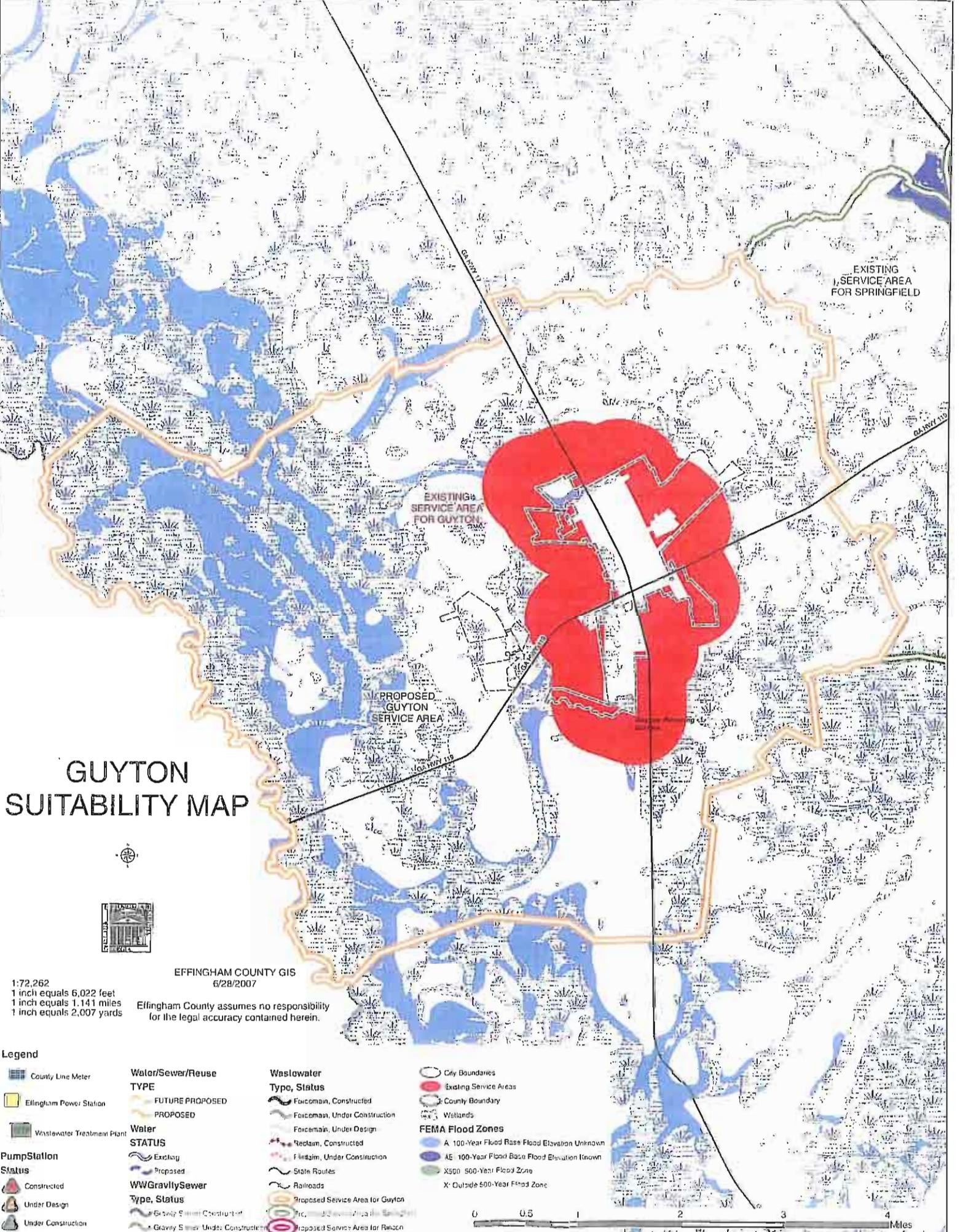
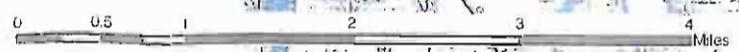
EFFINGHAM COUNTY GIS
 6/28/2007

Effingham County assumes no responsibility for the legal accuracy contained herein.

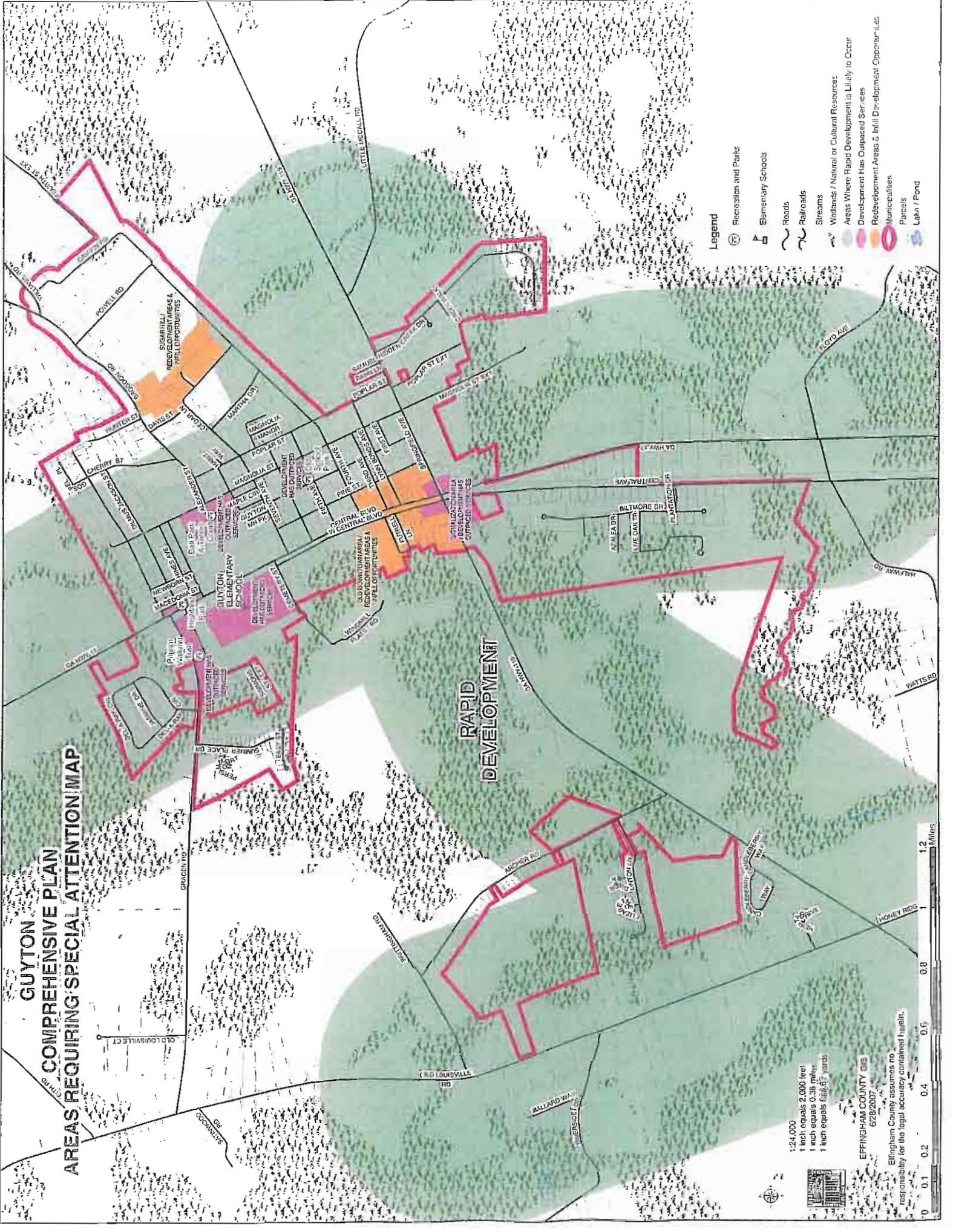
Legend

- County Line Meter
- Effingham Power Station
- Wastewater Treatment Plant
- Pump Station**
- Status**
- Constructed
- Under Design
- Under Construction
- Water/Sewer/Reuse**
- TYPE**
- FUTURE PROPOSED
- PROPOSED
- Water**
- STATUS**
- Existing
- Proposed
- WWGravilySewer**
- Type, Status**
- Gravily Sewer Constructed
- Gravily Sewer Under Construction
- Proposed Service Area for Guyton
- Proposed Service Area for Rainon
- Wastewater**
- Type, Status**
- Fauceman, Constructed
- Fauceman, Under Construction
- Fauceman, Under Design
- Retain, Constructed
- Retain, Under Construction
- State Routes
- Railroads
- Proposed Service Area for Guyton
- Proposed Service Area for Rainon

- City Boundaries
- Existing Service Areas
- County Boundary
- Wetlands
- FEMA Flood Zones**
- A 100-Year Flood Base Flood Elevation Unknown
- AE 100-Year Flood Base Flood Elevation Known
- X500 500-Year Flood Zone
- X Outside 500-Year Flood Zone



GUYTON COMPREHENSIVE PLAN AREAS REQUIRING SPECIAL ATTENTION MAP



- Legend**
- Pond
 - Municipalities
 - Parcels
 - Redevelopment Areas & Initial Development Opportunities
 - Development Has Outpaced Services
 - Areas Where Rapid Development is Likely to Occur
 - Streams / Natural or Cultural Resources
 - Wetlands / Natural or Cultural Resources
 - Streams
 - Railroads
 - Roads
 - Elementary Schools
 - Recreation and Parks

1:24,000
 1 inch equals 2,000 feet
 1 inch equals 0.39 miles
 1 inch equals 666.67 yards

EFFINGHAM COUNTY GIS
 6/28/2007

Effingham County assumes no responsibility for the legal accuracy contained herein.



Legend

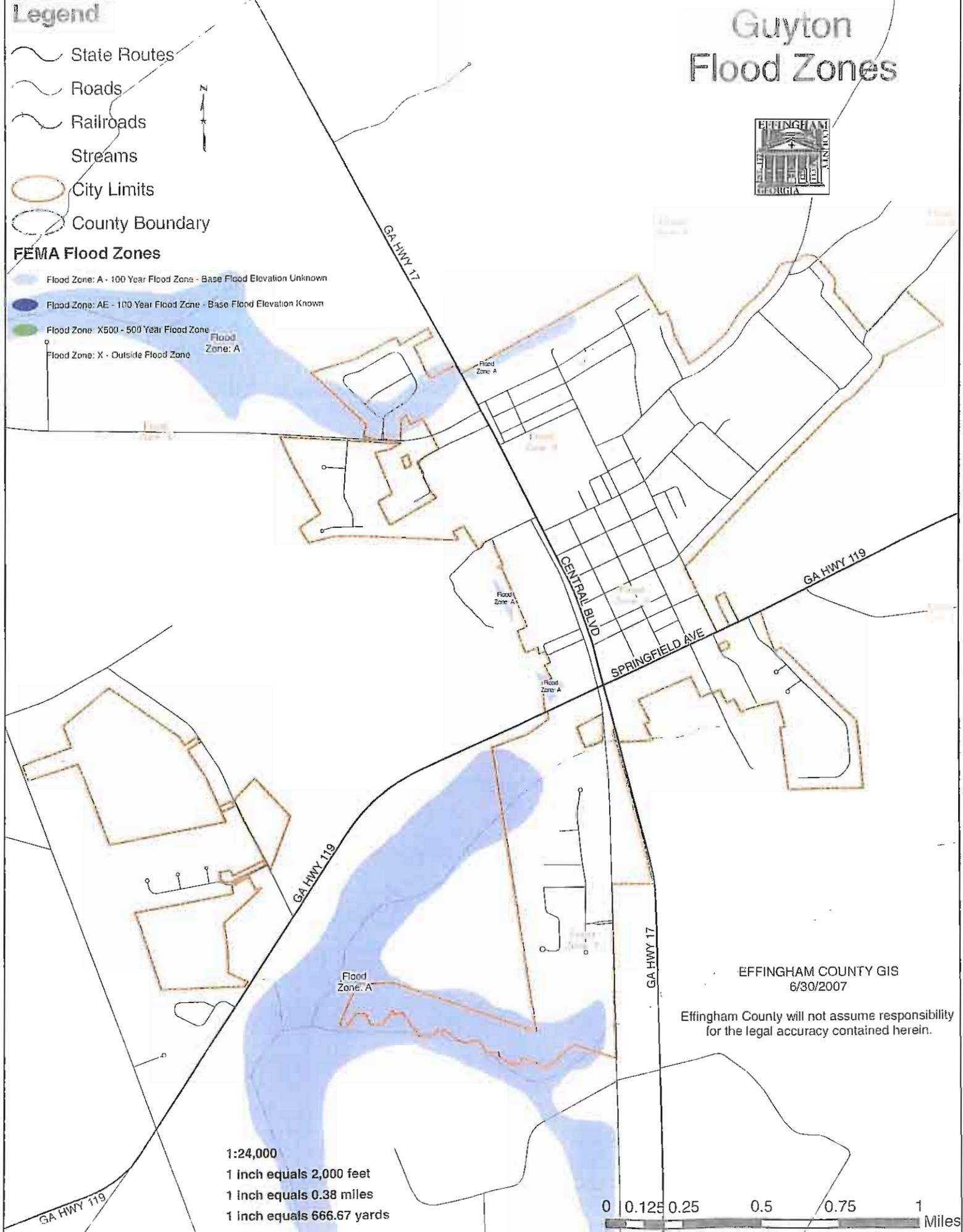
- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary

Guyton Flood Zones



FEMA Flood Zones

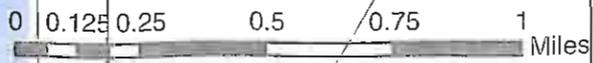
- Flood Zone: A - 100 Year Flood Zone - Base Flood Elevation Unknown
- Flood Zone: AE - 100 Year Flood Zone - Base Flood Elevation Known
- Flood Zone: X500 - 500 Year Flood Zone
- Flood Zone: X - Outside Flood Zone



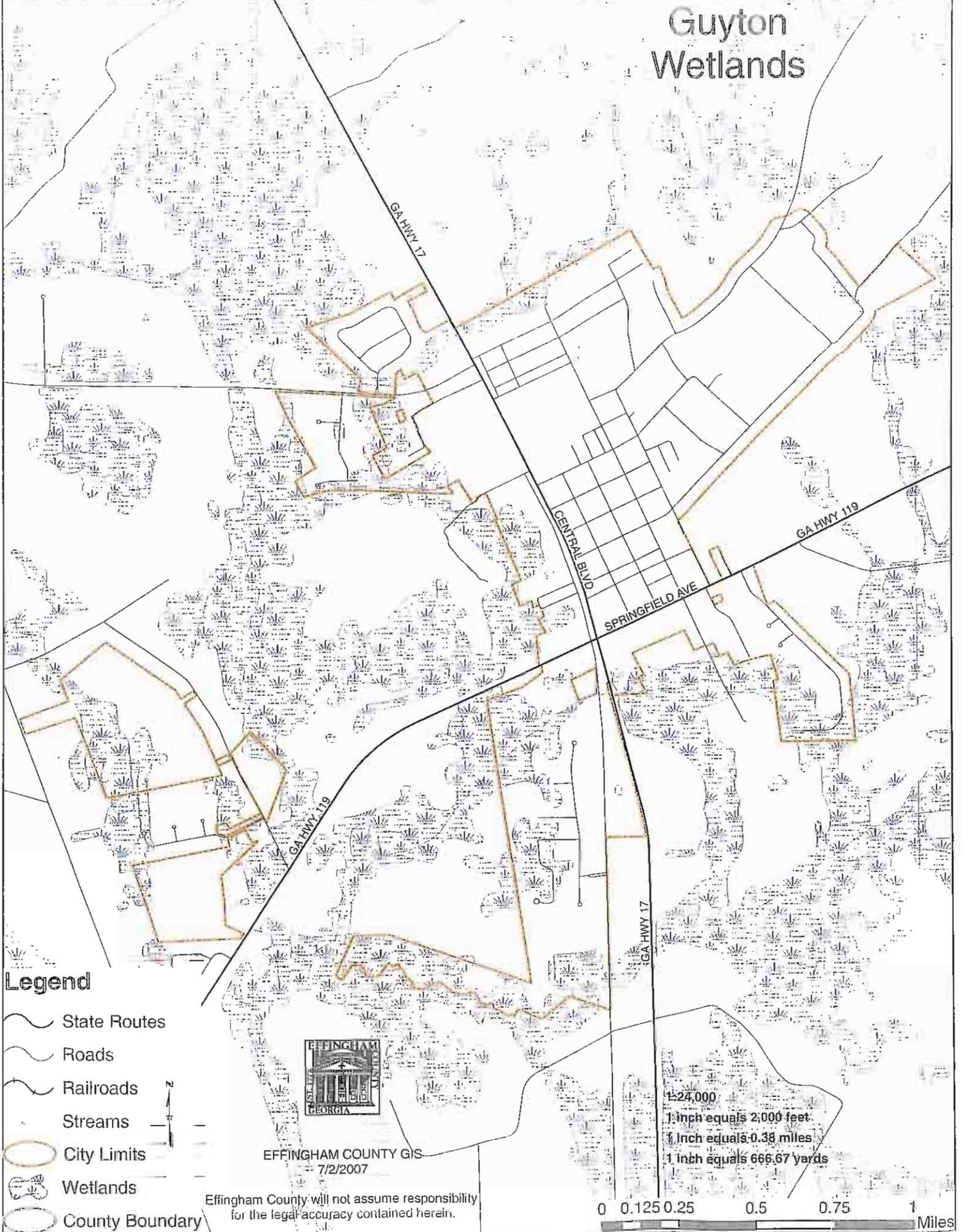
EFFINGHAM COUNTY GIS
6/30/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards



Guyton Wetlands



Legend

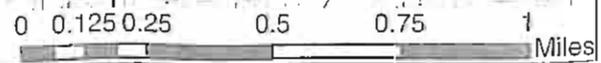
-  State Routes
-  Roads
-  Railroads
-  Streams
-  City Limits
-  Wetlands
-  County Boundary



EFFINGHAM COUNTY GIS
7/2/2007

Effingham County will not assume responsibility for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary

Water Sheds

- Ogeechee River
- Savannah River

Guyton Water Sheds

Savannah
River

Ogeechee
River



GA HWY 17

CENTRAL BLD

SPRINGFIELD AVE

GA HWY 119

GA HWY 119

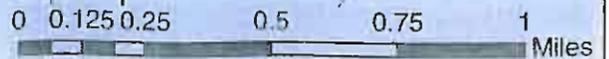
GA HWY 17

GA HWY 119

EFFINGHAM COUNTY GIS
7/2/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- Ground Water Recharge Zones
- County Boundary

Guyton Ground Water Recharge Zones



1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards

EFFINGHAM COUNTY GIS
7/2/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.



Legend

- State Routes
- Roads
- Railroads
- Streams
- Ponds / Lakes
- City Limits
- County Boundary

Guyton Ponds / Lakes Streams / Rivers



EFFINGHAM COUNTY GIS
7/2/2007

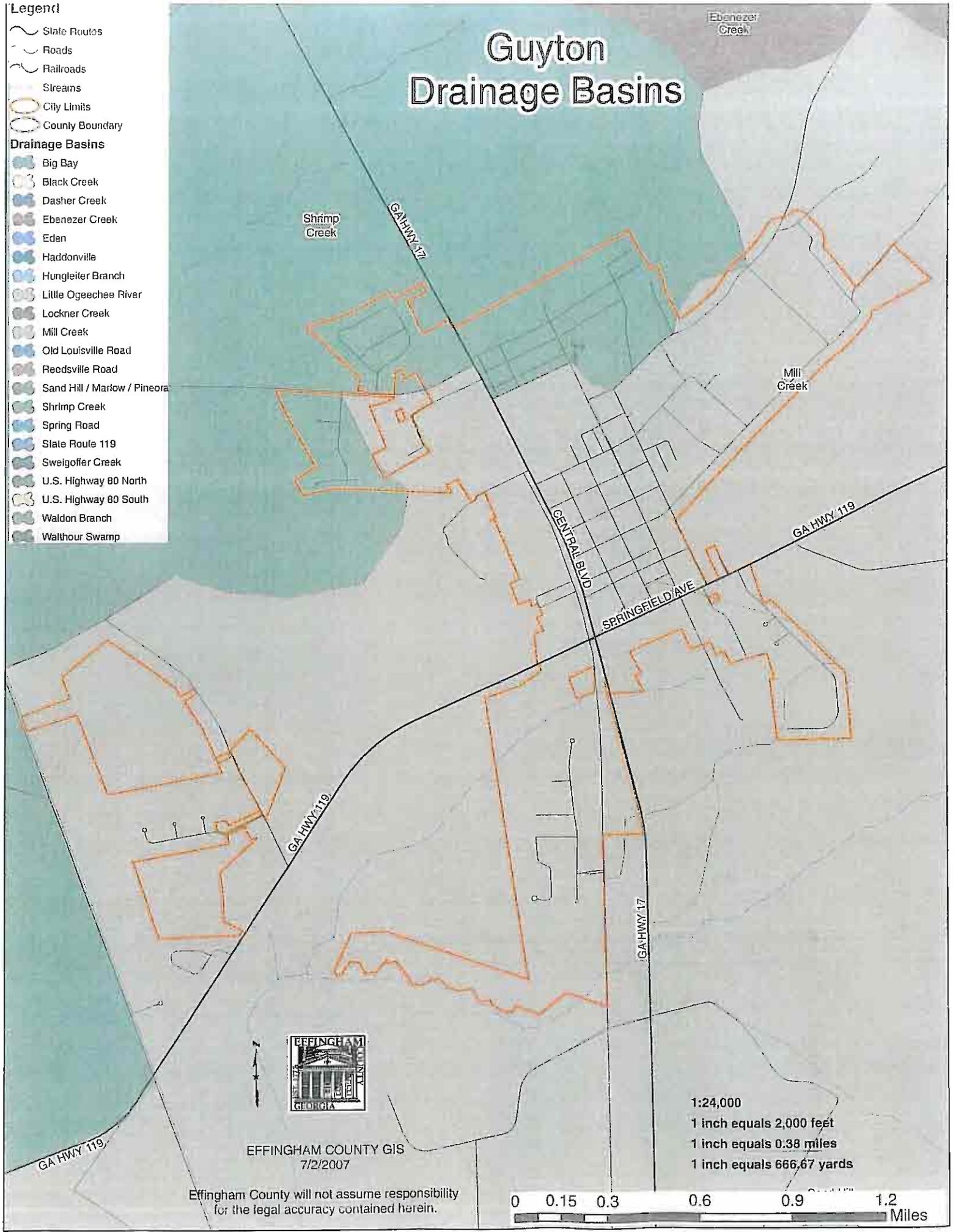
Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards



Guyton Drainage Basins

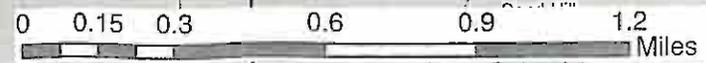
- Legend**
- State Routes
 - Roads
 - Railroads
 - Streams
 - City Limits
 - County Boundary
- Drainage Basins**
- Big Bay
 - Black Creek
 - Dasher Creek
 - Ebenezer Creek
 - Eden
 - Haddonville
 - Hungleifer Branch
 - Little Ogeechee River
 - Lockner Creek
 - Mill Creek
 - Old Louisville Road
 - Reedsville Road
 - Sand Hill / Marlow / Pineora
 - Shrimp Creek
 - Spring Road
 - Slate Route 119
 - Sweigoffer Creek
 - U.S. Highway 80 North
 - U.S. Highway 80 South
 - Waldon Branch
 - Walthour Swamp



EFFINGHAM COUNTY GIS
7/2/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards



Legend

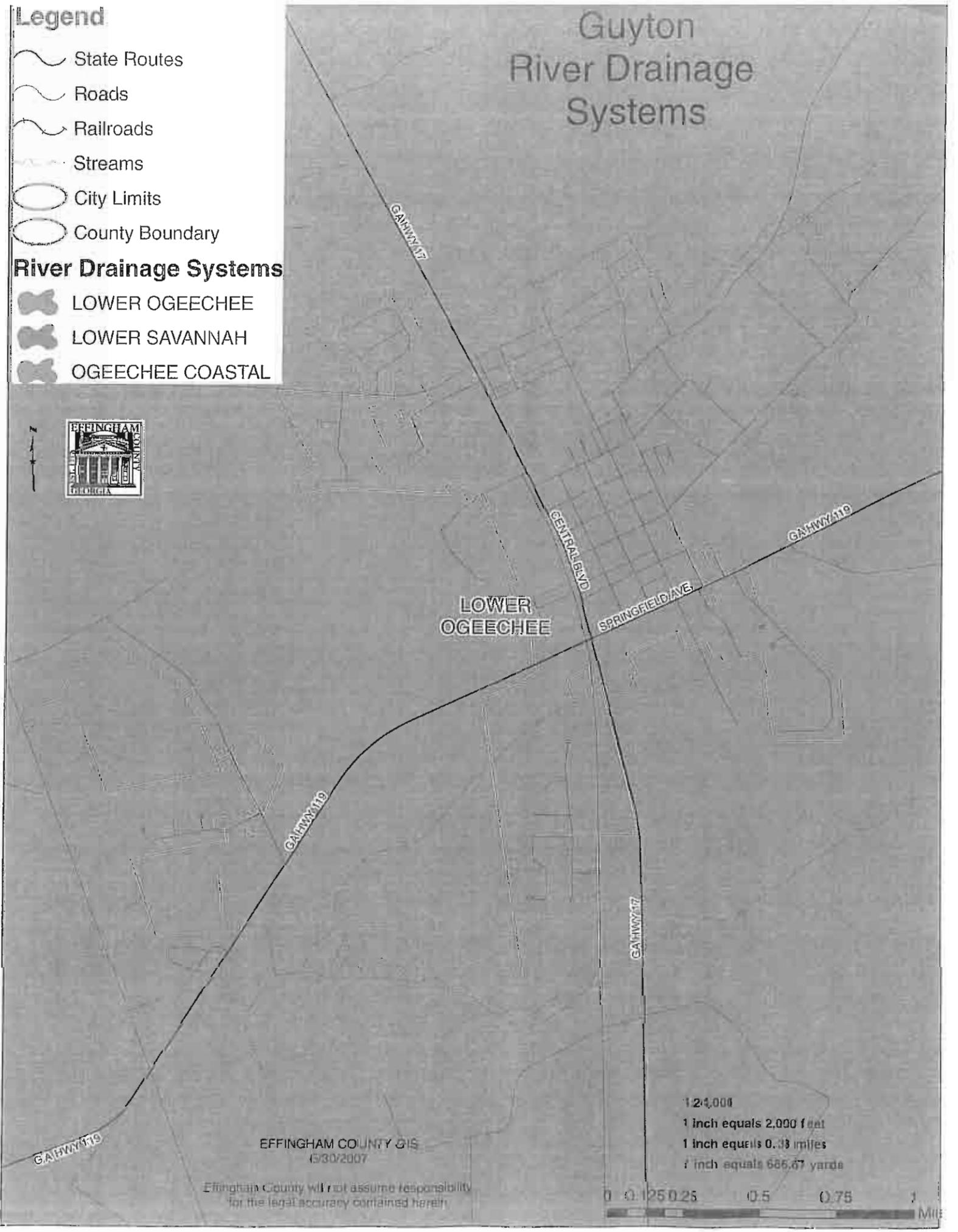
- State Routes
- Roads
- Railroads
- Streams

- City Limits
- County Boundary

River Drainage Systems

- LOWER OGEECHEE
- LOWER SAVANNAH
- OGEECHEE COASTAL

Guyton River Drainage Systems



LOWER
OGEECHEE

EFFINGHAM COUNTY GIS
6/30/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 686.67 yards

Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits

Soils

- BOHICKET-CAPERS-WATER (GA071)
- CHASTAIN-TAWCAW-CHEWACLA (GA088)
- ELLABELLE-ALBANY-OGEECHEE (GA069)
- FUQUAY-LEEFIELD-LAKELAND (GA066)
- KERSHAW-CHIPLEY-CAPE FEAR (GA064)
- LEEFIELD-PELHAM-IRVINGTON (GA065)
- LEON-CHIPLEY-ELLABELLE (GA075)
- MANDARIN-RUTLEGE-LEON (GA068)
- OCILLA-OGEECHEE-CAPE FEAR (GA072)
- OSIER-JOHNSTON-PELHAM (GA067)
- OSIER-OUSLEY-ELLABELLE (GA073)
- County Boundary

MANDARIN-RUTLEGE-LEON (GA068)

Guyton Soils

GA HWY 17

LEEFIELD-PELHAM-IRVINGTON (GA065)

CENTRAL BLVD

SPRINGFIELD AVE

GA HWY 119

GA HWY 119

GA HWY 17

MANDARIN-RUTLEGE-LEON (GA068)

FUQUAY-LEEFIELD-LAKELAND (GA066)

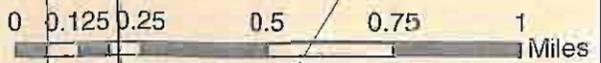
EFFINGHAM COUNTY GIS
6/30/2007

Effingham County will not assume responsibility for the legal accuracy contained herein.



