



DeKalb
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How do you Showcase a Parcel Conversion Project



Presented by:
Stacy Grear, GIS Director
Kevin Stewart, GISi



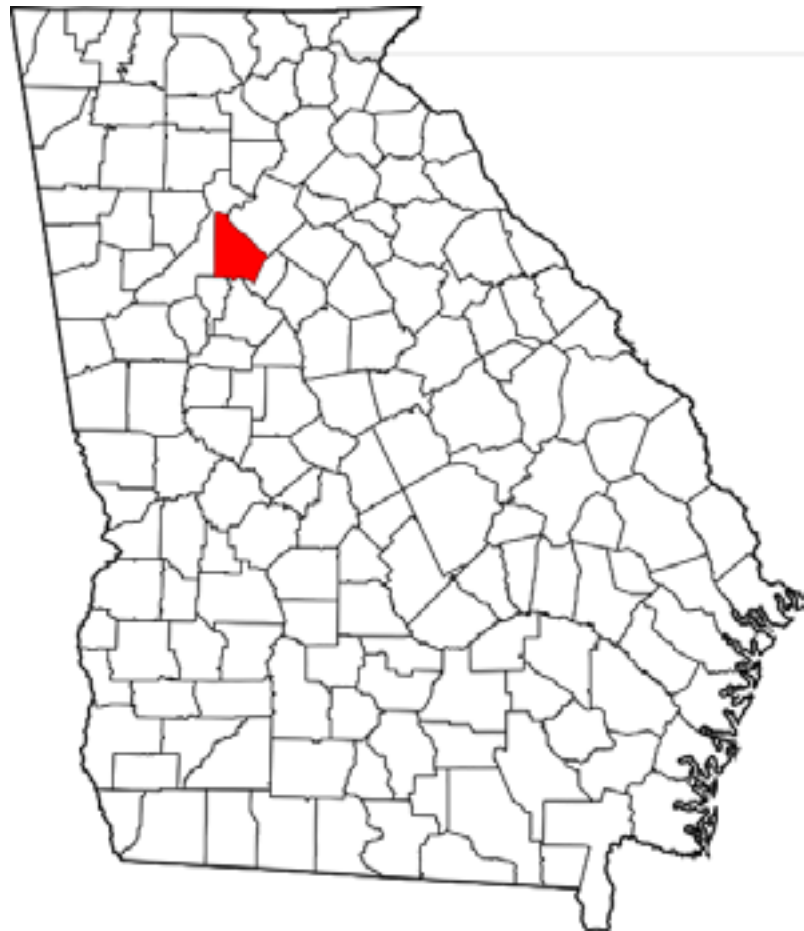
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DeKalb at a glance

- Founded in 1822
- 3rd most populated county.
- 10 Cities
- CEO form of government
- Over 7,000 county employees
- 550 million dollar tax fund budget



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Who are we?

- Home of the state's second busiest airport.
- Home to the world's largest piece of exposed granite.
- Home of the largest Dinosaur replicas



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Who are we?