GA HWY 119

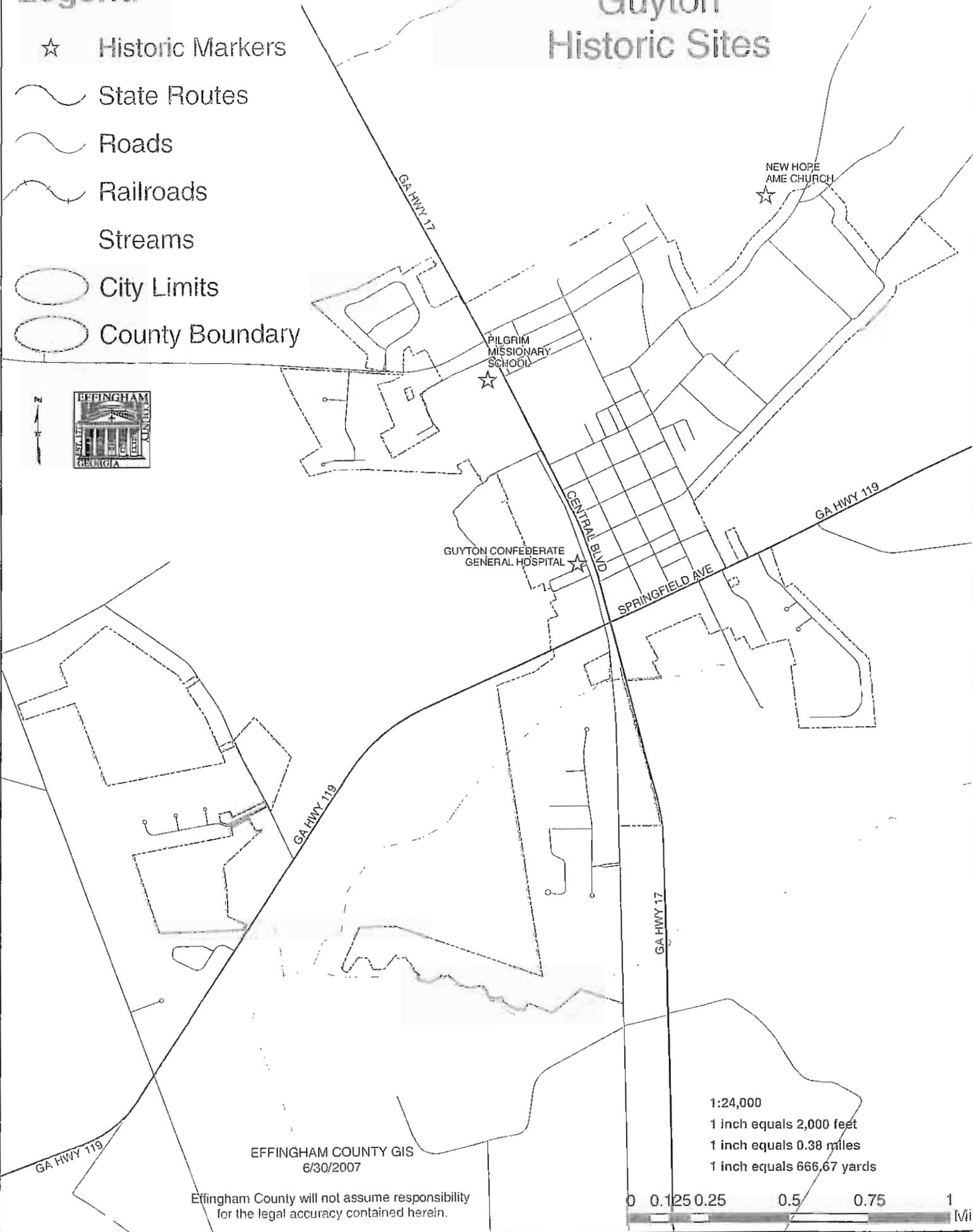
1:24,000
 1 inch equals 2,000 feet
 1 inch equals 0.38 miles
 1 inch equals 666.67 yards



Legend

Guyton Historic Sites

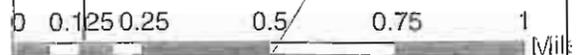
- ☆ Historic Markers
- ~ State Routes
- ~ Roads
- ~ Railroads
- ~ Streams
- City Limits
- County Boundary



EFFINGHAM COUNTY GIS
6/30/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards



Legend

- ☆ Historic Markers
- ☆ Cemeteries
- 🏫 Elementary Schools
- 🏫 Middle Schools
- 🏫 High Schools
- 🛣 Interstate Routes
- 🛣 State Routes
- 🛣 Roads
- 🚂 Railroads
- 🌊 Streams
- 🏠 Buildings Of Interest
- 🌊 Lake / Pond
- 🏞 City Boundaries
- 🏞 County Boundary

Scenic Byways

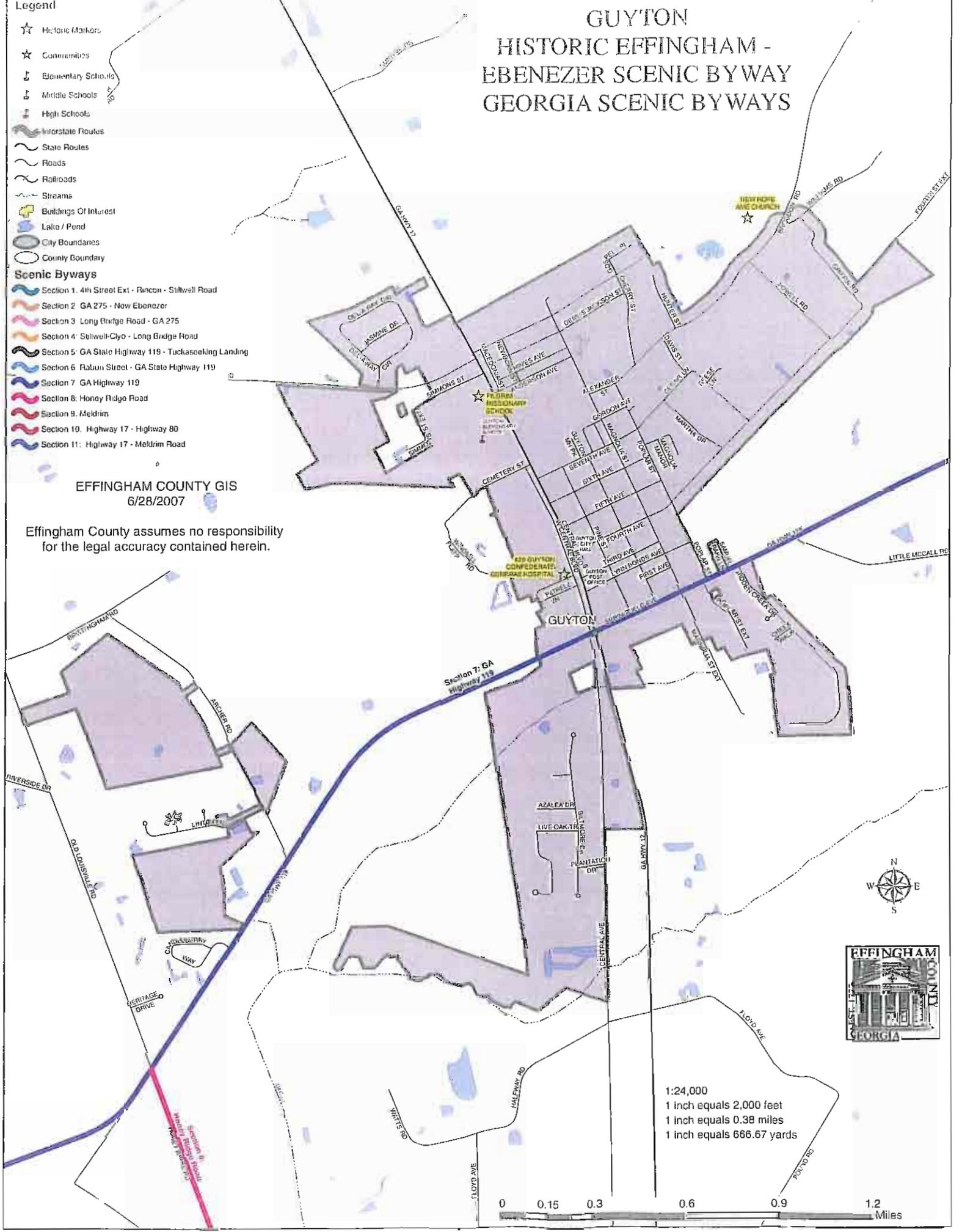
- Section 1. 4th Street Ext - Rancon - Stillwell Road
- Section 2. GA 275 - Now Ebenezer
- Section 3. Long Bridge Road - GA 275
- Section 4. Stillwell-Clyo - Long Bridge Road
- Section 5. GA State Highway 119 - Tuckasee Landing
- Section 6. Rabun Street - GA State Highway 119
- Section 7. GA Highway 119
- Section 8. Honey Ridge Road
- Section 9. Meldrim
- Section 10. Highway 17 - Highway 80
- Section 11. Highway 17 - Meldrim Road

EFFINGHAM COUNTY GIS
6/28/2007

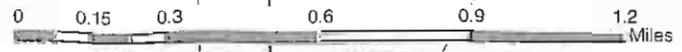
Effingham County assumes no responsibility
for the legal accuracy contained herein.

GUYTON

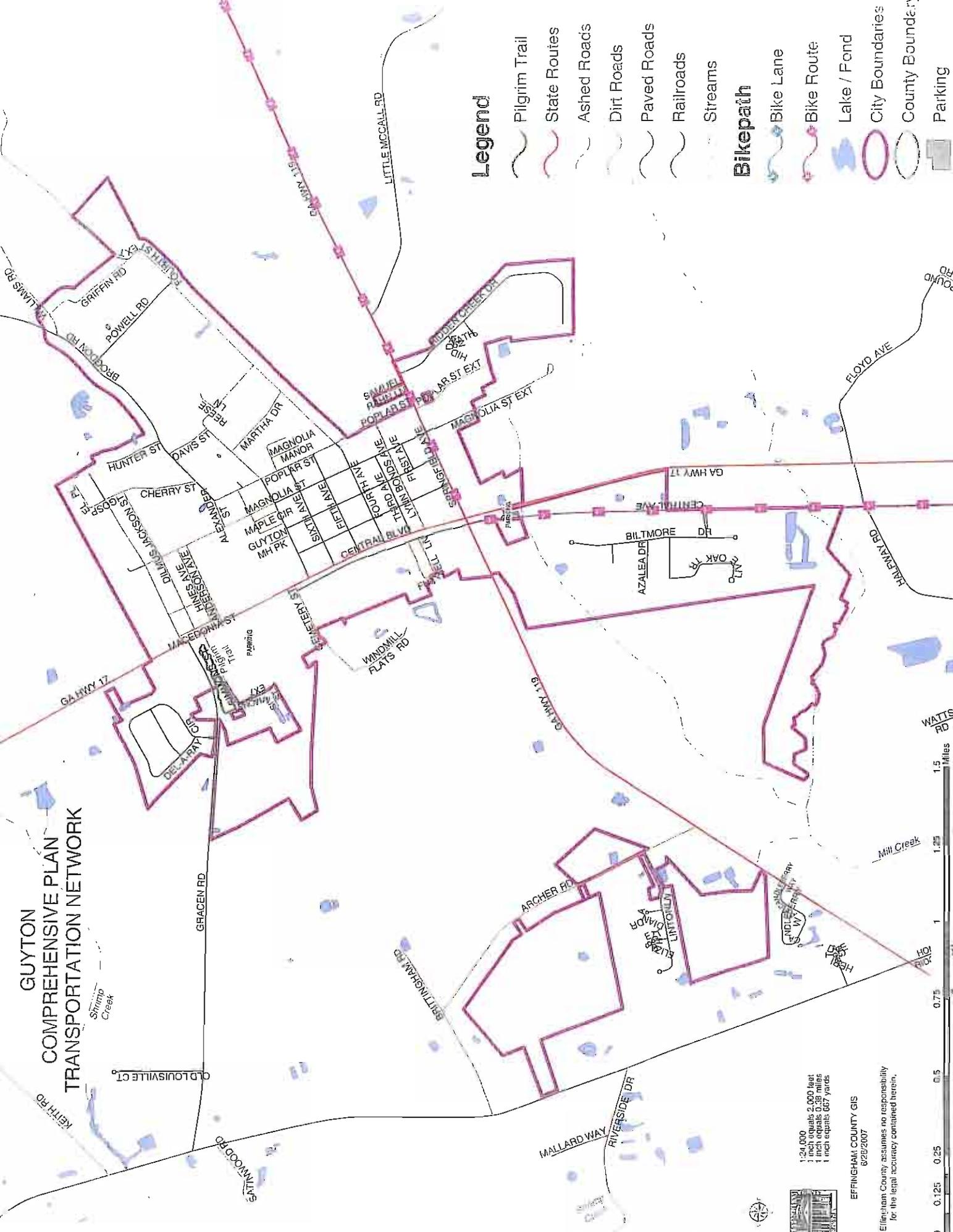
HISTORIC EFFINGHAM - EBENEZER SCENIC BYWAY GEORGIA SCENIC BYWAYS



1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards



GUYTON COMPREHENSIVE PLAN TRANSPORTATION NETWORK



Legend

- Pilgrim Trail
- State Routes
- Ashed Roads
- Dirt Roads
- Paved Roads
- Railroads
- Streams
- Bikepath**
- Bike Lane
- Bike Route
- Lake / Pond
- City Boundaries
- County Boundary
- Parking

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.39 miles
1 inch equals 667 yards



EFFINGHAM COUNTY GIS
6/26/2007

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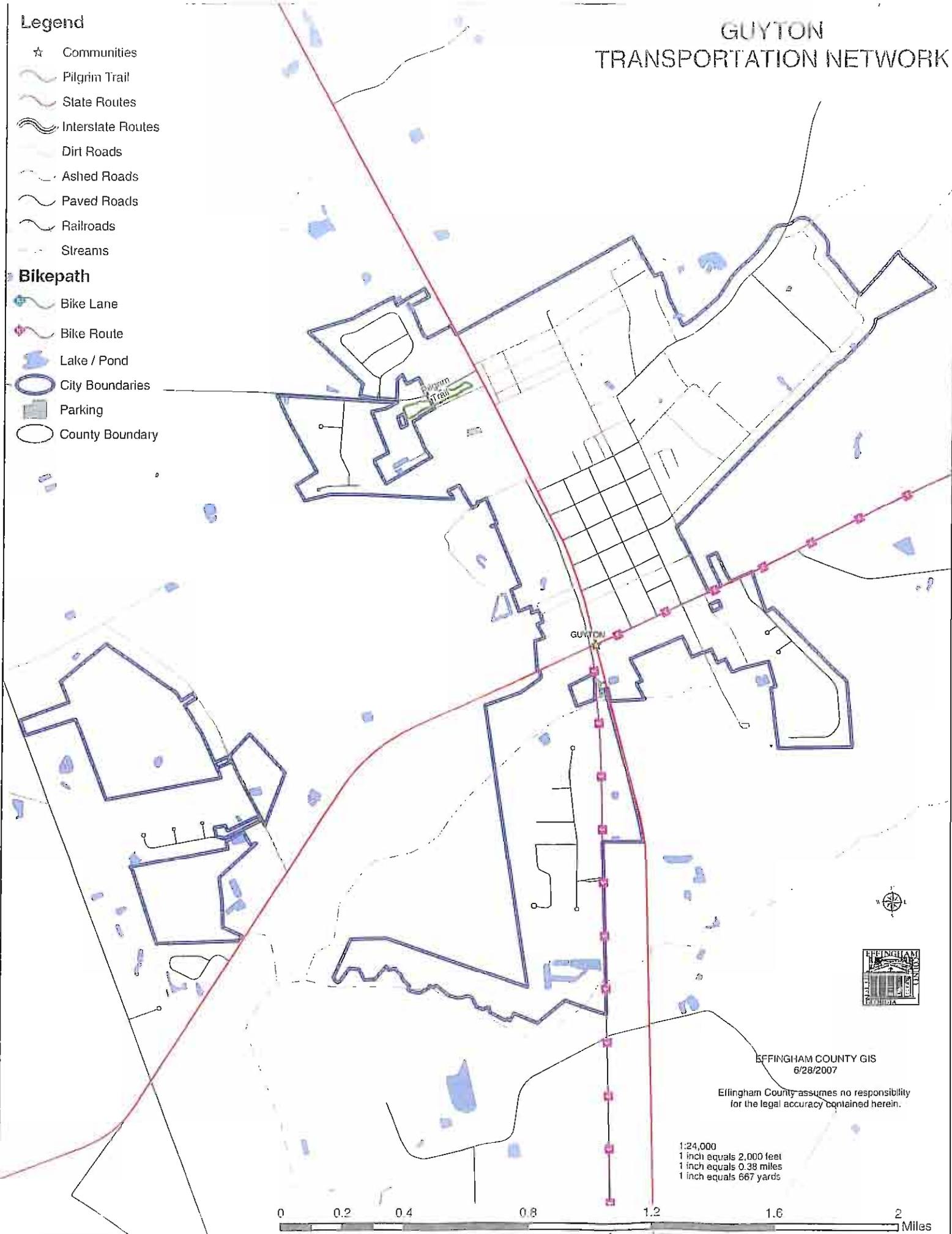
GUYTON TRANSPORTATION NETWORK

Legend

- ☆ Communities
- Pilgrim Trail
- Slate Routes
- Interstate Routes
- Dirt Roads
- Ashed Roads
- Paved Roads
- Railroads
- Streams

Bikepath

- Bike Lane
- Bike Route
- Lake / Pond
- City Boundaries
- Parking
- County Boundary



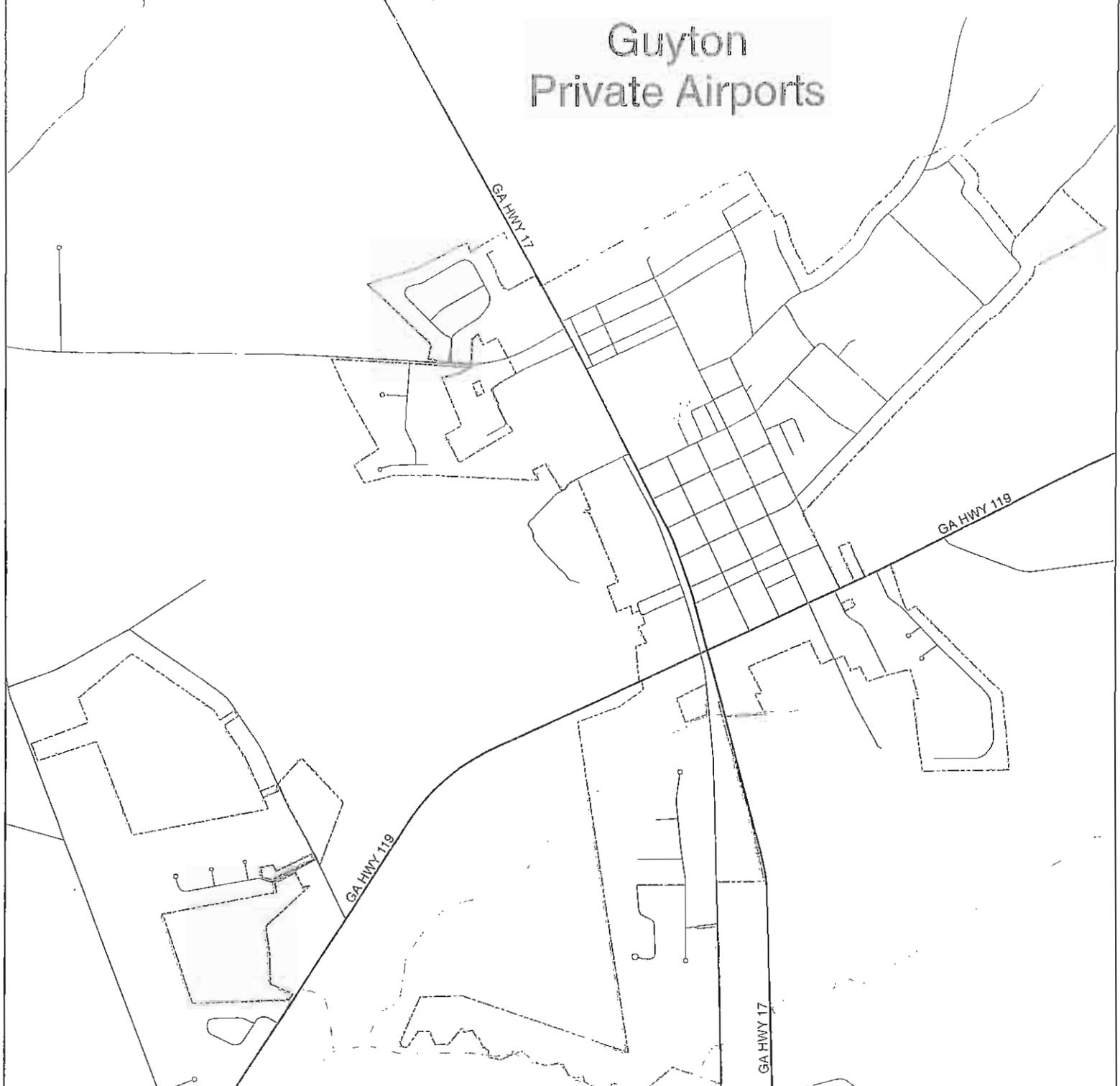
EFFINGHAM COUNTY GIS
6/28/2007

Effingham County assumes no responsibility
for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 667 yards



Guyton Private Airports



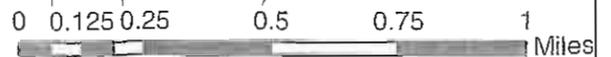
Legend

- State Routes
- Roads
- Railroads
- Streams
- Private Airports
- City Limits
- County Boundary

EFFINGHAM COUNTY GIS
6/30/2007

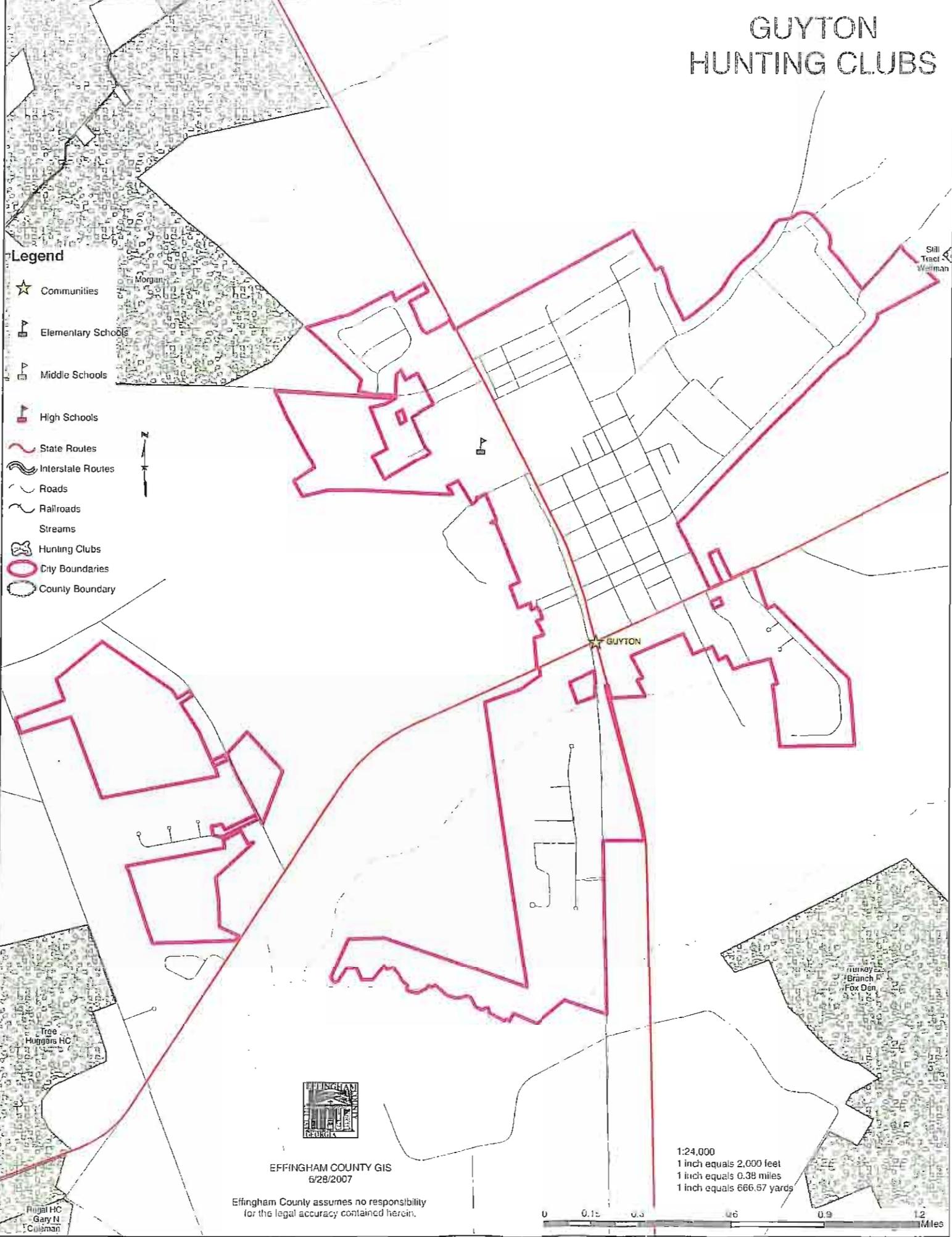
Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards



GUYTON HUNTING CLUBS

- Legend**
- ★ Communities
 - ▢ Elementary Schools
 - ▢ Middle Schools
 - ▢ High Schools
 - State Routes
 - Interstate Routes
 - Roads
 - Railroads
 - Streams
 - 🐾 Hunting Clubs
 - City Boundaries
 - County Boundary



EFFINGHAM COUNTY GIS
6/28/2007

Effingham County assumes no responsibility
for the legal accuracy contained herein.

1:24,000
1 inch equals 2,000 feet
1 inch equals 0.38 miles
1 inch equals 666.67 yards



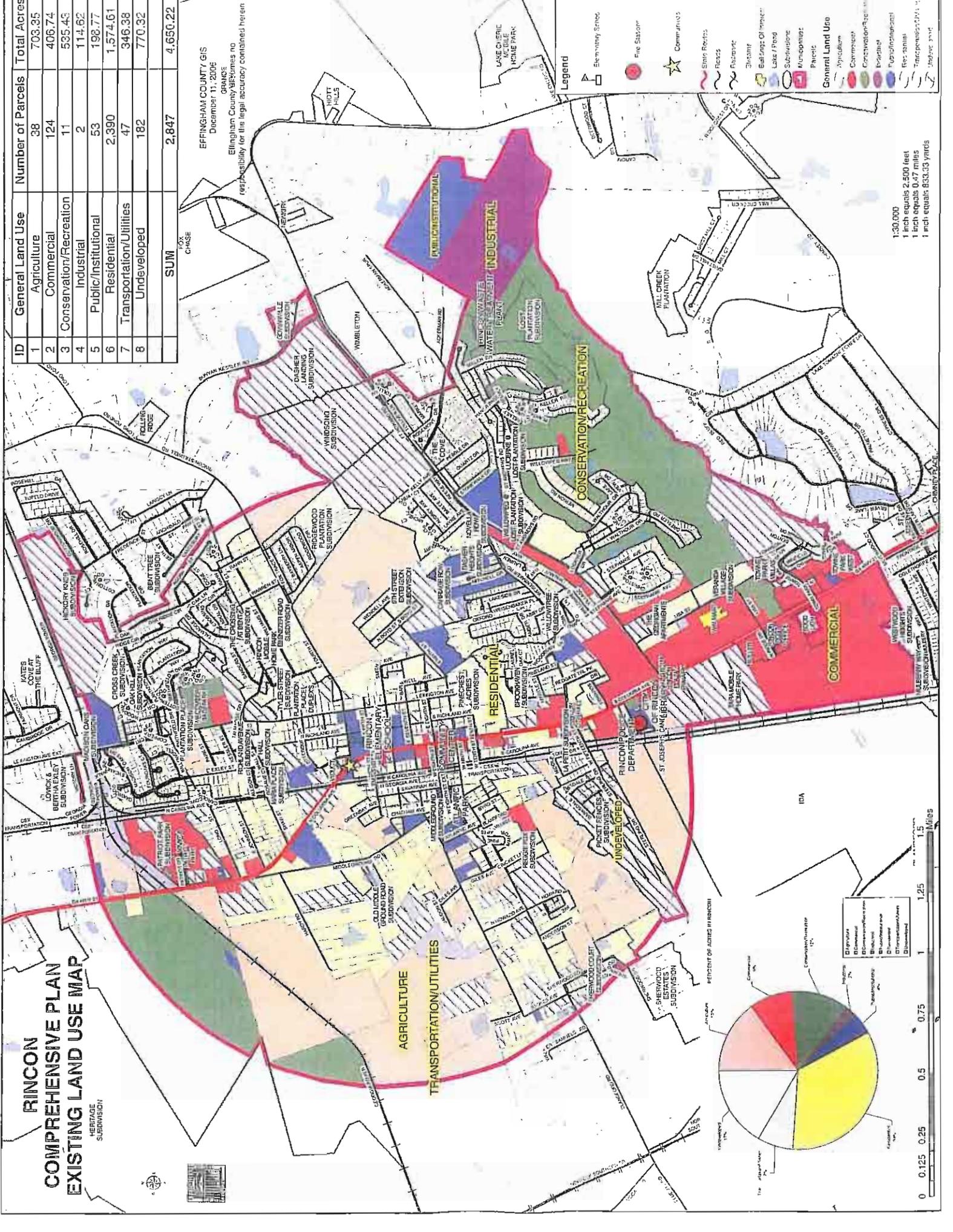
Rujal HC
Gary N
Coleman

RINCON COMPREHENSIVE PLAN EXISTING LAND USE MAP

HERITAGE
SUBDIVISION

ID	General Land Use	Number of Parcels	Total Acres
1	Agriculture	38	703.35
2	Commercial	124	406.74
3	Conservation/Recreation	11	535.45
4	Industrial	2	114.62
5	Public/Institutional	53	198.77
6	Residential	2,390	1,574.61
7	Transportation/Utilities	47	346.38
8	Undeveloped	182	770.32
SUM		2,847	4,650.22

EFFINGHAM COUNTY GIS
December 11, 2006
GRACE
Effingham County assumes no
responsibility for the legal accuracy contained herein



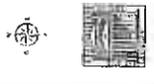
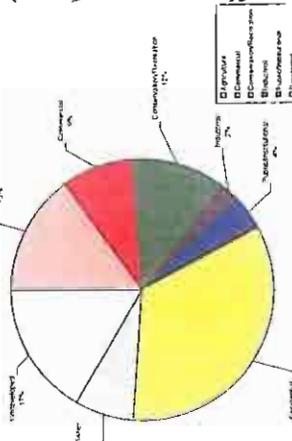
Legend

- Shrubby Forests
- Fields
- Barren
- Shrubland
- Buildings Or Impervious
- Lake / Flood
- Subdivisions
- Municipalities
- Parcels
- Fire Station
- Community

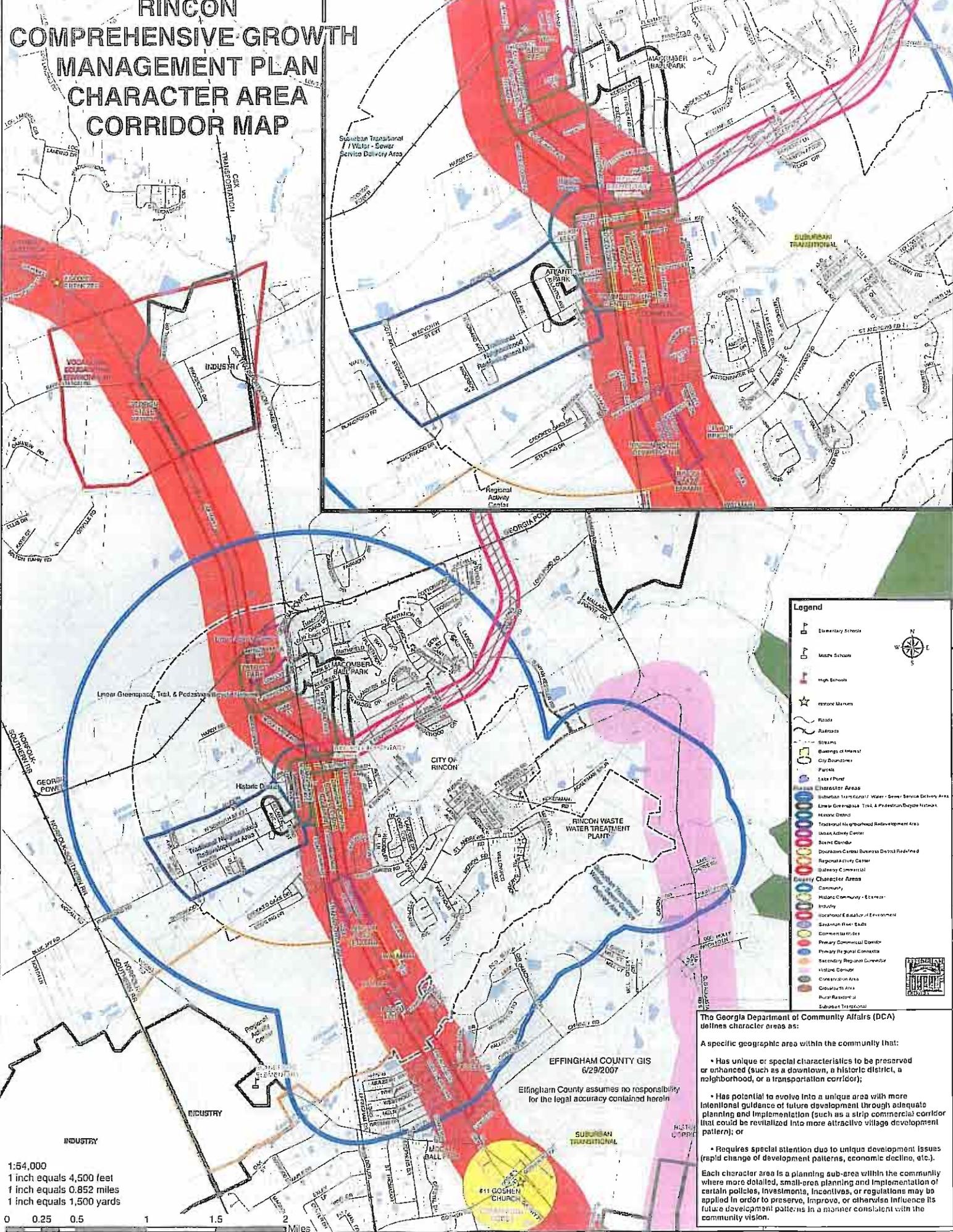
General Land Use

- Agriculture
- Commercial
- Conservation/Recreation
- Industrial
- Public/Institutional
- Residential
- Transportation/Utilities
- Undeveloped

1:30,000
1 inch equals 2,500 feet
1 inch equals 0.47 miles
1 inch equals 633.33 yards



RINCON COMPREHENSIVE GROWTH MANAGEMENT PLAN CHARACTER AREA CORRIDOR MAP



Legend

- Elementary Schools
- Middle Schools
- High Schools
- Historic Monuments
- Roads
- Railroads
- Streams
- Boundaries of Interest
- City Boundaries
- Parcels
- Lake Point
- Character Areas
 - Suburban Transitional / Water - Sewer Service Delivery Area
 - Linear Greenpark Trail, & Podzayevskiy Park
 - Historic District
 - Traditional Neighborhood Redevelopment Area
 - Urban Activity Center
 - River Corridor
 - Downtown Central Business District Redeveloped
 - Regional Activity Center
 - Gateway Commercial
 - Character Areas
 - Community
 - Historic Community - Eclectic
 - Industry
 - Recreational / Ecological / Environment
 - Savannah River Basin
 - Community Center
 - Primary Commercial Center
 - Primary Regional Connector
 - Secondary Regional Connector
 - Historic Corridor
 - Commercial Area
 - Community Area
 - Rural Residential
 - Suburban Transitional

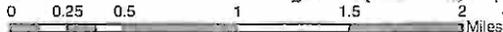
The Georgia Department of Community Affairs (DCA) defines character areas as:

A specific geographic area within the community that:

- Has unique or special characteristics to be preserved or enhanced (such as a downtown, a historic district, a neighborhood, or a transportation corridor);
- Has potential to evolve into a unique area with more intentional guidance of future development through adequate planning and implementation (such as a strip commercial corridor that could be revitalized into more attractive village development pattern); or
- Requires special attention due to unique development issues (rapid change of development patterns, economic decline, etc.).

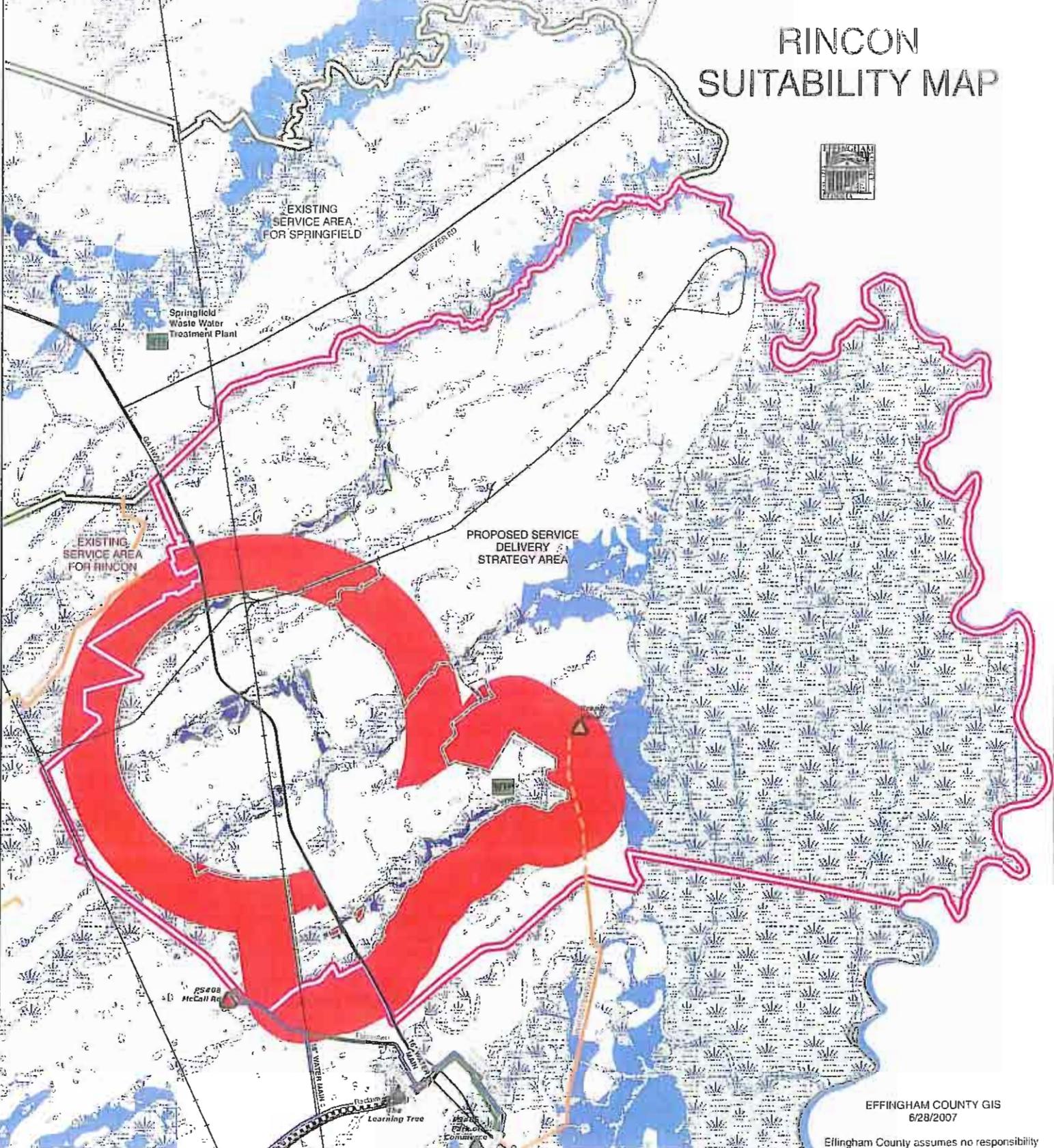
Each character area is a planning sub-area within the community where more detailed, small-area planning and implementation of certain policies, investments, incentives, or regulations may be applied in order to preserve, improve, or otherwise influence its future development patterns in a manner consistent with the community vision.

1:54,000
1 inch equals 4,500 feet
1 inch equals 0.852 miles
1 inch equals 1,500 yards



EFFINGHAM COUNTY GIS
6/29/2007
Effingham County assumes no responsibility for the legal accuracy contained herein

RINCON SUITABILITY MAP



Legend

<ul style="list-style-type: none"> County Line Meter Effingham Power Station Wastewater Treatment Plant Pump Station Status <ul style="list-style-type: none"> Constructed Under Design Under Construction 	<p>Water/Sewer/Reuse TYPE</p> <ul style="list-style-type: none"> FUTURE PROPOSED PROPOSED <p>Water STATUS</p> <ul style="list-style-type: none"> Existing Proposed <p>WW Gravitly Sewer Type, Status</p> <ul style="list-style-type: none"> Gravitly Sewer, Constructed Gravitly Sewer, Under Construction 	<p>Wastewater Type, Status</p> <ul style="list-style-type: none"> Force main, Constructed Force main, Under Construction Force main, Under Design Reclaim, Constructed Reclaim, Under Construction Slate Routes Railroads Proposed Service Area for Rincon Proposed Service Area for Springfield Proposed Service Area for Guyton 	<ul style="list-style-type: none"> City Boundaries Existing Service Areas County Boundary Wetlands FEMA Flood Zones <ul style="list-style-type: none"> A: 100-Year Flood Base Flood Elevation Unknown A/E: 100-Year Flood Base Flood Elevation Known 5500: 500-Year Flood Zone X: Outcrop 500-Year Flood Zone
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EFFINGHAM COUNTY GIS
6/28/2007

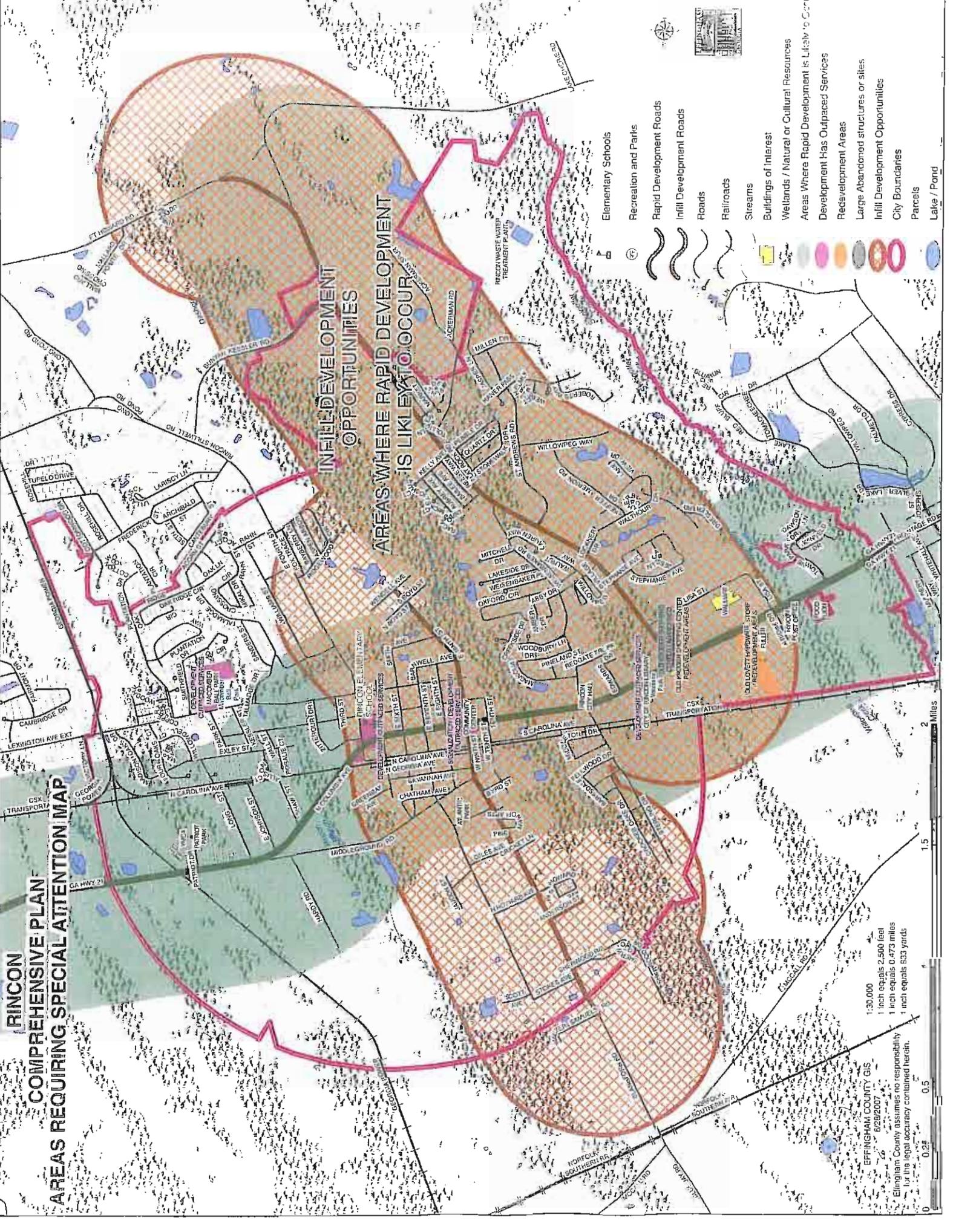
Effingham County assumes no responsibility for the legal accuracy contained herein.

1:71,713
1 inch equals 5,976 feet
1 inch equals 1,132 miles
1 inch equals 1,992 yards

0 0.5 1 2 3 4 Miles

**RINCON
COMPREHENSIVE PLAN
AREAS REQUIRING SPECIAL ATTENTION MAP**

**INFILL DEVELOPMENT
OPPORTUNITIES
AREAS WHERE RAPID DEVELOPMENT
IS LIKELY TO OCCUR**

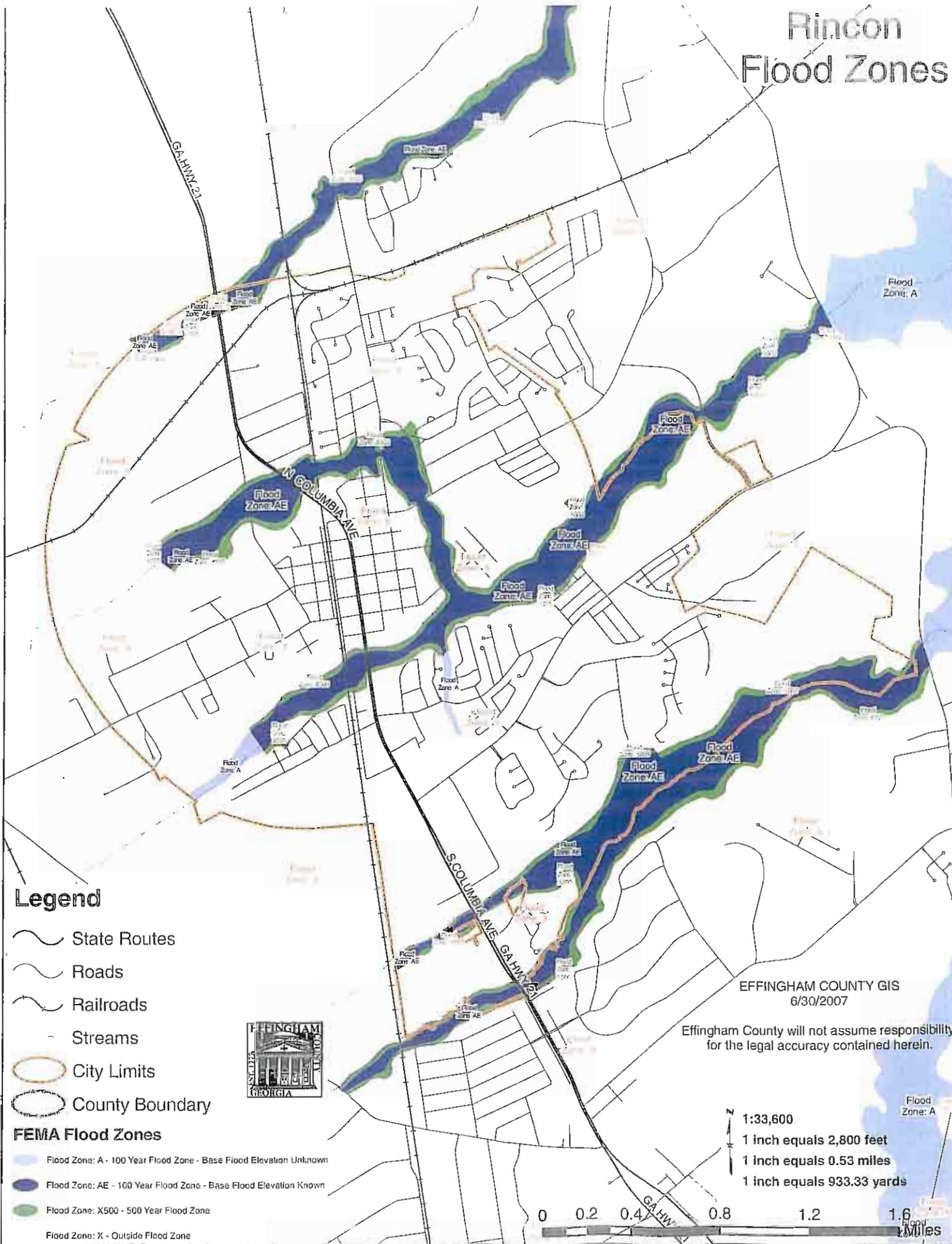


1:30,000
1 inch equals 2,500 feet
1 inch equals 0.473 miles
1 inch equals 533 yards

EFFINGHAM COUNTY GIS
6/29/2007

Effingham County assumes no responsibility for the legal accuracy contained herein.

Rincon Flood Zones



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary

FEMA Flood Zones

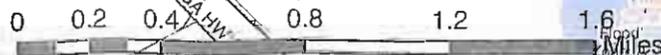
- Flood Zone: A - 100 Year Flood Zone - Base Flood Elevation Unknown
- Flood Zone: AE - 100 Year Flood Zone - Base Flood Elevation Known
- Flood Zone: X500 - 500 Year Flood Zone
- Flood Zone: X - Outside Flood Zone



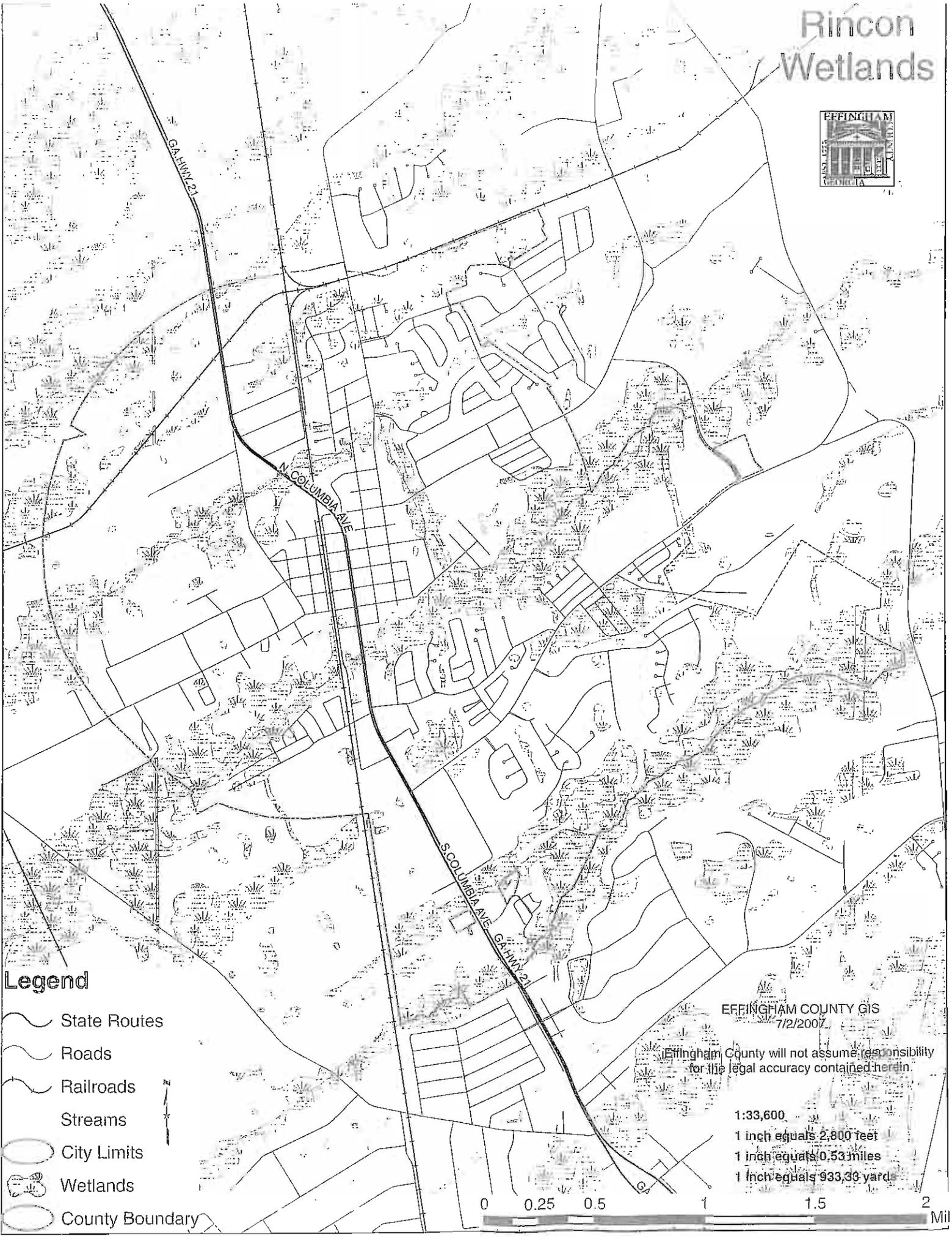
EFFINGHAM COUNTY GIS
6/30/2007

Effingham County will not assume responsibility for the legal accuracy contained herein.