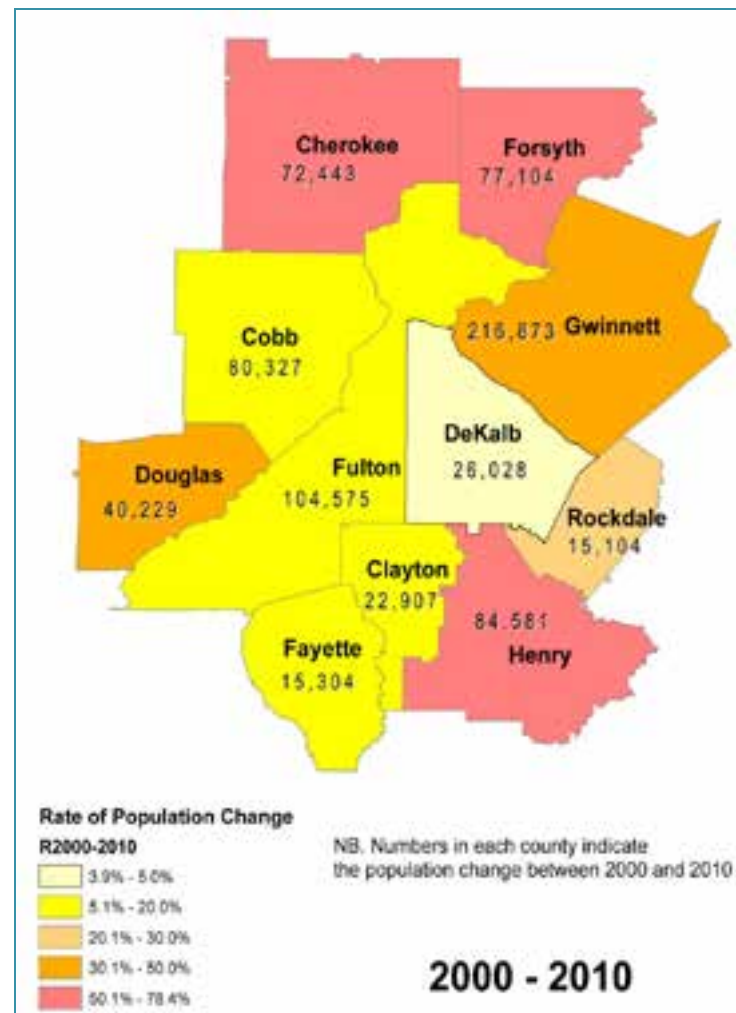
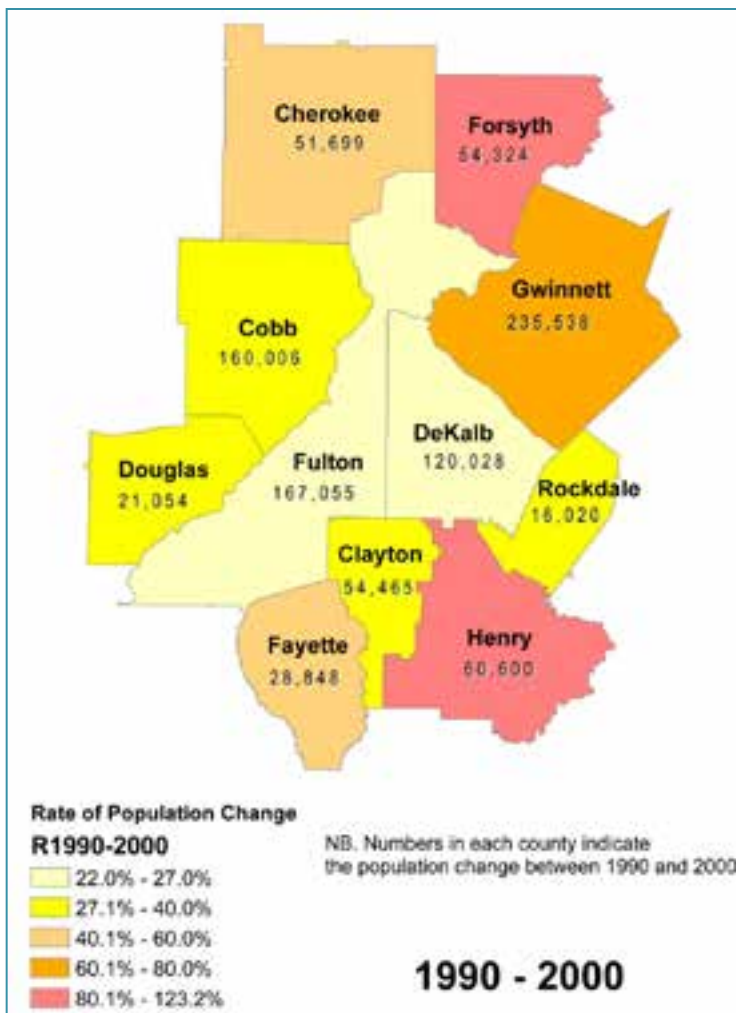
- Home to some of the most prominent research facilities.
- Most culturally diverse.
- 2nd most affluent county in America with an African American majority.
- 3rd highest in foreclosure rate.