1:33,600
1 inch equals 2,800 feet
1 inch equals 0.53 miles
1 inch equals 933.33 yards



Rincon Wetlands



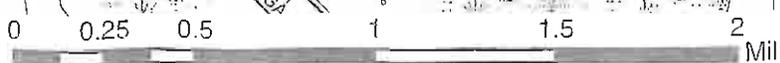
Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- Wetlands
- County Boundary

EFFINGHAM COUNTY GIS
7/2/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:33,600
1 inch equals 2,800 feet
1 inch equals 0.53 miles
1 inch equals 933.33 yards



Rincon Water Sheds

GA HWY 28

N COLUMBIA AVE

S COLUMBIA AVE
GA HWY 28

Savannah
River



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary

Water Sheds

- Ogeechee River
- Savannah River

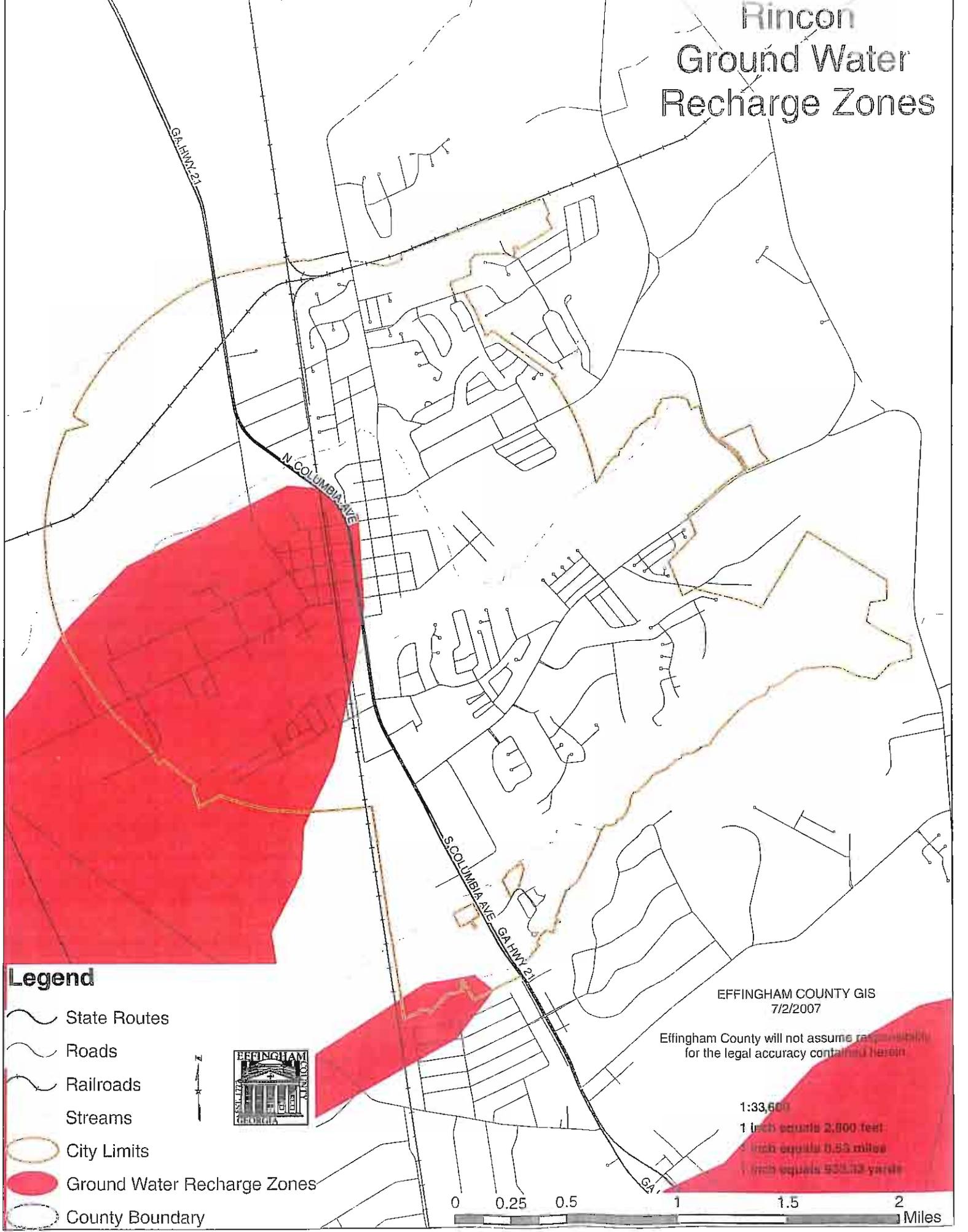
EFFINGHAM COUNTY GIS
7/2/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:33,600
1 inch equals 2,800 feet
1 inch equals 0.53 miles
1 inch equals 933.33 yards



Rincon Ground Water Recharge Zones



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- Ground Water Recharge Zones
- County Boundary



EFFINGHAM COUNTY GIS
7/2/2007

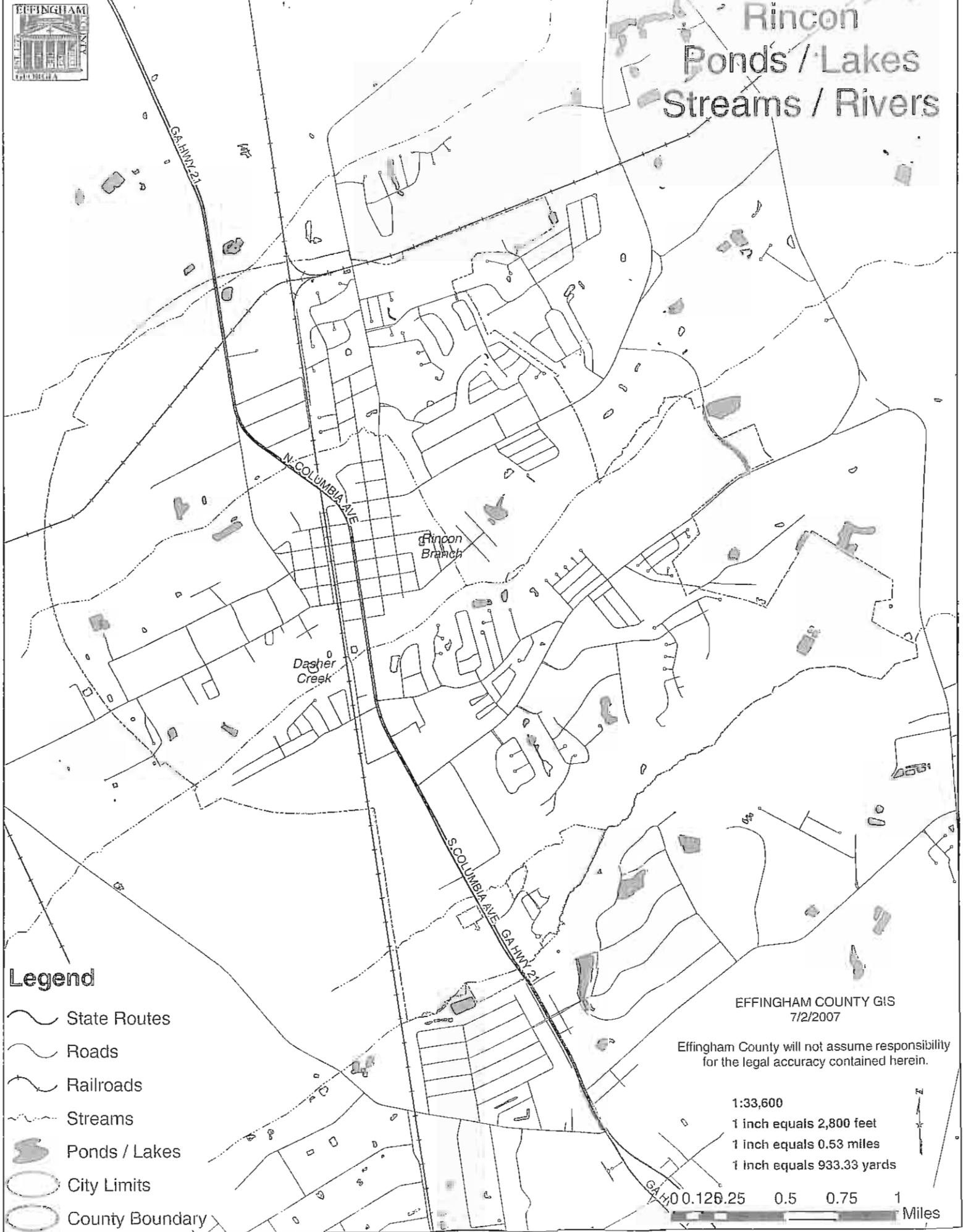
Effingham County will not assume responsibility
for the legal accuracy contained herein

1:33,600
1 inch equals 2,800 feet
1 inch equals 0.53 miles
1 inch equals 53.33 yards





Rincon Ponds / Lakes Streams / Rivers



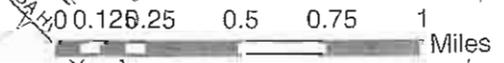
Legend

- State Routes
- Roads
- Railroads
- Streams
- Ponds / Lakes
- City Limits
- County Boundary

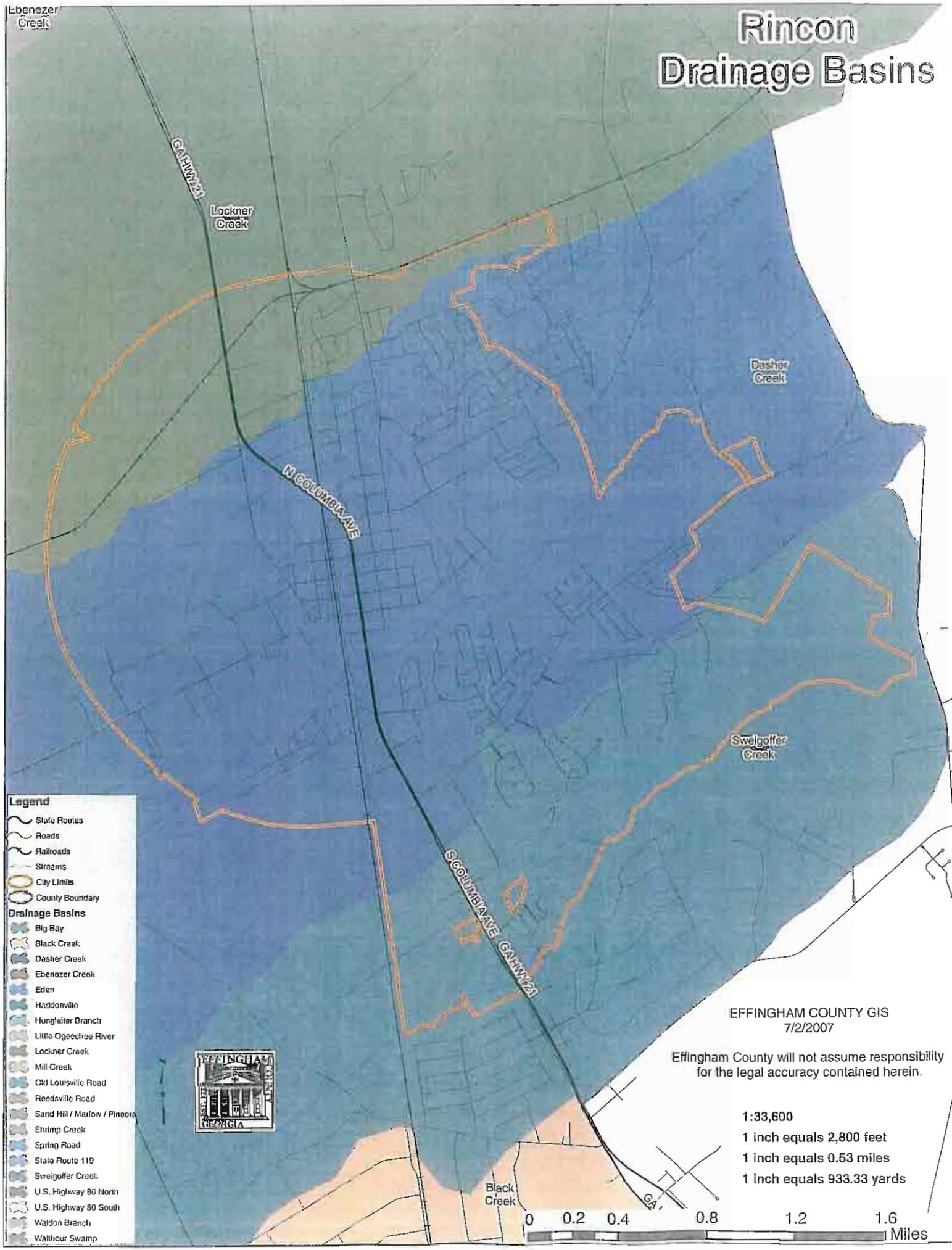
EFFINGHAM COUNTY GIS
7/2/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:33,600
1 inch equals 2,800 feet
1 inch equals 0.53 miles
1 inch equals 933.33 yards



Rincon Drainage Basins



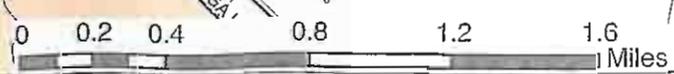
- Legend**
- State Routes
 - Roads
 - Railroads
 - Streams
 - City Limits
 - County Boundary
- Drainage Basins**
- Big Bay
 - Black Creek
 - Dasher Creek
 - Ebenezer Creek
 - Eden
 - Haddonville
 - Hungleiler Branch
 - Little Ogeechee River
 - Lockner Creek
 - Mill Creek
 - Old Louisville Road
 - Reedsville Road
 - Sand Hill / Marlow / Pineora
 - Shimp Creek
 - Spring Road
 - State Route 119
 - Swelgoffer Creek
 - U.S. Highway 80 North
 - U.S. Highway 80 South
 - Waldon Branch
 - Walthour Swamp



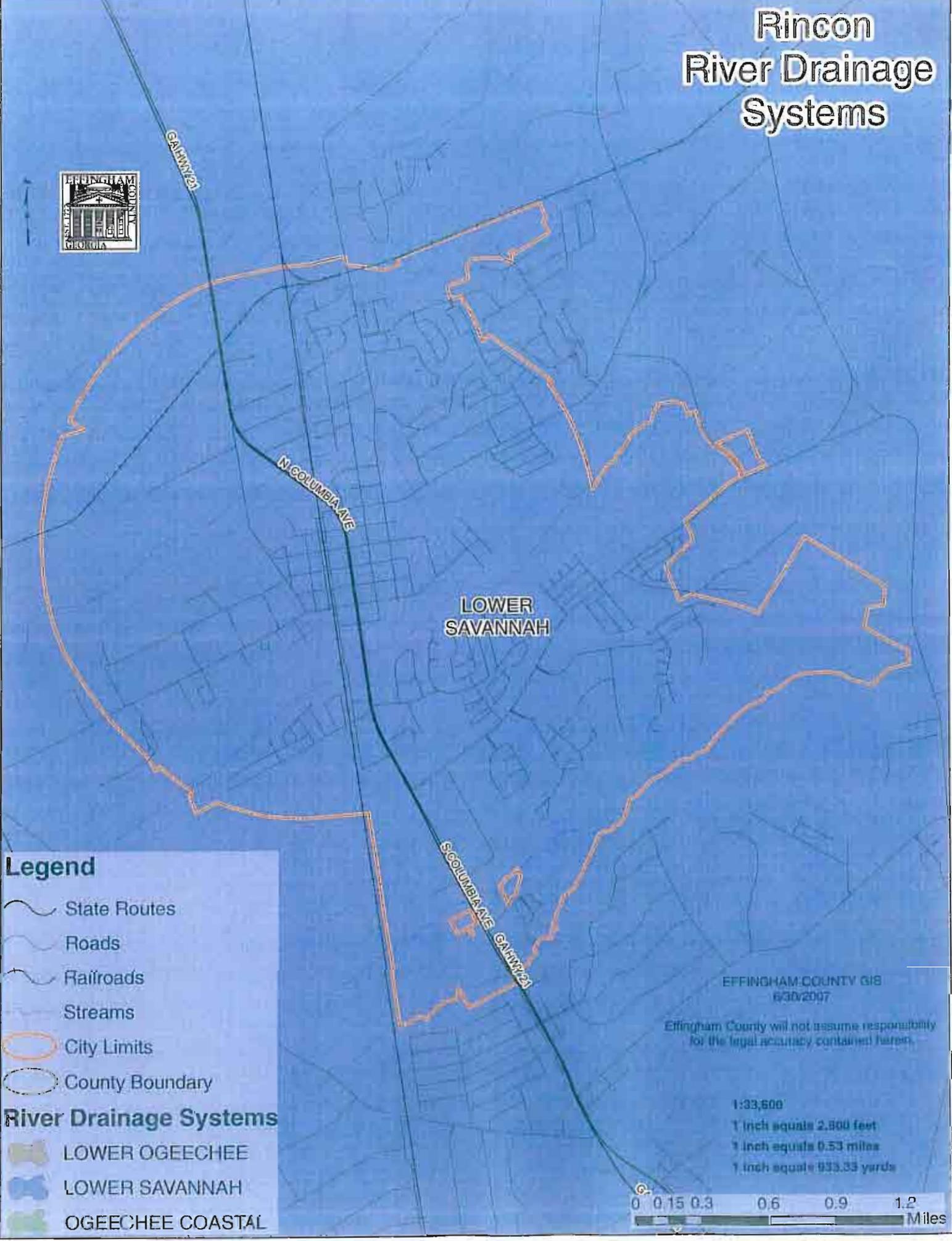
EFFINGHAM COUNTY GIS
7/2/2007

Effingham County will not assume responsibility for the legal accuracy contained herein.

1:33,600
1 inch equals 2,800 feet
1 inch equals 0.53 miles
1 inch equals 933.33 yards



Rincon River Drainage Systems



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary

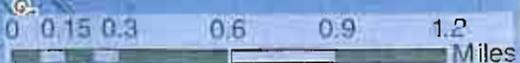
River Drainage Systems

- LOWER OGEECHEE
- LOWER SAVANNAH
- OGEECHEE COASTAL

EFFINGHAM COUNTY GIS
6/30/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:33,600
1 inch equals 2,800 feet
1 inch equals 0.53 miles
1 inch equals 933.33 yards



Rincon Soils



GA HWY 21

N. COLUMBIA AVE

MANDARIN-RUTLEGE-LEON (GA068)

FUQUAY-LEEFIELD-LAKELAND (GA066)

CHASTAIN-TAWCAW-CHEWACLA (GA088)

S. COLUMBIA AVE GA HWY 21

GA HWY 21

Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits

Soils

- BOHICKET-CAPERS-WATER (GA071)
- CHASTAIN-TAWCAW-CHEWACLA (GA088)
- ELLABELLE-ALBANY-OGEECHEE (GA069)
- FUQUAY-LEEFIELD-LAKELAND (GA066)
- KERSHAW-CHIPLEY-CAPE FEAR (GA064)
- LEEFIELD-PELHAM-IRVINGTON (GA065)
- LEON-CHIPLEY-ELLABELLE (GA075)
- MANDARIN-RUTLEGE-LEON (GA068)
- OCILLA-OGEECHEE-CAPE FEAR (GA072)
- OSIER-JOHNSTON-PELHAM (GA067)
- OSIER-OUSLEY-ELLABELLE (GA073)
- County Boundary

EFFINGHAM COUNTY GIS
6/30/2017

Effingham County will not assume responsibility for the legal accuracy contained herein.

OSIER-OUSLEY-ELLABELLE (GA073)

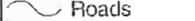
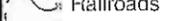
1:33,000

1 inch equals 2,600 feet

1 inch equals 0.55 miles

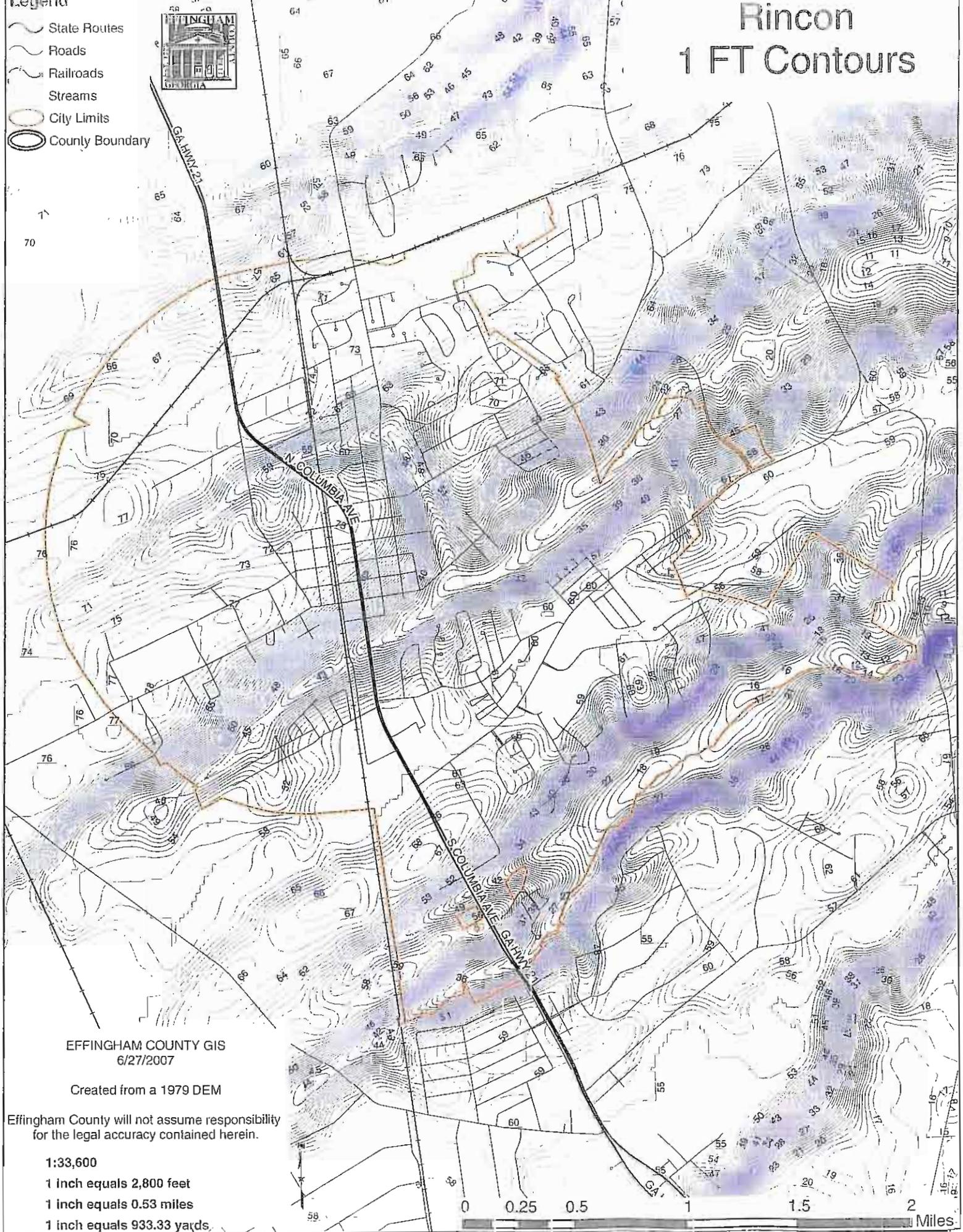
1 inch equals 933.33 yards



- Legend**
-  State Routes
 -  Roads
 -  Railroads
 -  Streams
 -  City Limits
 -  County Boundary



Rincon 1 FT Contours

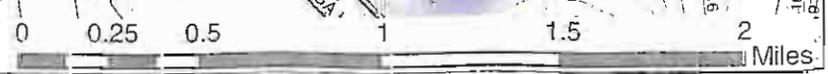


EFFINGHAM COUNTY GIS
6/27/2007

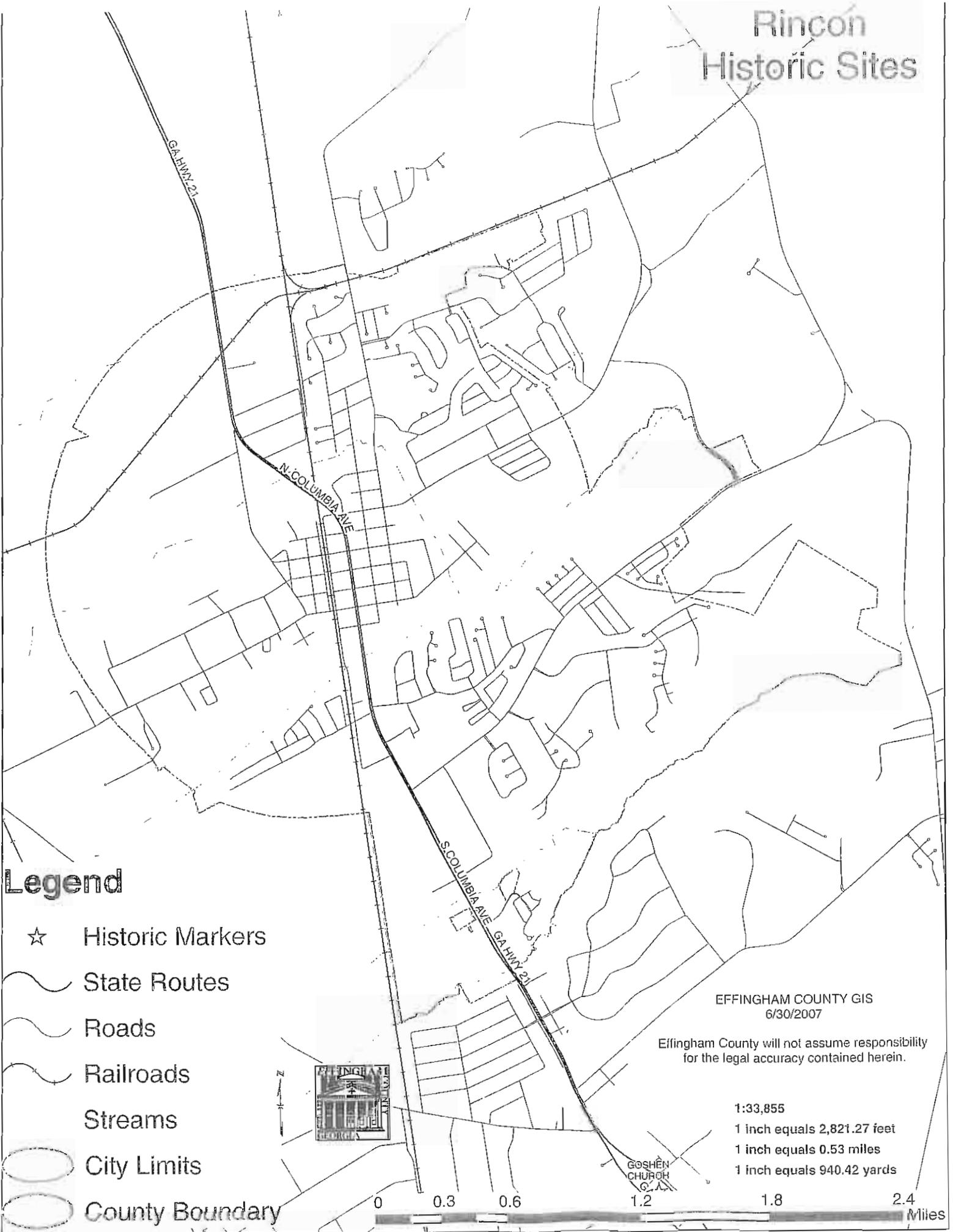
Created from a 1979 DEM

Effingham County will not assume responsibility
for the legal accuracy contained herein.

- 1:33,600
- 1 inch equals 2,800 feet
- 1 inch equals 0.53 miles
- 1 inch equals 933.33 yards.



Rincon Historic Sites

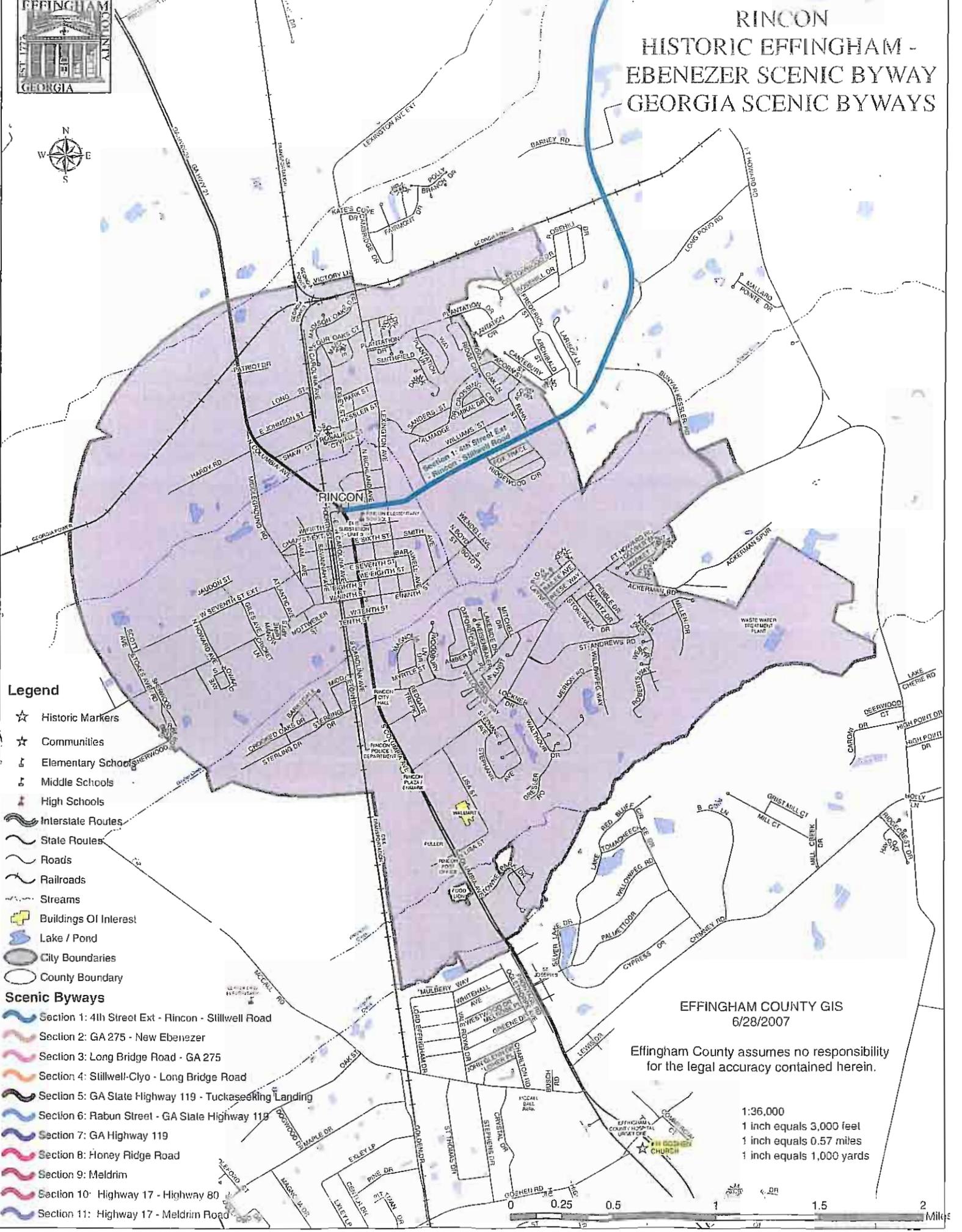


Legend

- ☆ Historic Markers
- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary



RINCON HISTORIC EFFINGHAM - EBENEZER SCENIC BYWAY GEORGIA SCENIC BYWAYS



- Legend**
- ☆ Historic Markers
 - ★ Communities
 - ⌵ Elementary Schools
 - ⌵ Middle Schools
 - ⌵ High Schools
 - ~ Interstate Routes
 - ~ State Routes
 - ~ Roads
 - ~ Railroads
 - ~ Streams
 - 🏠 Buildings Of Interest
 - 🌊 Lake / Pond
 - City Boundaries
 - County Boundary

- Scenic Byways**
- Section 1: 4th Street Ext - Rincon - Stillwell Road
 - Section 2: GA 275 - New Ebenezer
 - Section 3: Long Bridge Road - GA 275
 - Section 4: Stillwell-Clyo - Long Bridge Road
 - Section 5: GA State Highway 119 - Tuckasee Landing
 - Section 6: Rabun Street - GA State Highway 119
 - Section 7: GA Highway 119
 - Section 8: Honey Ridge Road
 - Section 9: Meldrim
 - Section 10: Highway 17 - Highway 80
 - Section 11: Highway 17 - Meldrim Road

EFFINGHAM COUNTY GIS
6/28/2007

Effingham County assumes no responsibility
for the legal accuracy contained herein.

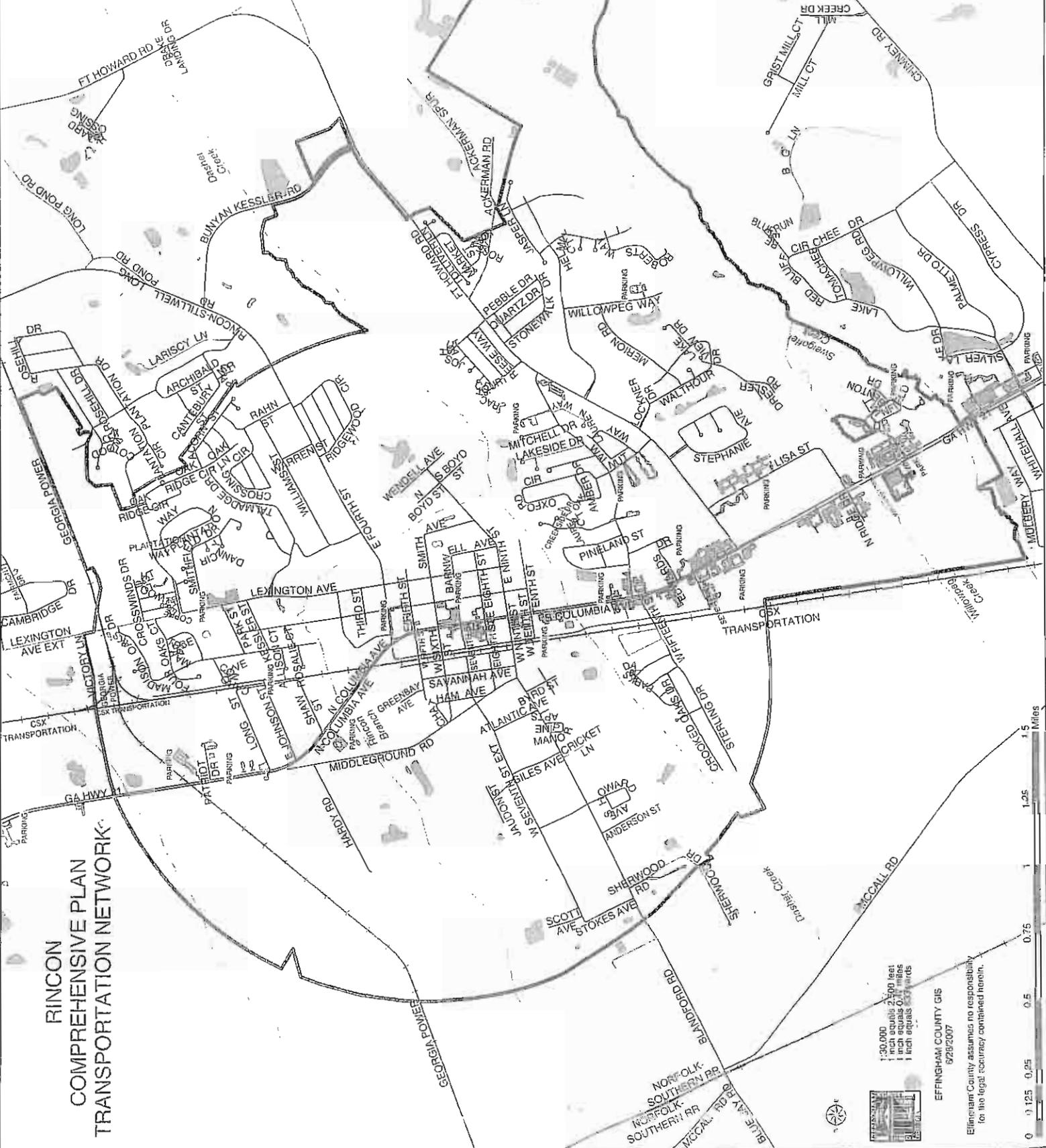
1:36,000
1 inch equals 3,000 feet
1 inch equals 0.57 miles
1 inch equals 1,000 yards



RINCON COMPREHENSIVE PLAN TRANSPORTATION NETWORK

Legend

- ~ Pilgrim Trail
- ~ State Routes
- ~ Ashed Roads
- ~ Dirt Roads
- ~ Paved Roads
- ~ Railroads
- ~ Streams
- Bikepath:**
 - ~ Bike Lane
 - ~ Bike Route
- Lake / Pond
- City Boundaries
- County Boundary
- ▭ Parking

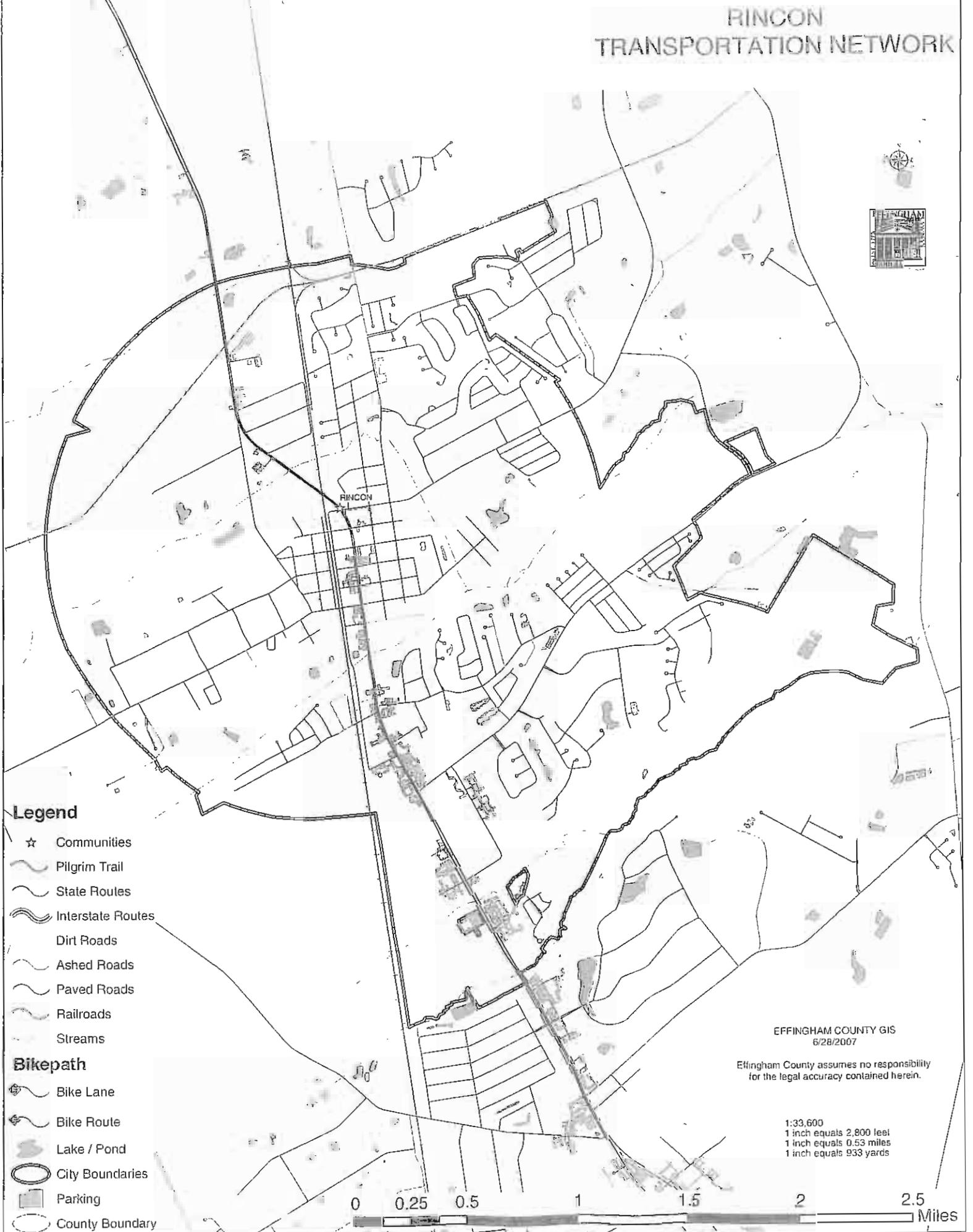


1:30,000
1 inch equals 2,500 feet
1 inch equals 0.125 miles
1 inch equals 0.0417 kilometers

EFFINGHAM COUNTY GIS
6/29/2007

Effingham County assumes no responsibility for the legal accuracy contained herein.

RINCON TRANSPORTATION NETWORK



Legend

- ☆ Communities
- ~ Pilgrim Trail
- ~ State Routes
- ~ Interstate Routes
- ~ Dirt Roads
- ~ Ashed Roads
- ~ Paved Roads
- ~ Railroads
- ~ Streams
- ~ Bikepath
 - ~ Bike Lane
 - ~ Bike Route
- Lake / Pond
- City Boundaries
- Parking
- County Boundary

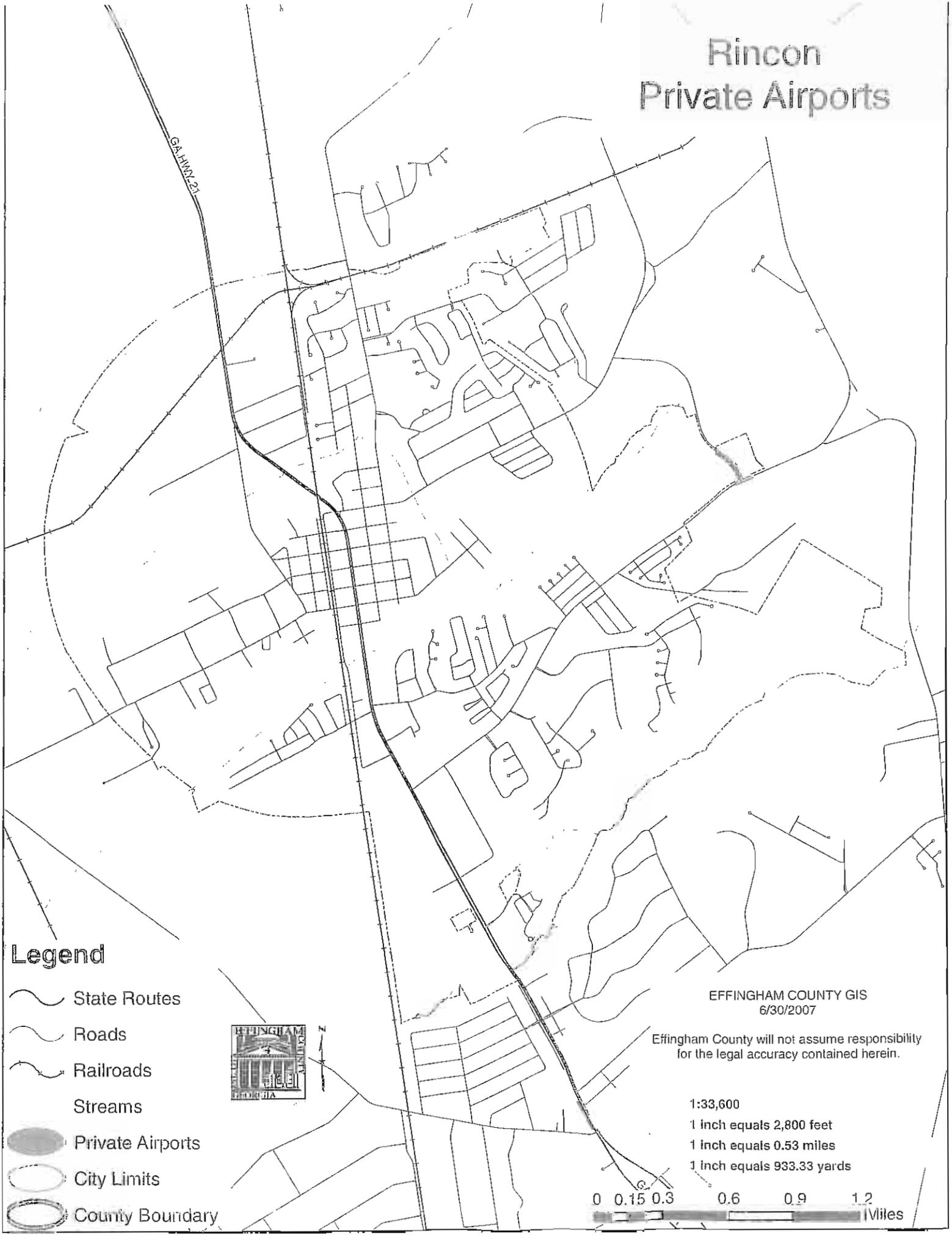
EFFINGHAM COUNTY GIS
6/28/2007

Effingham County assumes no responsibility
for the legal accuracy contained herein.

1:33,600
1 inch equals 2,800 feet
1 inch equals 0.53 miles
1 inch equals 933 yards

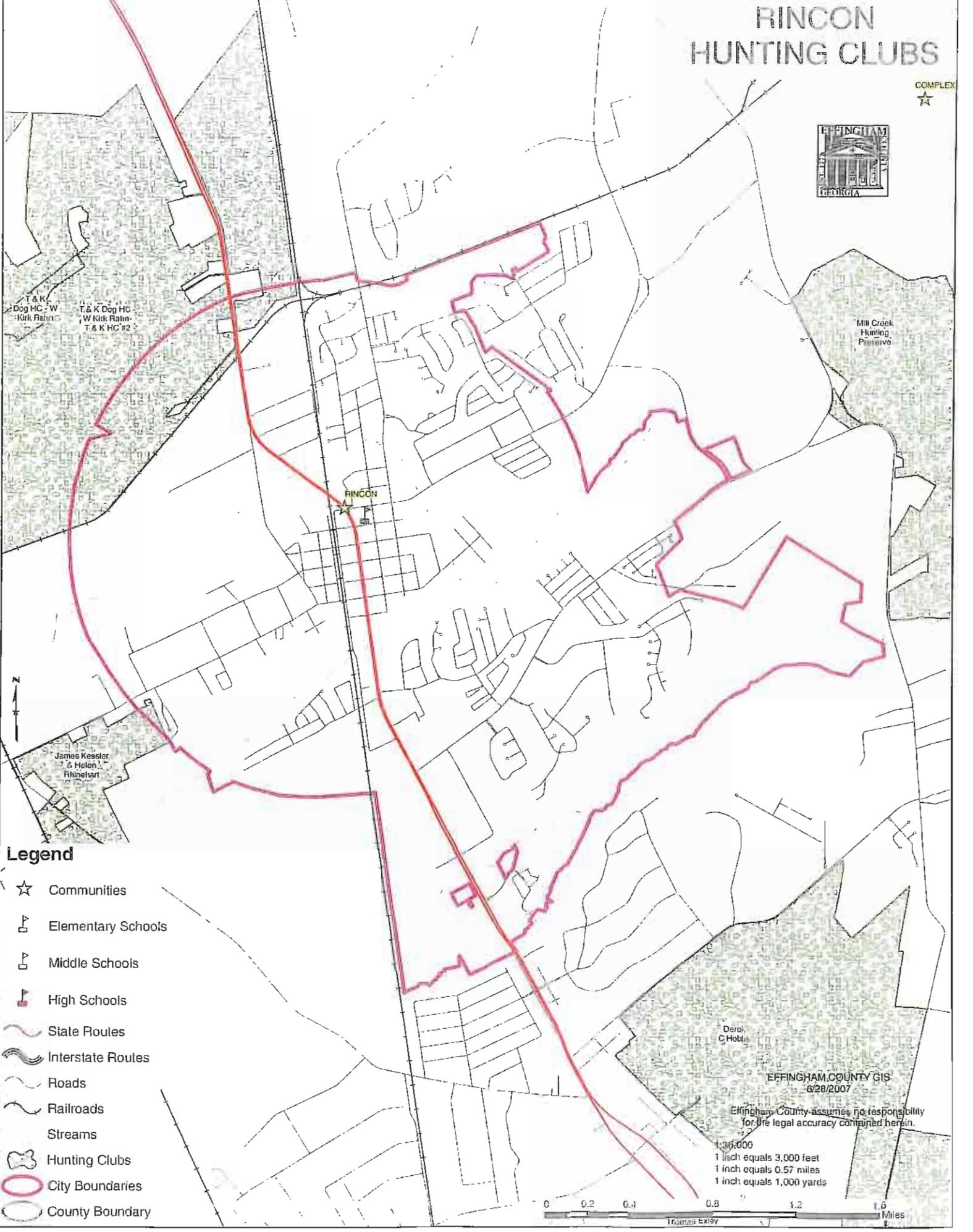


Rincon Private Airports



RINCON HUNTING CLUBS

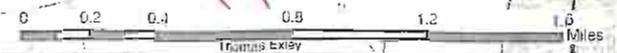
COMPLEX
★



- Legend**
- ★ Communities
 - 🏫 Elementary Schools
 - 🏫 Middle Schools
 - 🏫 High Schools
 - State Routes
 - Interstate Routes
 - Roads
 - Railroads
 - Streams
 - 🐾 Hunting Clubs
 - 🔴 City Boundaries
 - 🟡 County Boundary

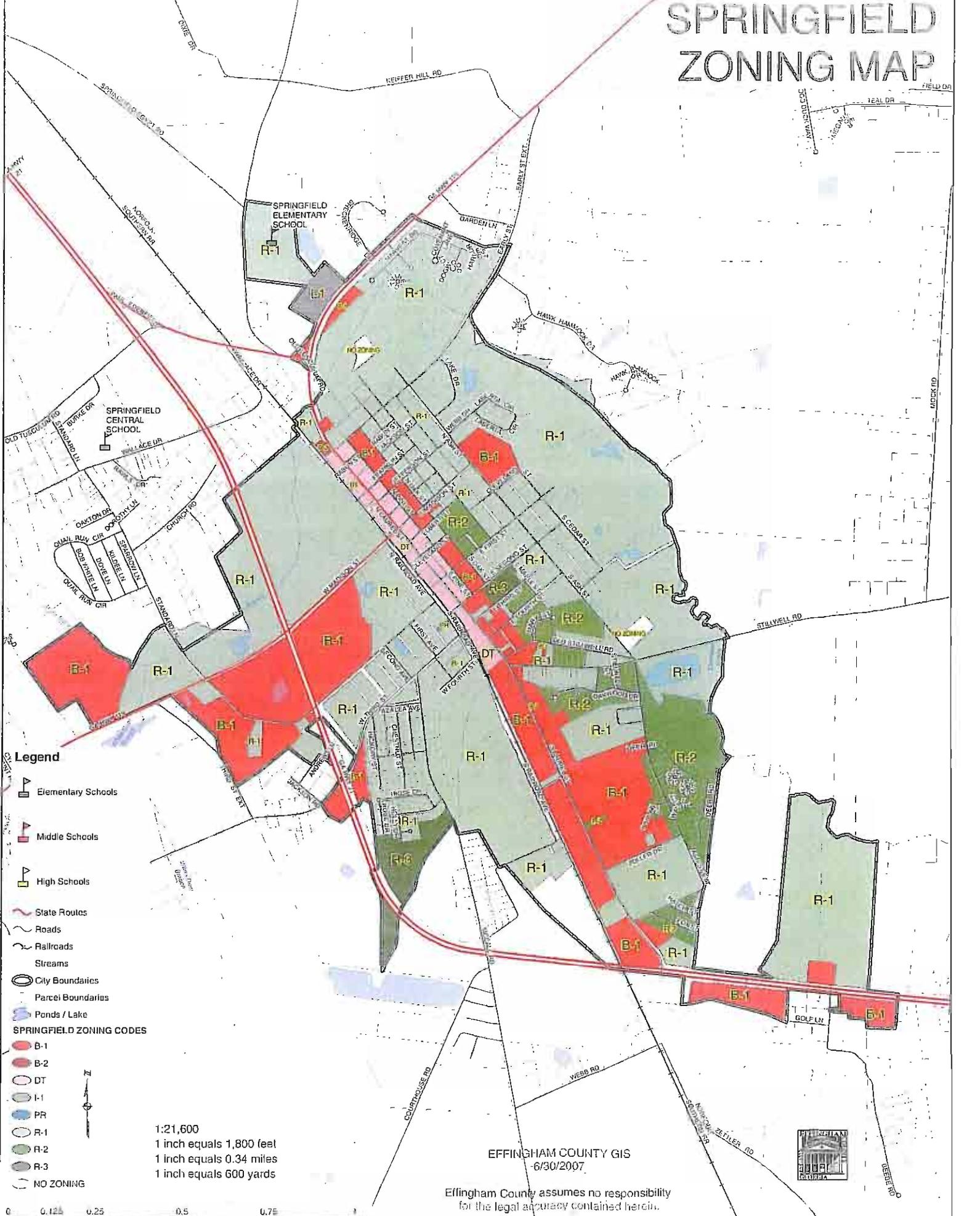
EFFINGHAM COUNTY GIS
6/28/2007
Effingham County assumes no responsibility for the legal accuracy contained herein.

1:30,000
1 inch equals 3,000 feet
1 inch equals 0.57 miles
1 inch equals 1,000 yards



Thomas Exley

SPRINGFIELD ZONING MAP



- Legend**
- Elementary Schools
 - Middle Schools
 - High Schools
 - State Routes
 - Roads
 - Railroads
 - Streams
 - City Boundaries
 - Parcel Boundaries
 - Ponds / Lake
- SPRINGFIELD ZONING CODES**
- B-1
 - B-2
 - DT
 - I-1
 - PR
 - R-1
 - R-2
 - R-3
 - NO ZONING

1:21,600
 1 inch equals 1,800 feet
 1 inch equals 0.34 miles
 1 inch equals 600 yards

0 0.125 0.25 0.5 0.75 Miles

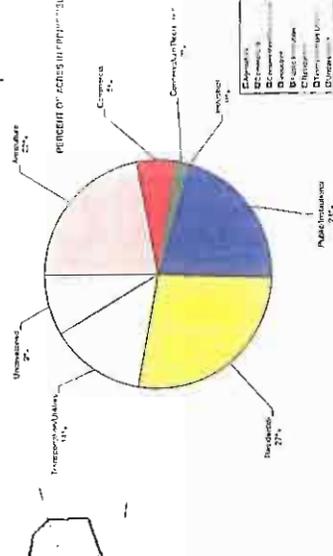
EFFINGHAM COUNTY GIS
 6/30/2007

Effingham County assumes no responsibility for the legal accuracy contained herein.