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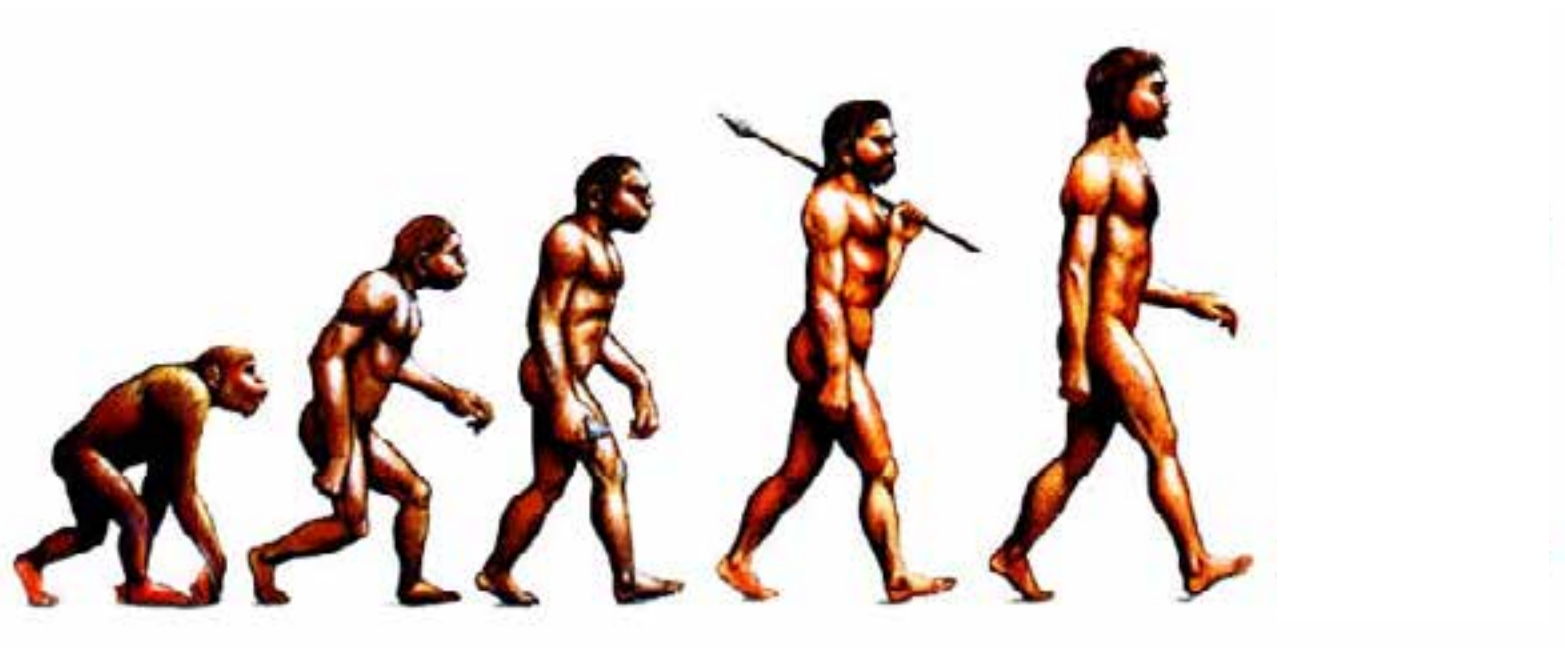
Population Rate of Change





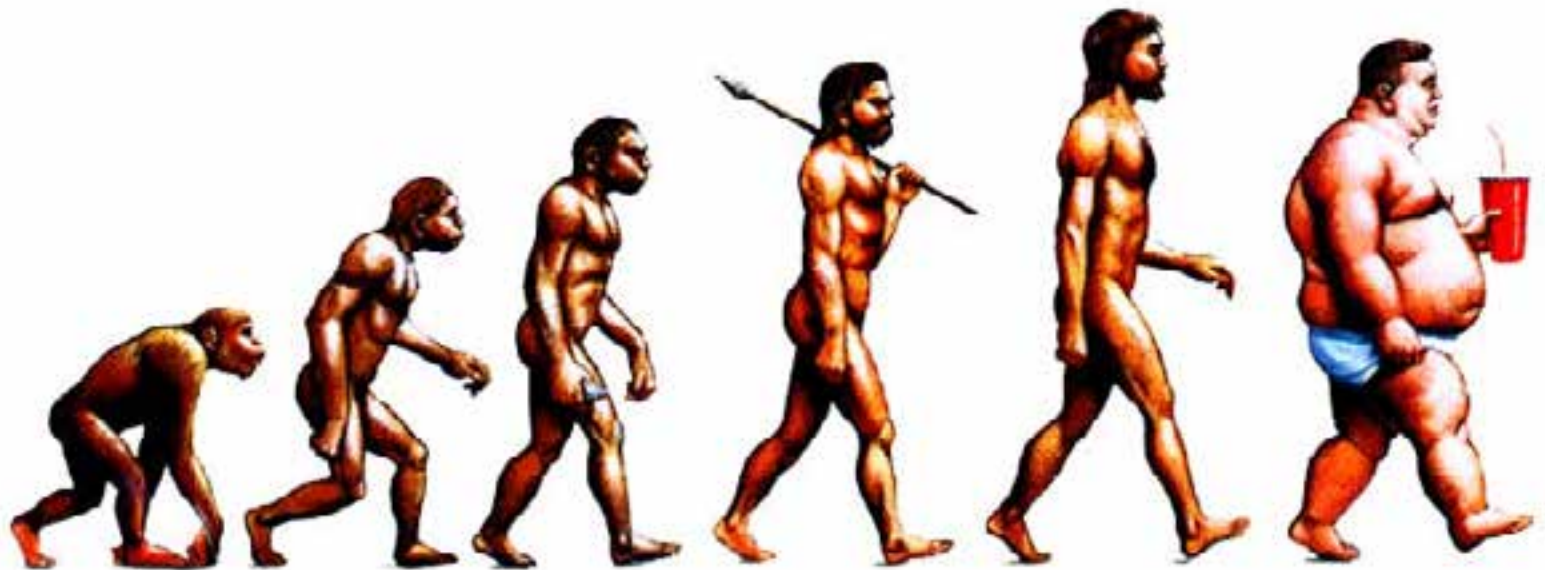
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DeKalb County is Evolving



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Evolution without a plan....