SPRINGFIELD COMPREHENSIVE PLAN EXISTING LAND USE MAP

ID	General Land Use	Number of Parcels	Total Acres
1	Agriculture	62	337.3
2	Commercial	102	81.15
3	Conservation/Recreation	6	31.01
4	Industrial	0	0.00
5	Public/Institutional	63	321.90
6	Residential	731	415.90
7	Transportation/Utilities	20	208.90
8	Undeveloped	72	132.42
	Sum	1,056	1,520.02

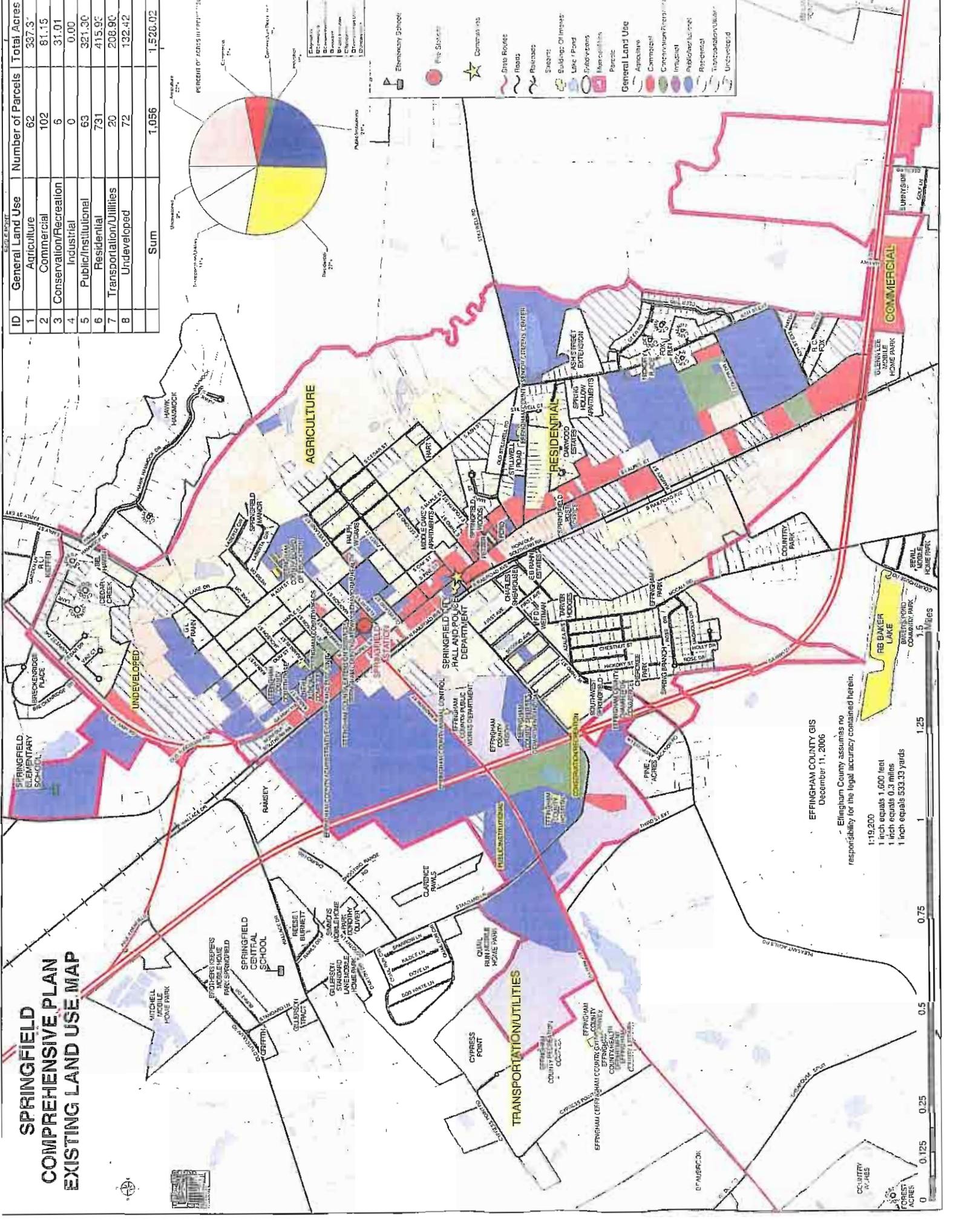


Legend

- Elementary School
- High School
- Community Center
- Church
- Daycare
- Drinking Water
- Electric
- Gas
- Highway
- Industrial
- Public/Institutional
- Residential
- Transportation/Utilities
- Undeveloped
- Water
- Wetland

General Land Use

- Agriculture
- Commercial
- Conservation/Recreation
- Industrial
- Public/Institutional
- Residential
- Transportation/Utilities
- Undeveloped



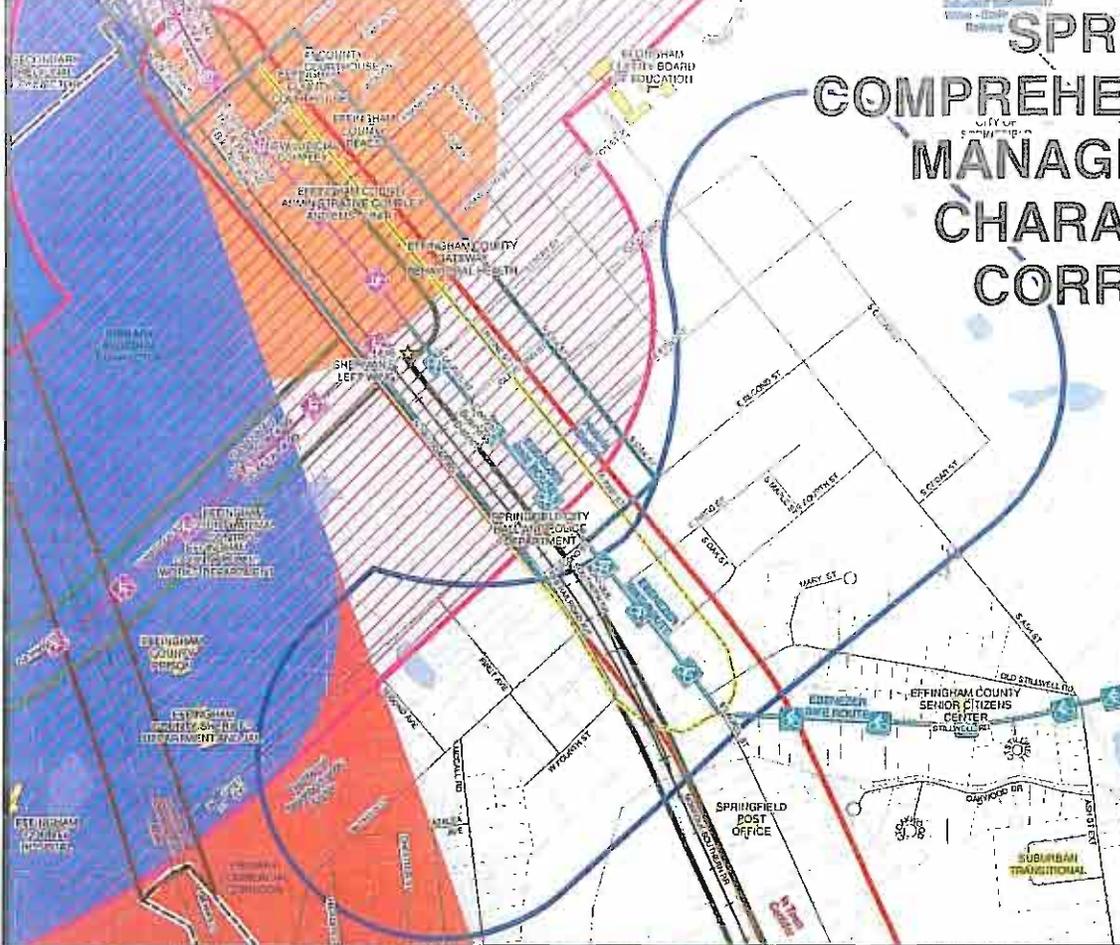
EFFRINGHAM COUNTY GIS
December 11, 2006

Efringham County assumes no responsibility for the legal accuracy contained herein.

1:16,200
1 inch equals 1,000 feet
1 inch equals 0.3 miles
1 inch equals 533.33 yards

0 0.125 0.25 0.5 0.75 1 1.25 1.5 Miles

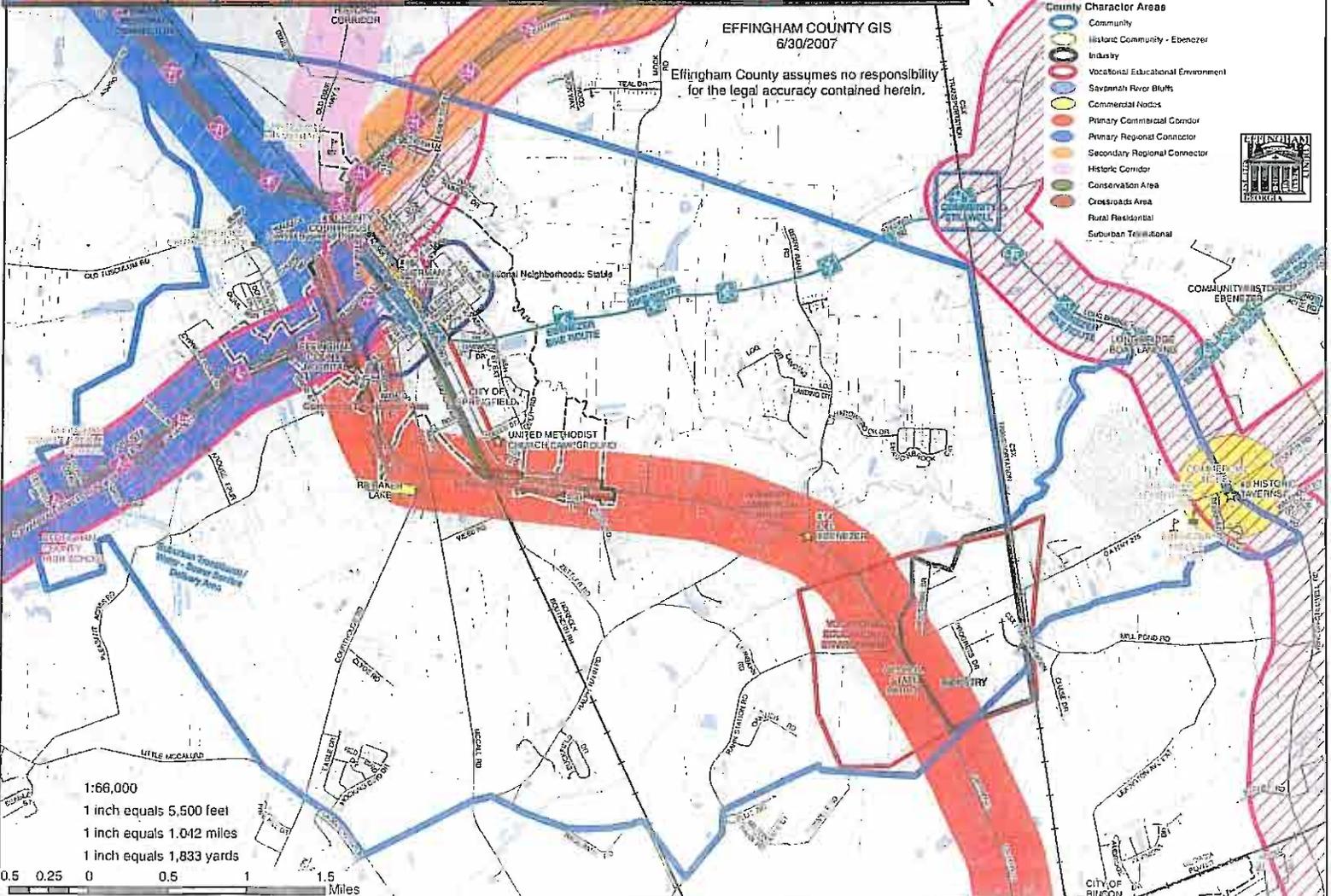
SPRINGFIELD COMPREHENSIVE GROWTH MANAGEMENT PLAN CHARACTER AREA CORRIDOR MAP



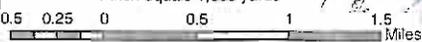
- Legend**
- Elementary Schools
 - Middle Schools
 - High Schools
 - Historic Markers
 - B&O Lane
 - B&O Arcs
 - Roads
 - Railroads
 - Streams
 - City Boundaries
 - Buildings of Interest
 - Parcels
 - Lake / Pond
- Springfield Character Areas**
- Suburban Transitional / Water - Sewer Service Delivery Area
 - Linear Greenspace, Trail & Pedestrian / B&O Network
 - Historic District
 - In Town Corridor
 - Commercial Development Area
 - Traditional Neighborhoods - Stable
 - Central Business District
 - Historic Corridor
- County Character Areas**
- Community
 - Historic Community - Ebenezer
 - Industry
 - Vocational Educational Environment
 - Savannah River Bluffs
 - Commercial Nodes
 - Primary Commercial Corridor
 - Primary Regional Corridor
 - Secondary Regional Corridor
 - Historic Corridor
 - Conservation Area
 - Crossroads Area
 - Rural Residential
 - Suburban Transitional



EFFINGHAM COUNTY GIS
6/30/2007
Effingham County assumes no responsibility
for the legal accuracy contained herein.

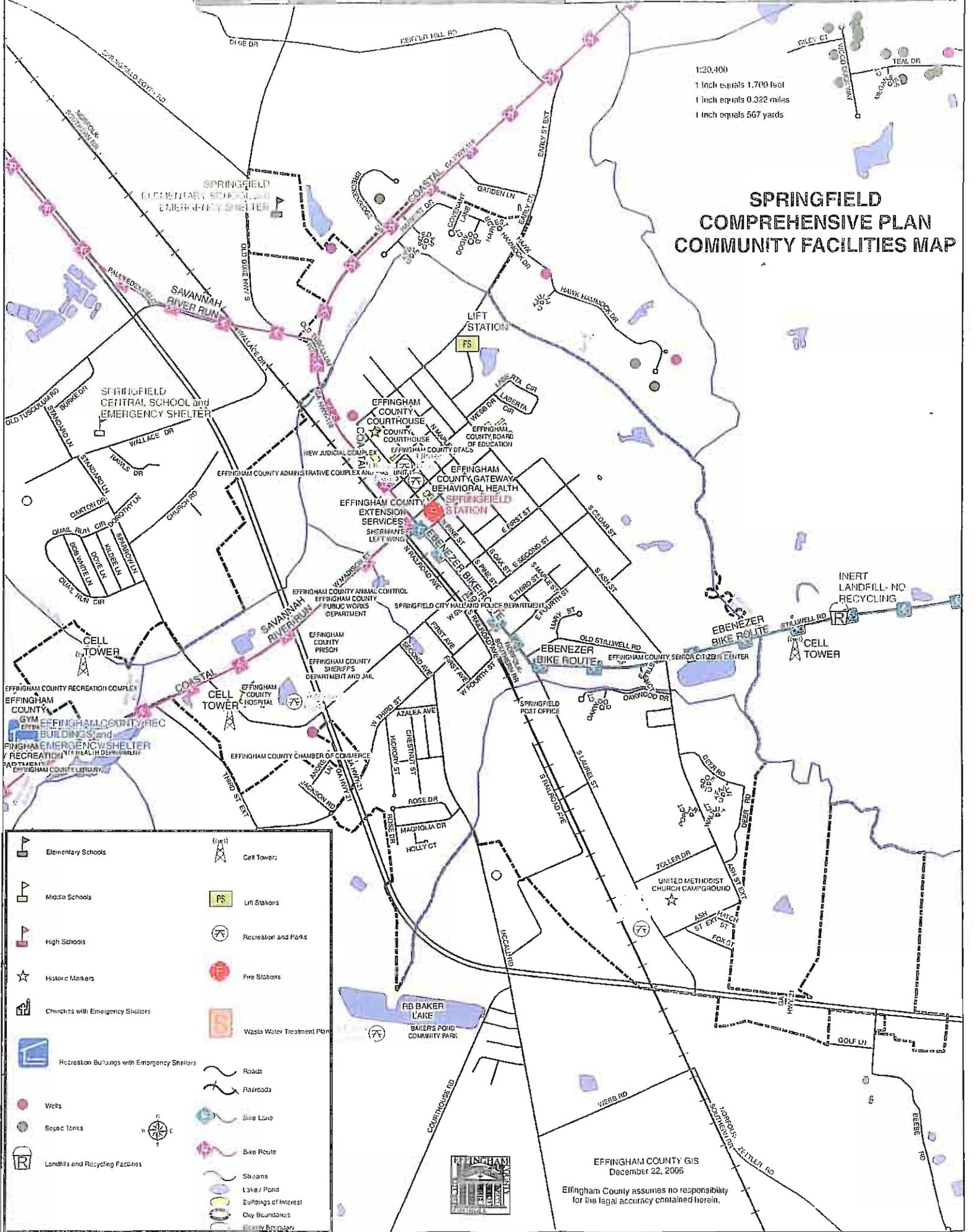


1:66,000
1 inch equals 5,500 feet
1 inch equals 1.042 miles
1 inch equals 1,833 yards



SPRINGFIELD COMPREHENSIVE PLAN COMMUNITY FACILITIES MAP

1:20,400
1 inch equals 1,700 feet
1 inch equals 0.322 miles
1 inch equals 567 yards



	Elementary Schools		Cell Tower
	Middle Schools		Lift Stations
	High Schools		Recreation and Parks
	Historic Markers		Fire Stations
	Churches with Emergency Shelters		Waste Water Treatment Plant
	Recreation Buildings with Emergency Shelters		Roads
	Wells		Railroads
	Septic Tanks		Bike Lane
	Landfills and Recycling Facilities		Bike Route
			Streams
			Lake/Pond
			Easements of Interest
			City Boundaries
			County Boundary

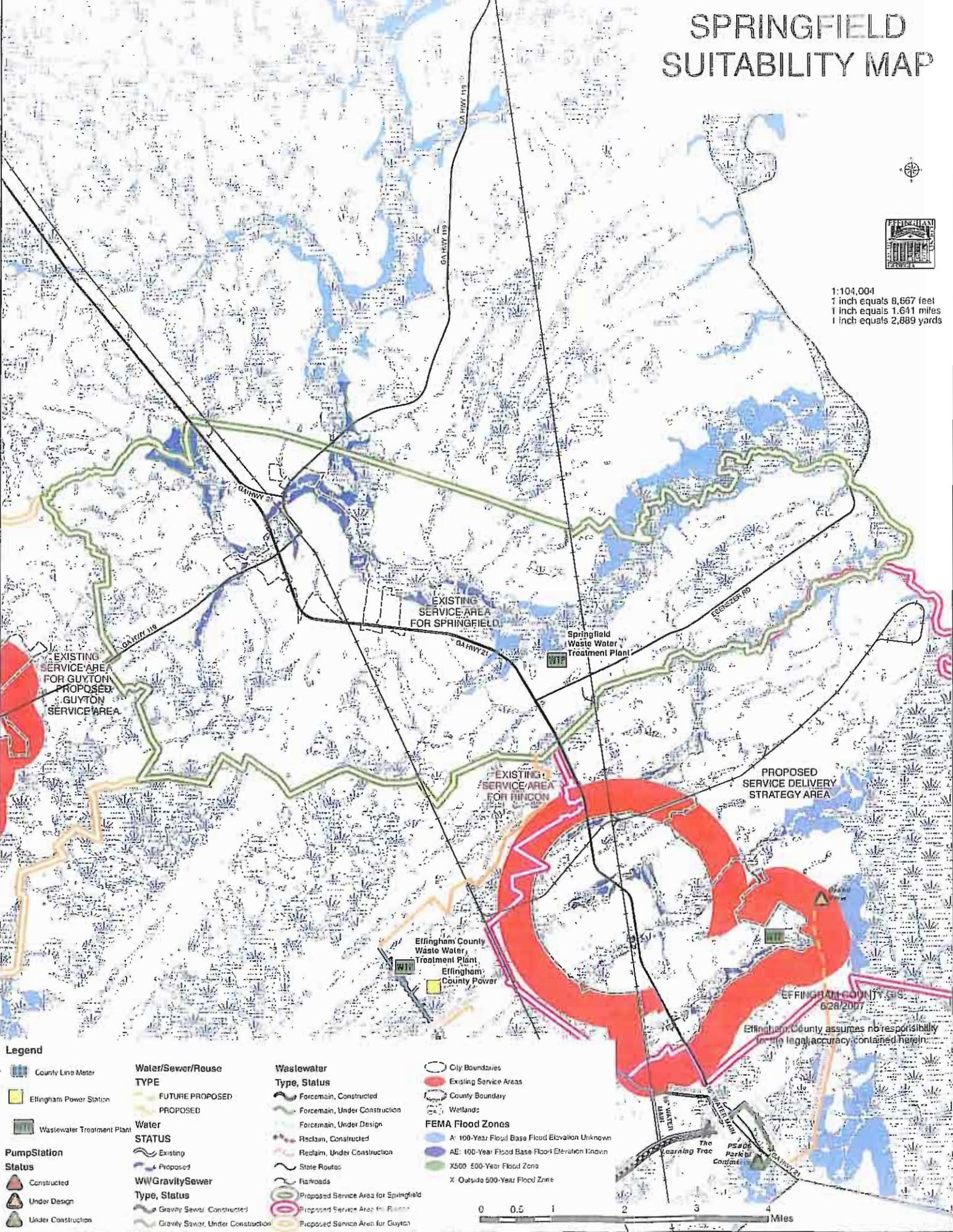


EFFINGHAM COUNTY GIS
December 22, 2006
Effingham County assumes no responsibility
for the legal accuracy contained herein.

SPRINGFIELD SUITABILITY MAP



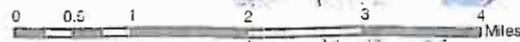
1:104,004
 1 inch equals 8,667 feet
 1 inch equals 1,641 miles
 1 inch equals 2,889 yards



Legend

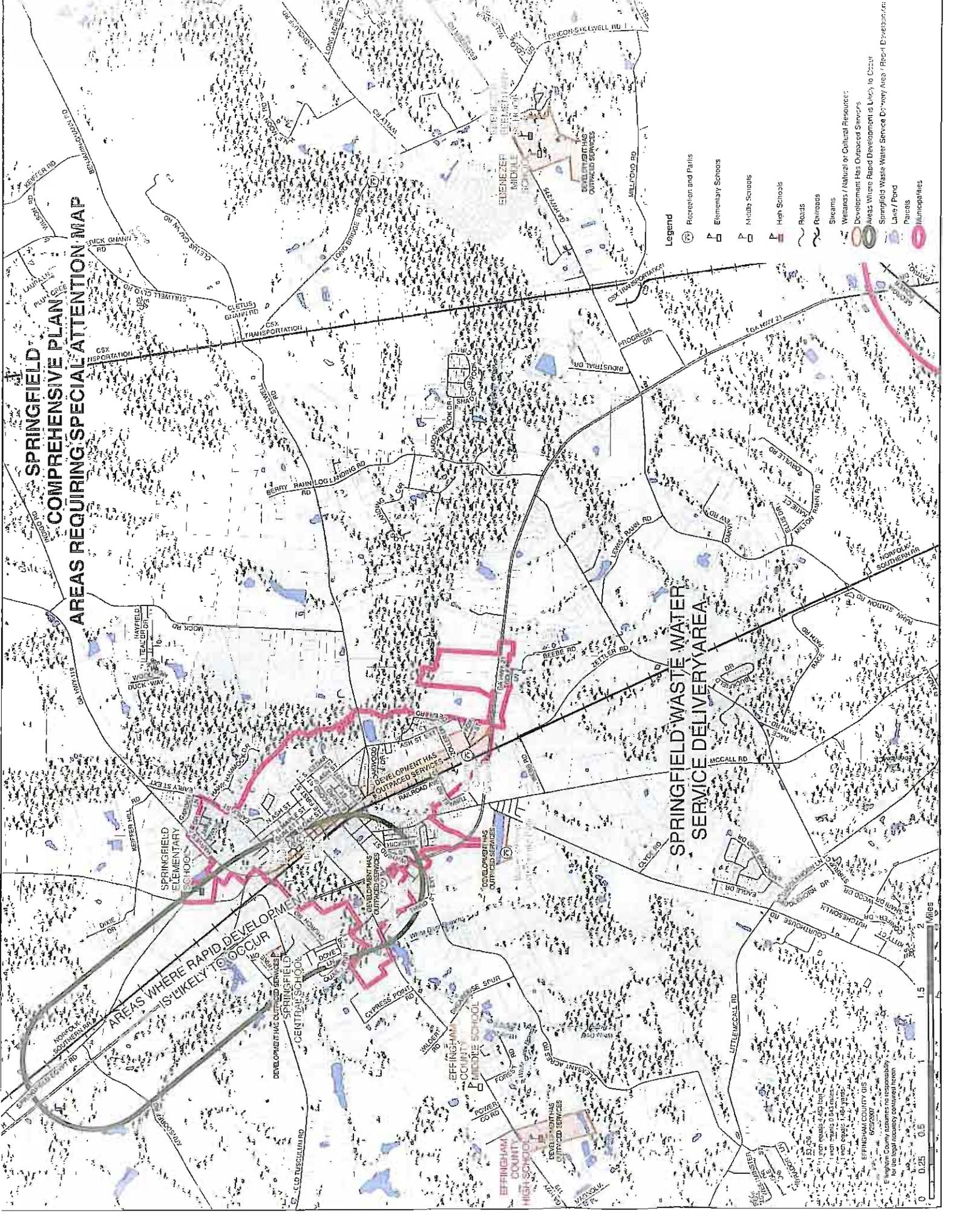
- County Line Meter
- Effingham Power Station
- Wastewater Treatment Plant
- Pump Station Status**
 - Constructed
 - Under Design
 - Under Construction
- Water/Sewer/Reuse TYPE**
 - FUTURE PROPOSED
 - PROPOSED
- Water STATUS**
 - Existing
 - Proposed
- WW Gravity Sewer Type, Status**
 - Gravity Sewer Constructed
 - Gravity Sewer Under Construction
- Wastewater Type, Status**
 - Forcemain, Constructed
 - Forcemain, Under Construction
 - Reclaim, Constructed
 - Reclaim, Under Construction
 - State Routes
 - Railroads
 - Proposed Service Area for Springfield
 - Proposed Service Area for Rincon
 - Proposed Service Area for Guyton

- City Boundaries
- Existing Service Areas
- County Boundary
- Wetlands
- FEMA Flood Zones**
 - A: 100-Year Flood Base Flood Elevation Unknown
 - AE: 100-Year Flood Base Flood Elevation Known
 - X500: 500-Year Flood Zone
 - X Outside 500-Year Flood Zone



EFFINGHAM COUNTY GIS 6/26/2007
 Effingham County assumes no responsibility for the legal accuracy contained herein.

SPRINGFIELD COMPREHENSIVE PLAN AREAS REQUIRING SPECIAL ATTENTION MAP



AREAS WHERE RAPID DEVELOPMENT IS LIKELY TO OCCUR

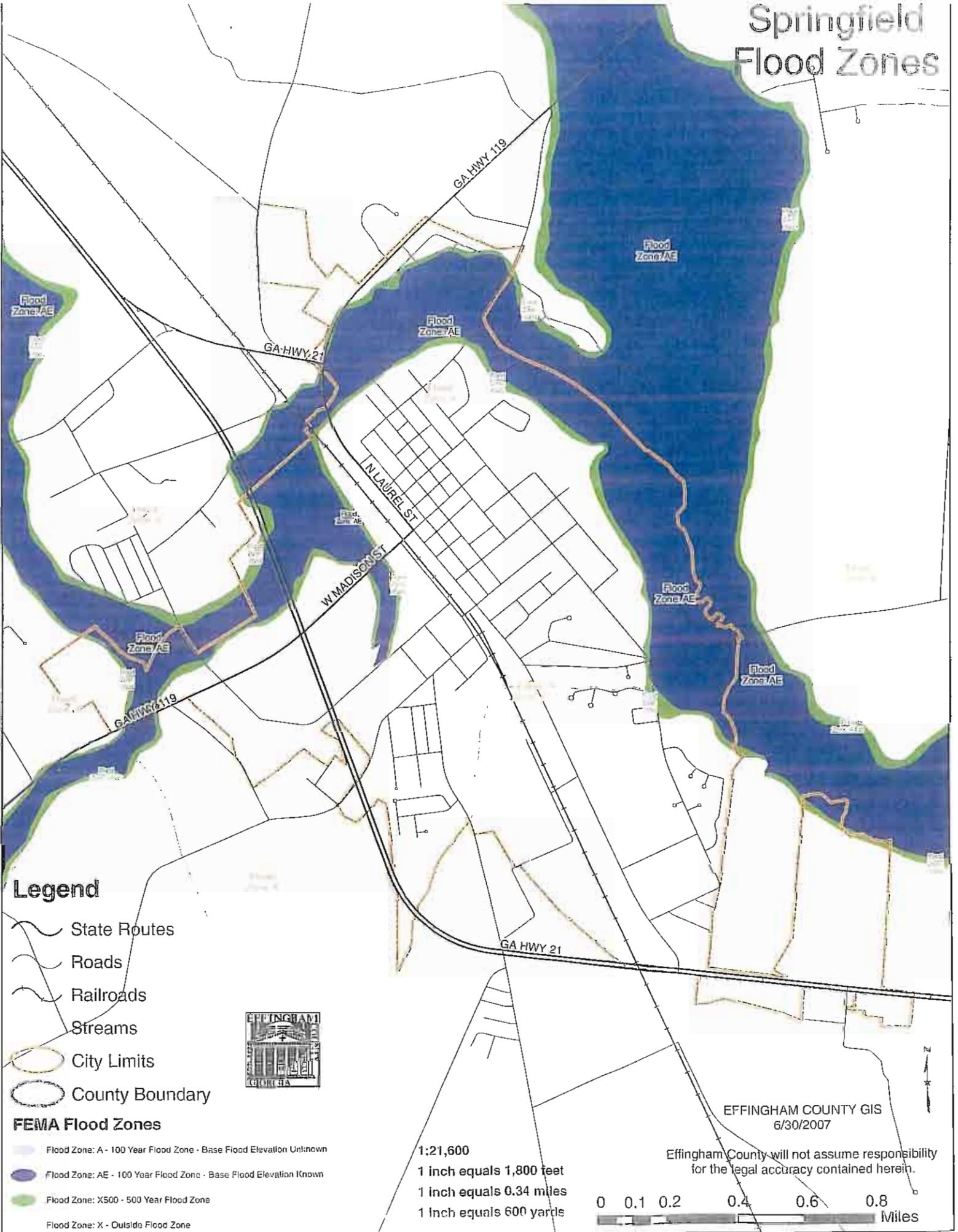
SPRINGFIELD WASTE WATER SERVICE DELIVERY AREA

- Legend**
- Parks and Recreation
 - Elementary Schools
 - Middle Schools
 - High Schools
 - Plots
 - Railroads
 - Streams
 - Wetlands / Natural or Cultural Resources
 - Development Has Outpaced Services
 - Areas Where Rapid Development is Likely to Occur
 - Springfield Waste Water Service Delivery Area
 - Lakes / Ponds
 - Parcels
 - Municipalities



EFFINGHAM COUNTY GIS
6/23/2007
Effingham County, Virginia
by the local accuracy contractual team

Springfield Flood Zones



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary

FEMA Flood Zones

- Flood Zone: A - 100 Year Flood Zone - Base Flood Elevation Unknown
- Flood Zone: AE - 100 Year Flood Zone - Base Flood Elevation Known
- Flood Zone: X500 - 500 Year Flood Zone
- Flood Zone: X - Outside Flood Zone



1:21,600
 1 inch equals 1,800 feet
 1 inch equals 0.34 miles
 1 inch equals 600 yards

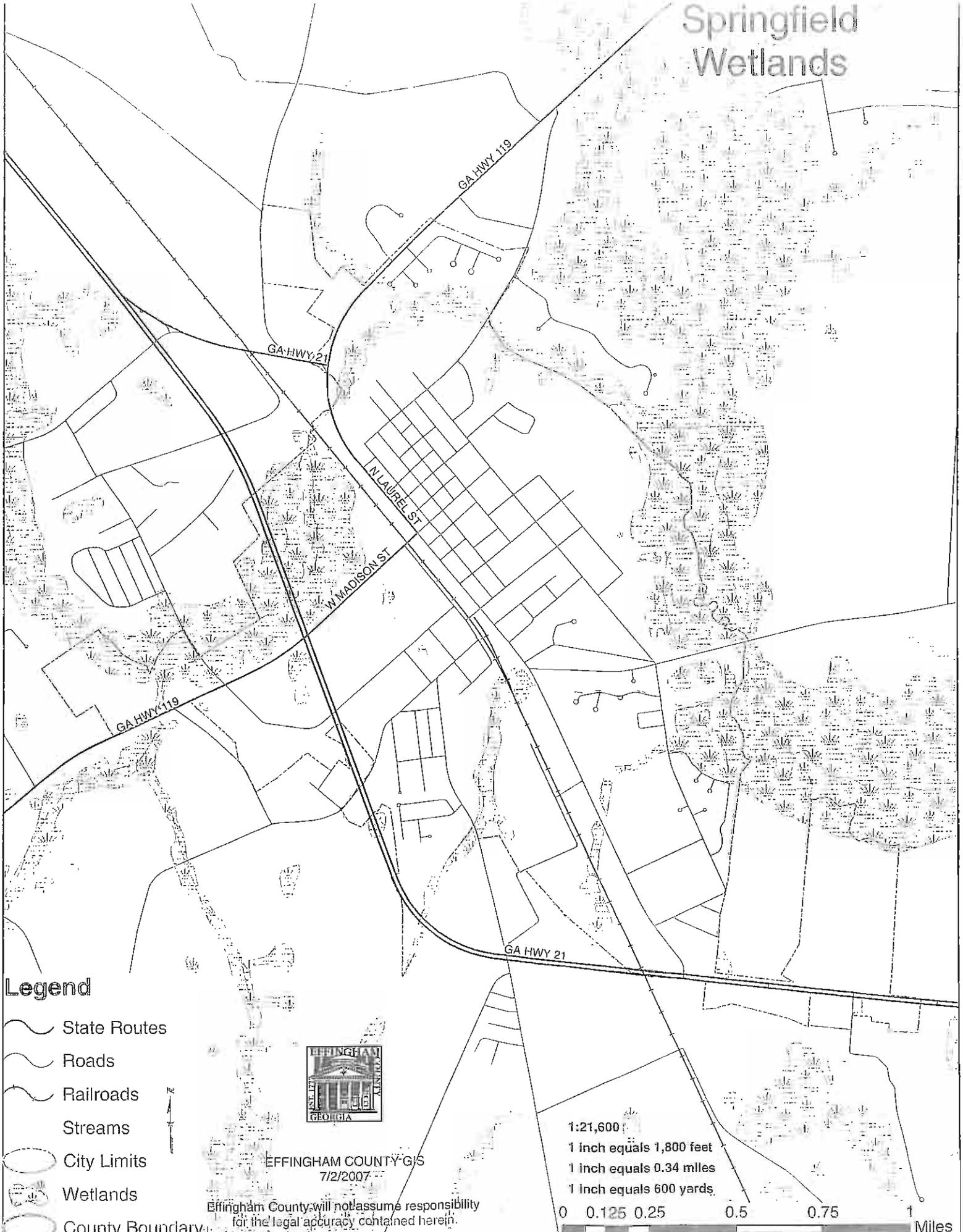


EFFINGHAM COUNTY GIS
 6/30/2007

Effingham County will not assume responsibility
 for the legal accuracy contained herein.



Springfield Wetlands



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- Wetlands
- County Boundary



EFFINGHAM COUNTY GIS
7/2/2007
Effingham County will not assume responsibility
for the legal accuracy contained herein.

1:21,600
1 inch equals 1,800 feet
1 inch equals 0.34 miles
1 inch equals 600 yards

0 0.125 0.25 0.5 0.75 1 Miles

Springfield Water Sheds



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary

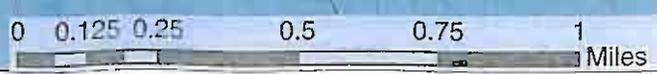
Water Sheds

- Ogeechee River
- Savannah River



ERLINGHAM COUNTY GIS
2020
Erlingham County will not assume responsibility
for the legal accuracy contained herein.

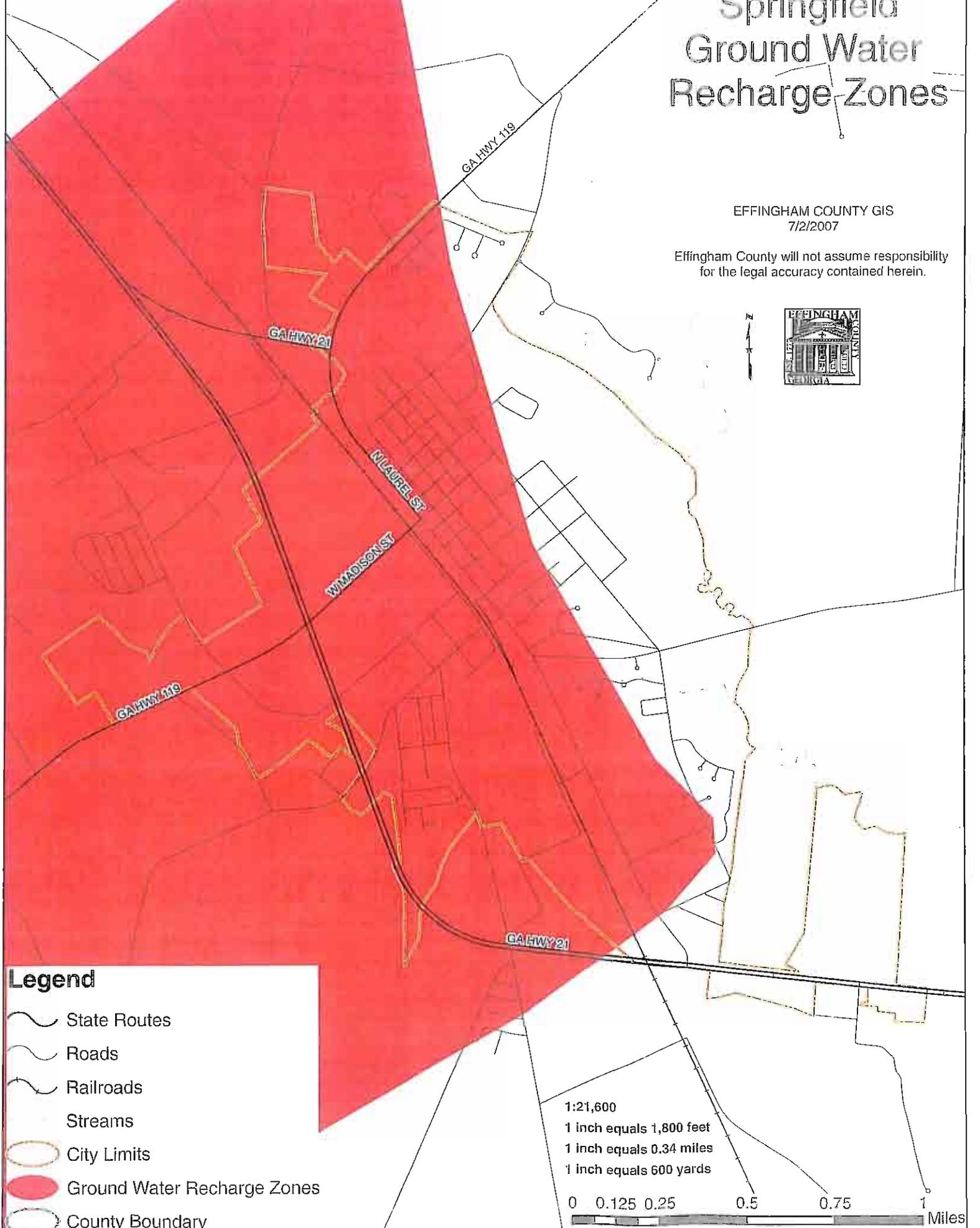
1:21,600
1 inch equals 1,800 feet
1 inch equals 0.34 miles
1 inch equals 600 yards



Springfield Ground Water Recharge Zones

EFFINGHAM COUNTY GIS
7/2/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

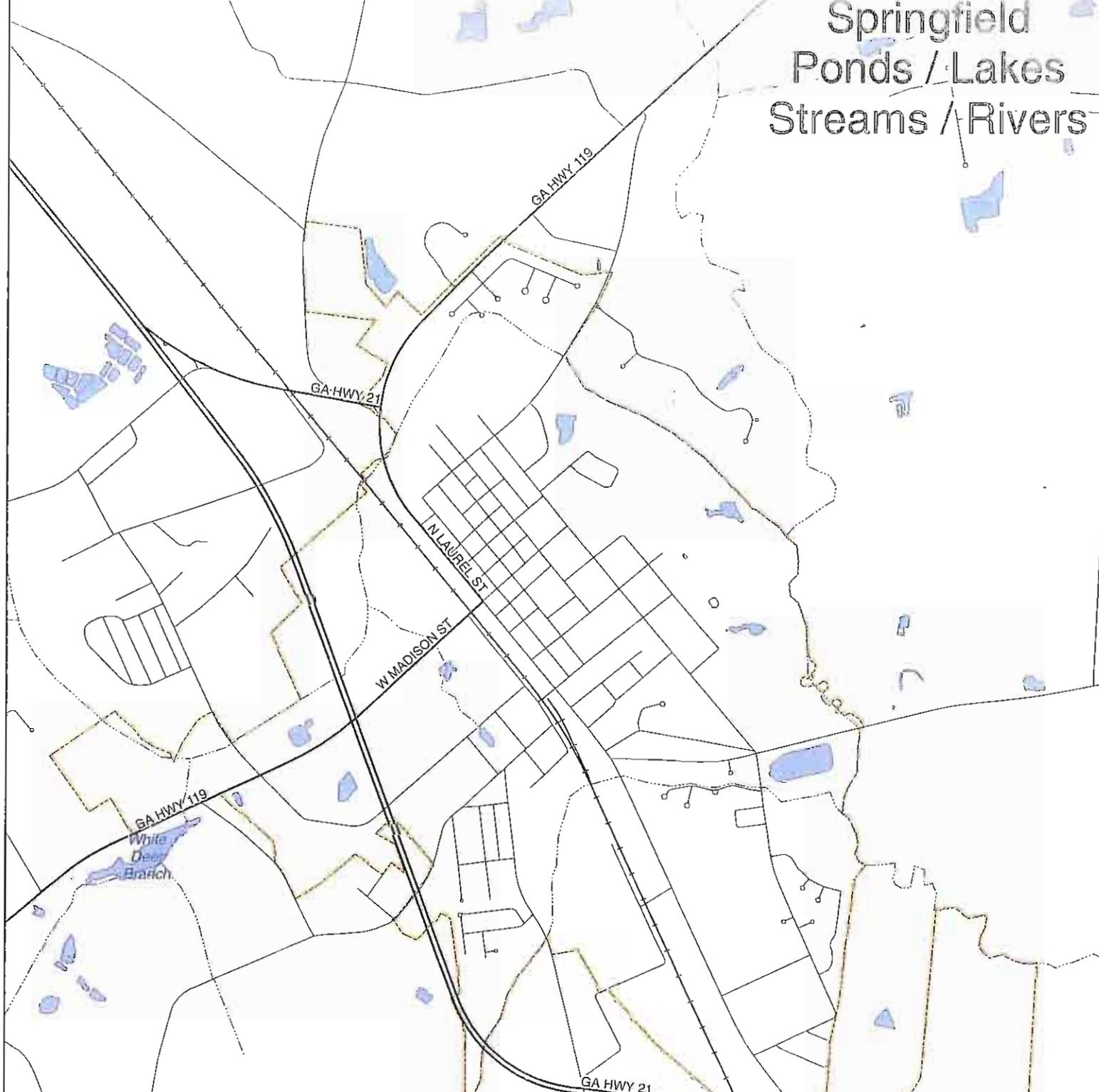


- Legend**
- State Routes
 - Roads
 - Railroads
 - Streams
 - City Limits
 - Ground Water Recharge Zones
 - County Boundary

1:21,600
1 inch equals 1,800 feet
1 inch equals 0.34 miles
1 inch equals 600 yards

0 0.125 0.25 0.5 0.75 1 Miles

Springfield Ponds / Lakes Streams / Rivers



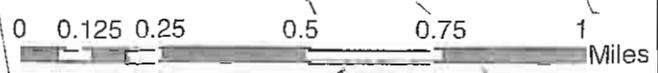
- Legend**
- State Routes
 - Roads
 - Railroads
 - Streams
 - Ponds / Lakes
 - City Limits
 - County Boundary



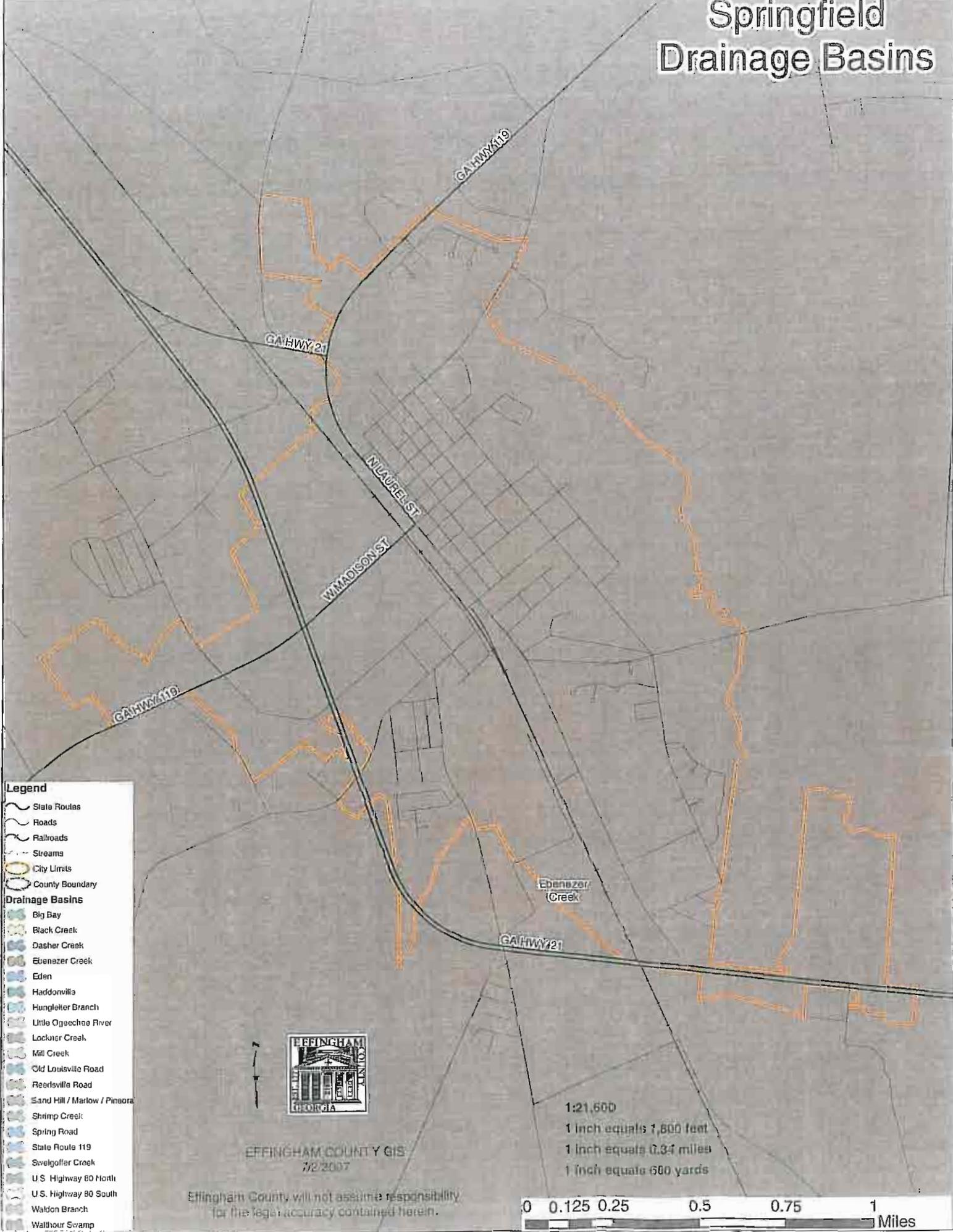
EFFINGHAM COUNTY GIS
7/2/2007

Effingham County will not assume responsibility for the legal accuracy contained herein.

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1 inch equals 1,800 feet
1 inch equals 0.34 miles
1 inch equals 600 yards



Springfield Drainage Basins



- Legend**
- State Routes
 - Roads
 - Railroads
 - Streams
 - City Limits
 - County Boundary
 - Drainage Basins**
 - Big Bay
 - Black Creek
 - Dasher Creek
 - Ebenezer Creek
 - Eden
 - Haddonville
 - Hungler Branch
 - Little Ogeechee River
 - Locker Creek
 - Mill Creek
 - Old Louisville Road
 - Reedsville Road
 - Sand Hill / Marlow / Pineora
 - Shrimp Creek
 - Spring Road
 - State Route 119
 - Sveigoffer Creek
 - U.S. Highway 80 North
 - U.S. Highway 80 South
 - Waldon Branch
 - Waltour Swamp



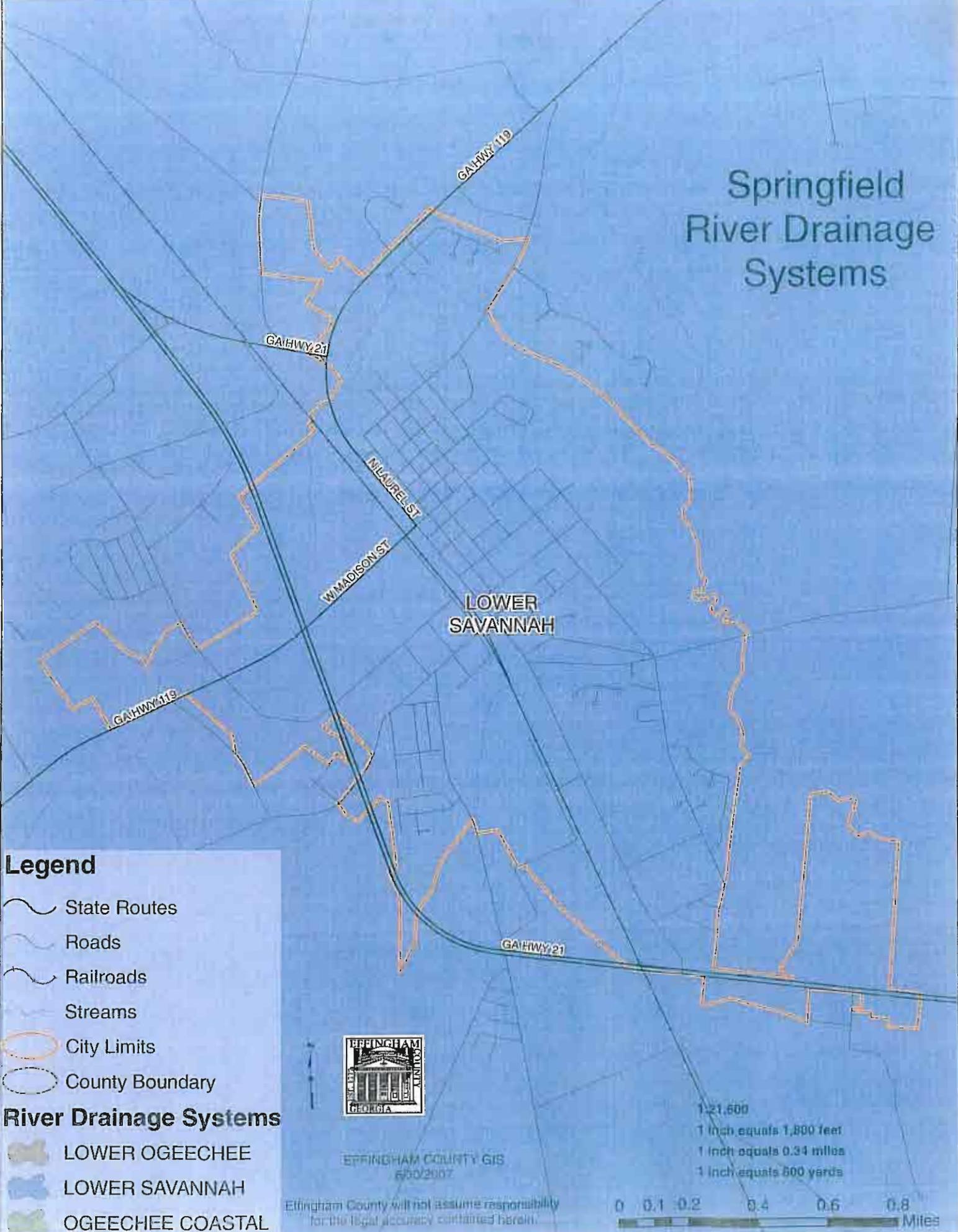
EFFINGHAM COUNTY GIS
7/2/2007

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1 inch equals 0.34 miles
1 inch equals 600 yards



Springfield River Drainage Systems



Legend

- State Routes
- Roads
- Railroads
- Streams
- City Limits
- County Boundary

River Drainage Systems

- LOWER OGEECHEE
- LOWER SAVANNAH
- OGEECHEE COASTAL



EFFINGHAM COUNTY GIS
6/30/2007

Effingham County will not assume responsibility for the legal accuracy contained herein.

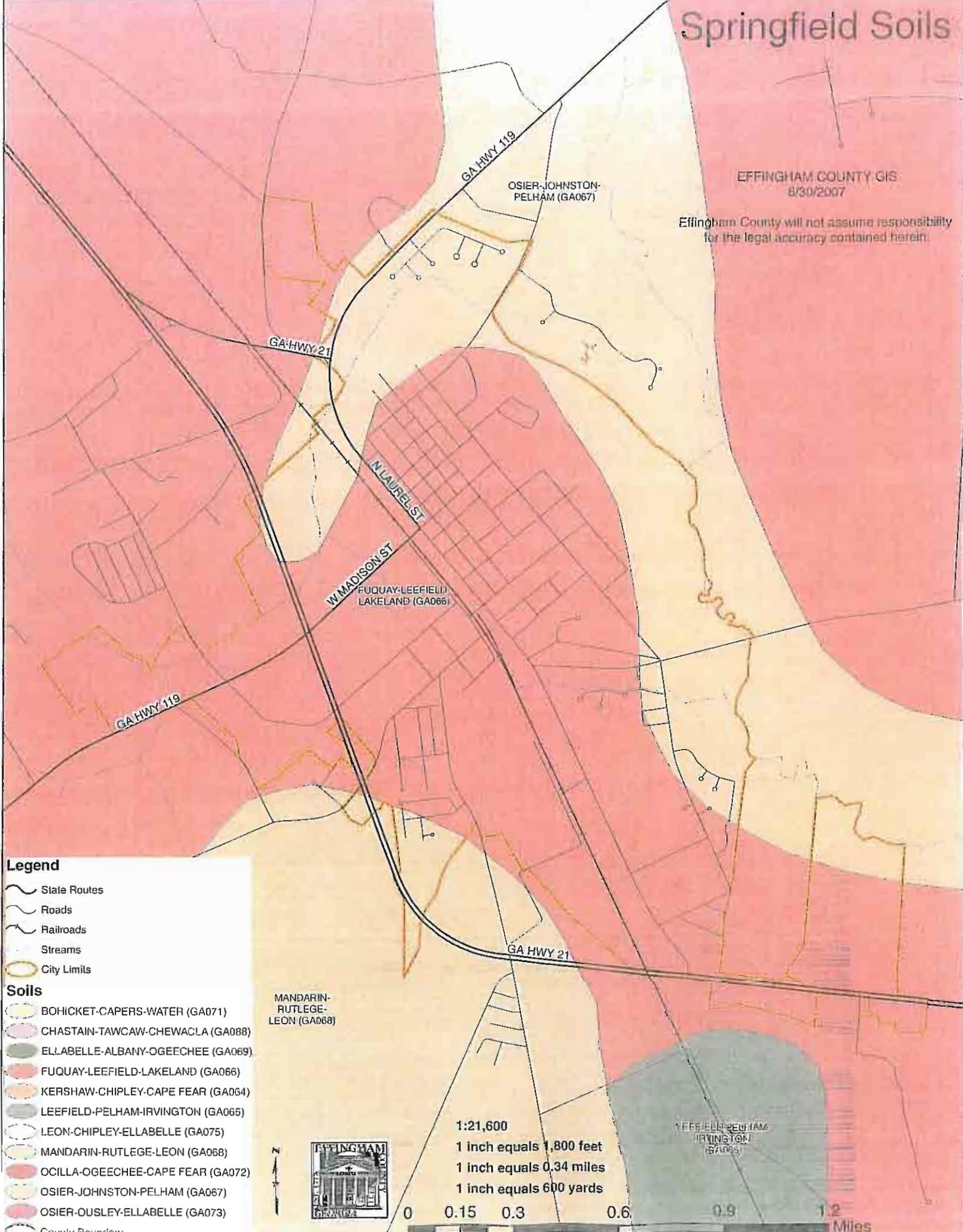
1:21,600
1 inch equals 1,800 feet
1 inch equals 0.34 miles
1 inch equals 600 yards

0 0.1 0.2 0.4 0.6 0.8 Miles

Springfield Soils

EFFINGHAM COUNTY GIS
8/30/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.

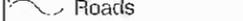
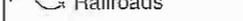
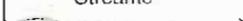


- Legend**
- State Routes
 - Roads
 - Railroads
 - Streams
 - City Limits
- Soils**
- BOHICKET-CAPEERS-WATER (GA071)
 - CHASTAIN-TAWCAW-CHEWACLA (GA088)
 - ELLABELLE-ALBANY-OGEECHEE (GA069)
 - FUQUAY-LEEFIELD-LAKELAND (GA066)
 - KERSHAW-CHIPLEY-CAPE FEAR (GA064)
 - LEEFIELD-PELHAM-IRVINGTON (GA065)
 - LEON-CHIPLEY-ELLABELLE (GA075)
 - MANDARIN-RUTLEGE-LEON (GA068)
 - OCILLA-OGEECHEE-CAPE FEAR (GA072)
 - OSIER-JOHNSTON-PELHAM (GA067)
 - OSIER-OUSLEY-ELLABELLE (GA073)
 - County Boundary

MANDARIN-
RUTLEGE-
LEON (GA068)

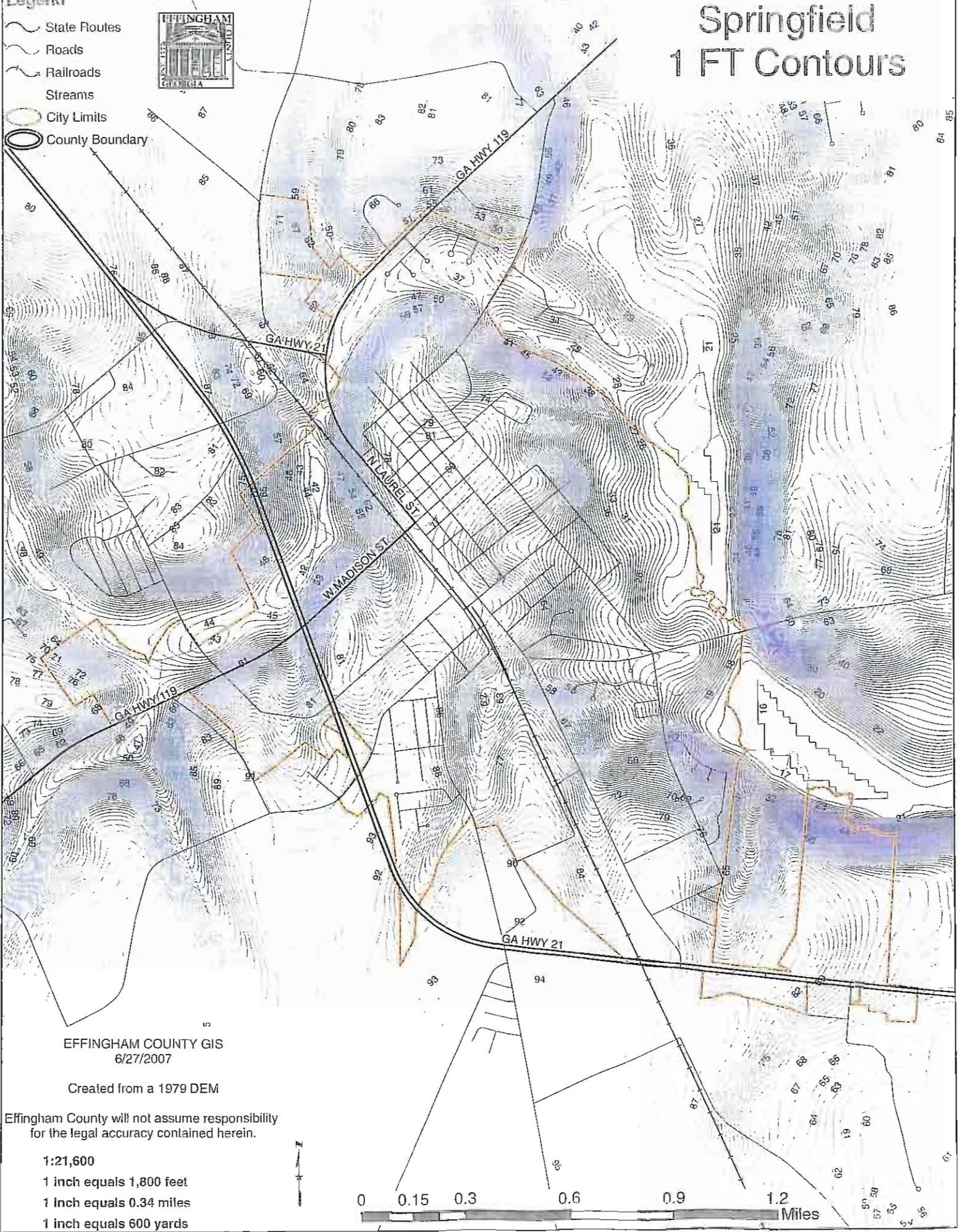
LEEFIELD-PELHAM-
IRVINGTON
(GA065)



- Legend**
-  State Routes
 -  Roads
 -  Railroads
 -  Streams
 -  City Limits
 -  County Boundary



Springfield 1 FT Contours

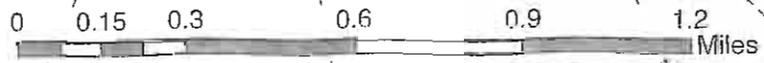


EFFINGHAM COUNTY GIS
6/27/2007

Created from a 1979 DEM

Effingham County will not assume responsibility
for the legal accuracy contained herein.

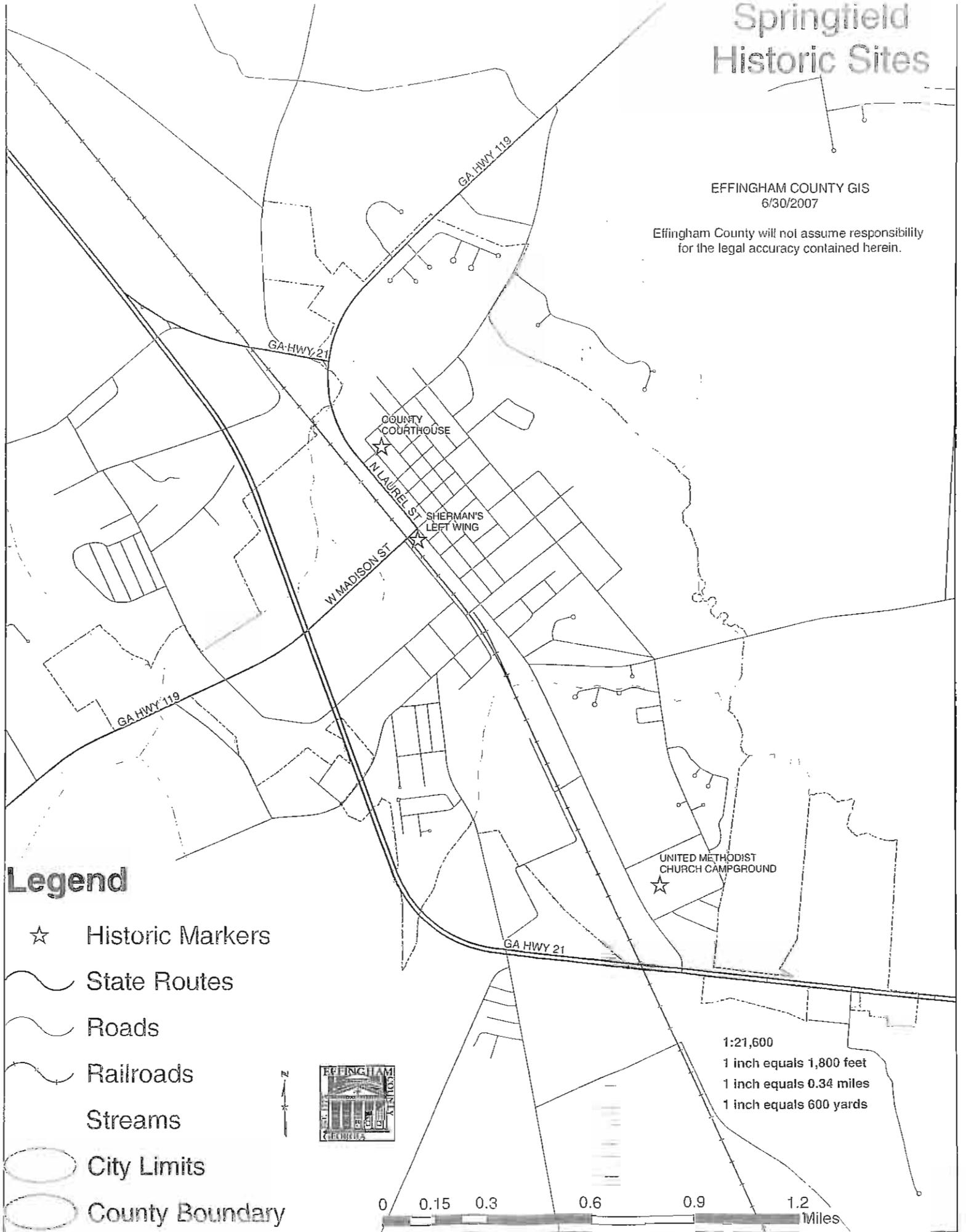
- 1:21,600
- 1 inch equals 1,800 feet
- 1 inch equals 0.34 miles
- 1 inch equals 600 yards



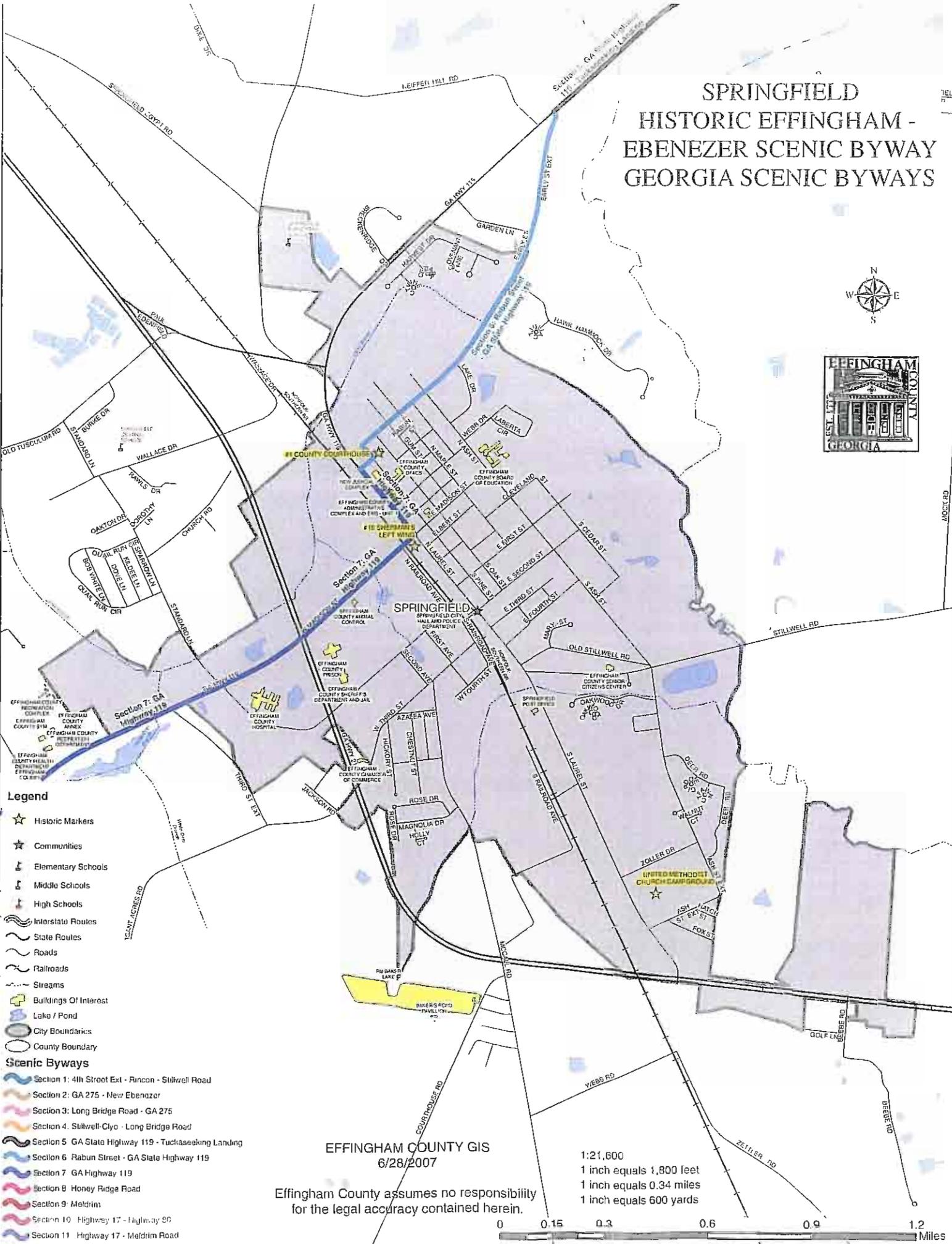
Springfield Historic Sites

EFFINGHAM COUNTY GIS
6/30/2007

Effingham County will not assume responsibility
for the legal accuracy contained herein.



SPRINGFIELD HISTORIC EFFINGHAM - EBENEZER SCENIC BYWAY GEORGIA SCENIC BYWAYS



- Legend**
- ☆ Historic Markers
 - ★ Communities
 - 🏫 Elementary Schools
 - 🏫 Middle Schools
 - 🏫 High Schools
 - 🛣 Interstate Routes
 - 🛣 State Routes
 - 🛣 Roads
 - 🚂 Railroads
 - 🌊 Streams
 - 🏠 Buildings Of Interest
 - 🌊 Lake / Pond
 - 🏙 City Boundaries
 - 🗺 County Boundary
- Scenic Byways**

- Section 1: 4th Street Ext - Rincon - Stillwell Road
- Section 2: GA 275 - New Ebenezer
- Section 3: Long Bridge Road - GA 275
- Section 4: Stillwell - Clio - Long Bridge Road
- Section 5: GA State Highway 119 - Tuchaseeking Landing
- Section 6: Rabun Street - GA State Highway 119
- Section 7: GA Highway 119
- Section 8: Honey Ridge Road
- Section 9: Meldrim
- Section 10: Highway 17 - Highway 90
- Section 11: Highway 17 - Meldrim Road

EFFINGHAM COUNTY GIS
6/28/2007

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for the legal accuracy contained herein.

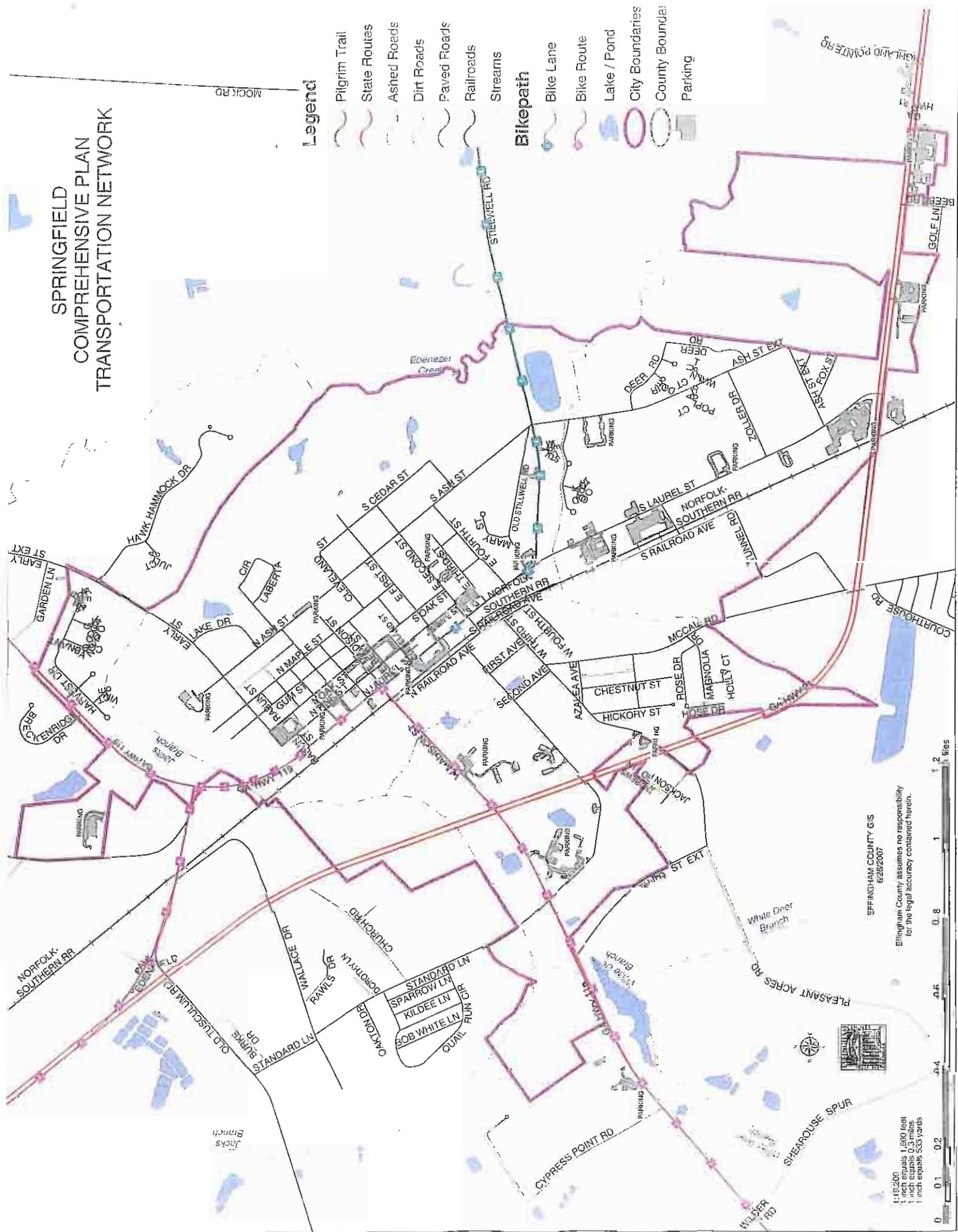
1:21,600
1 inch equals 1,800 feet
1 inch equals 0.34 miles
1 inch equals 600 yards



SPRINGFIELD COMPREHENSIVE PLAN TRANSPORTATION NETWORK

Legend

- Pilgrim Trail
- State Routes
- Ashed Roads
- Dirt Roads
- Paved Roads
- Railroads
- Streams
- Bikepath**
- Bike Lane
- Bike Route
- Lake / Pond
- City Boundaries
- County Boundaries
- Parking



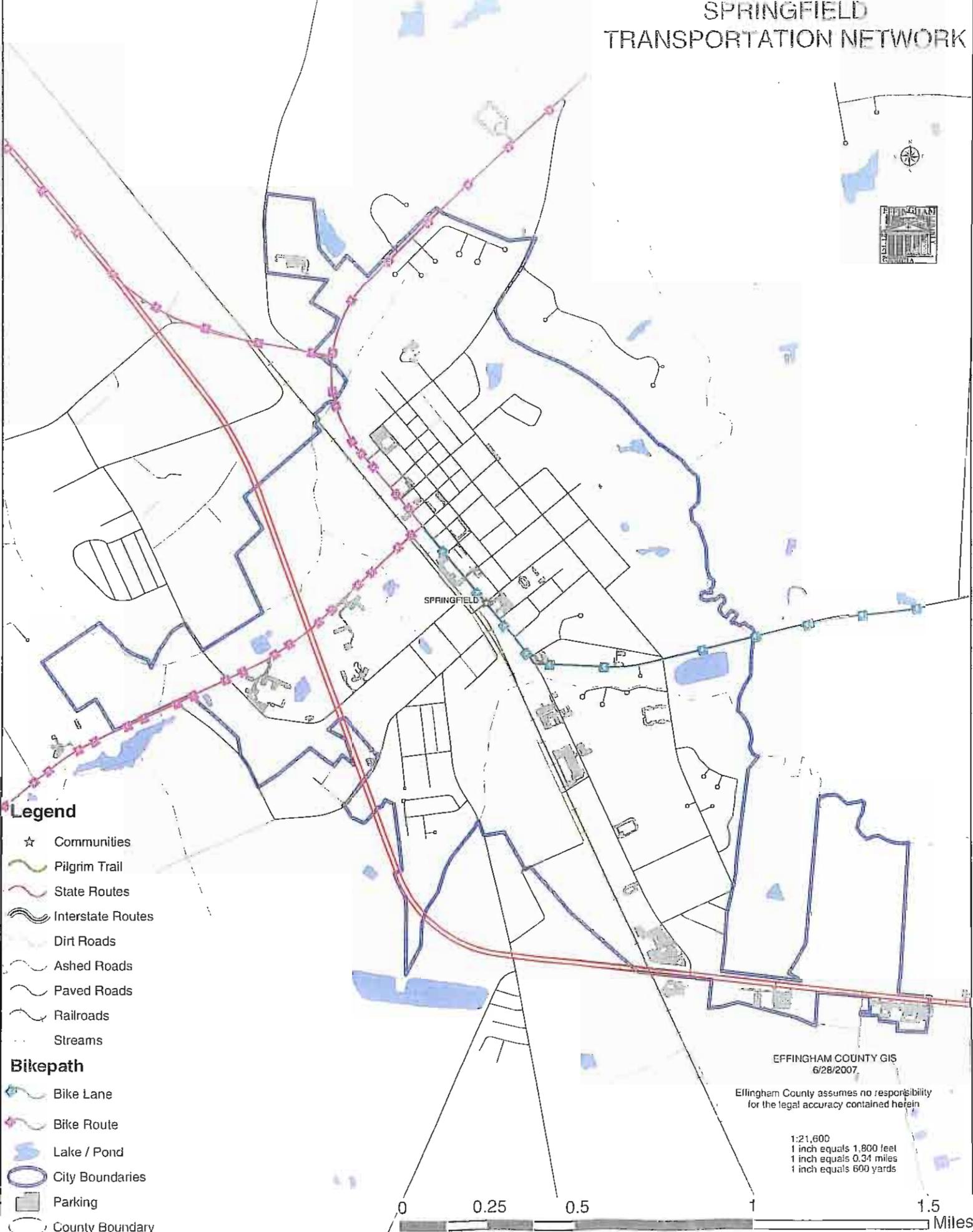
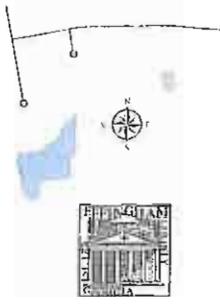
EFFINGHAM COUNTY GIS
6/26/2007

Effingham County assumes no responsibility for the legal accuracy contained herein.

1:10,000
1 inch equals 1,500 feet
1 inch equals 3,000 meters
1 inch equals 300 yards



SPRINGFIELD TRANSPORTATION NETWORK



Legend

- ☆ Communities
- Pilgrim Trail
- State Routes
- Interstate Routes
- Dirt Roads
- Ashed Roads
- Paved Roads
- Railroads
- Streams

Bikepath

- Bike Lane
- Bike Route
- Lake / Pond
- City Boundaries
- Parking
- County Boundary

EFFINGHAM COUNTY GIS
6/28/2007

Effingham County assumes no responsibility
for the legal accuracy contained herein

1:21,600
1 inch equals 1,800 feet
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1 inch equals 600 yards



Springfield Private Airports



Legend

- State Routes
- Roads
- Railroads
- Streams
- Private Airports
- City Limits
- County Boundary



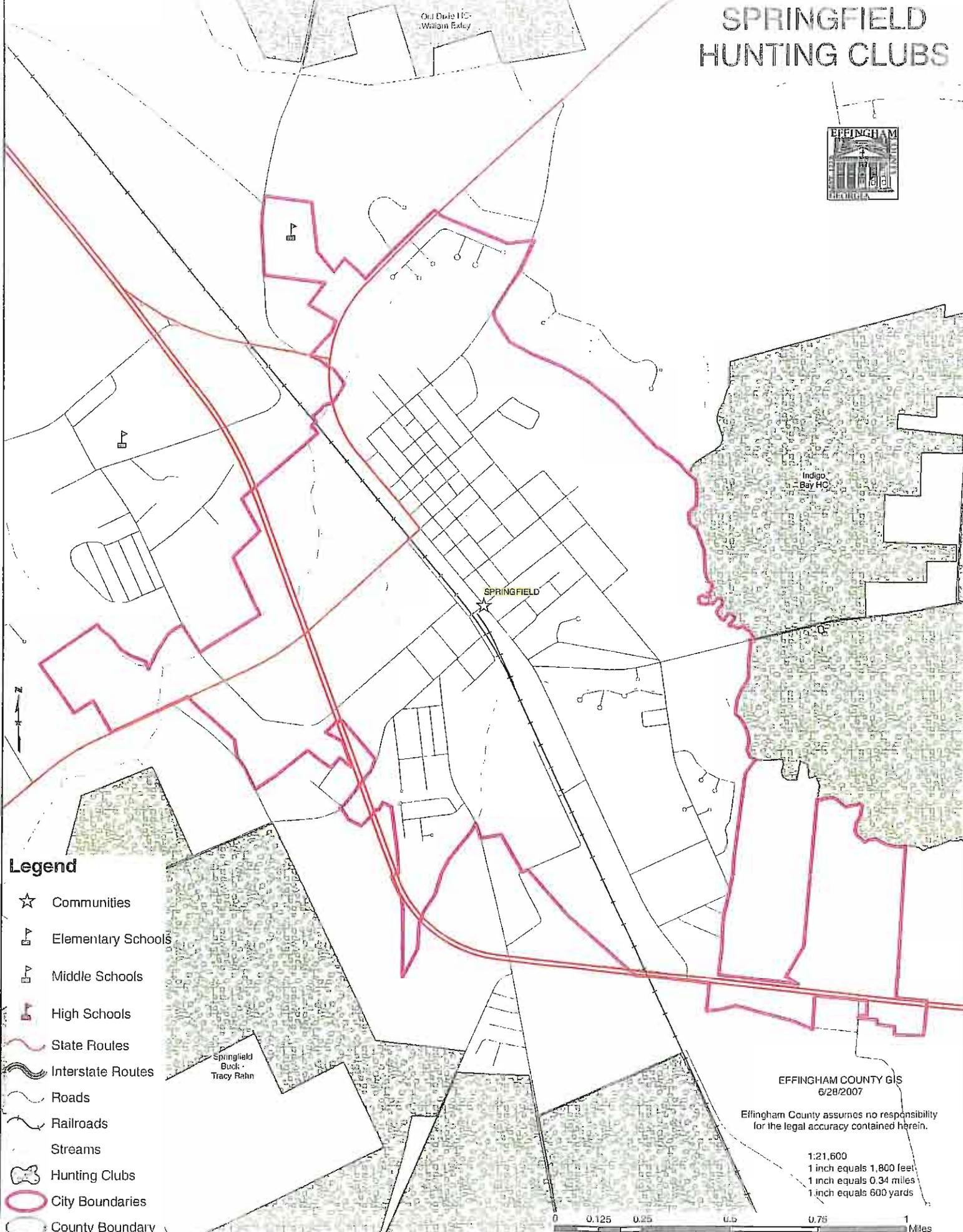
EFFINGHAM COUNTY GIS
6/30/2007

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1 inch equals 600 yards

0 0.1 0.2 0.4 0.6 0.8 Miles

SPRINGFIELD HUNTING CLUBS



Old Dixie HC - William Exley

Indigo Bay HC

SPRINGFIELD

Springfield Buck - Tracy Rahn

- Legend**
- ☆ Communities
 - 🏠 Elementary Schools
 - 🏠 Middle Schools
 - 🏠 High Schools
 - 🛣️ State Routes
 - 🛣️ Interstate Routes
 - 🛣️ Roads
 - 🚂 Railroads
 - 🌊 Streams
 - 🐾 Hunting Clubs
 - 🔴 City Boundaries
 - ⬭ County Boundary

EFFINGHAM COUNTY GIS
6/28/2007

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