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Transition

We undertook the endeavor to replace our legacy GIS with a more integrated system, which brought a group of new users with little or no experience of GIS. Challenges were:

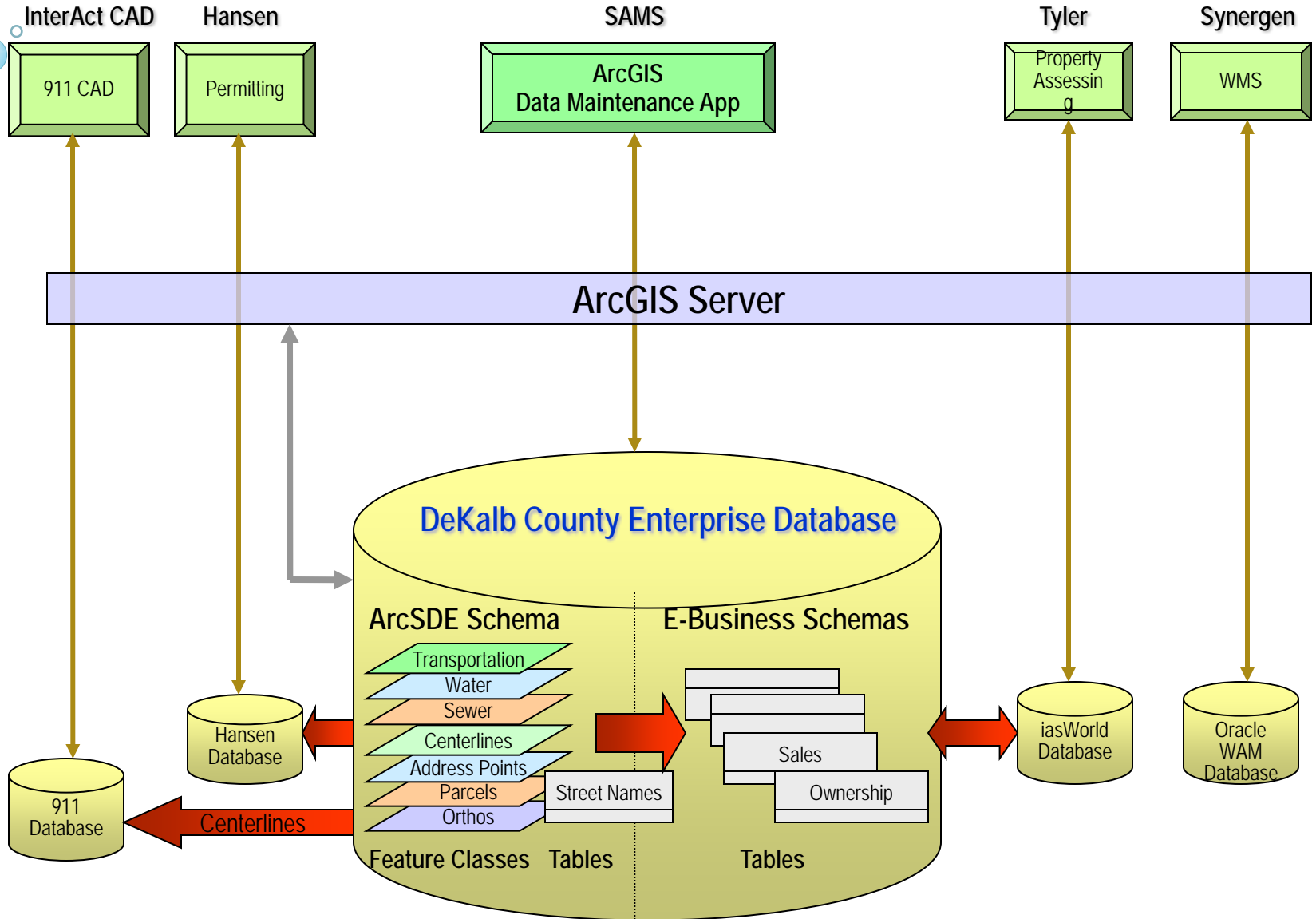
- To train staff and new users
- To stabilize the system
- To integrate by adding new custom functions to help the business processes.



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Enterprise Integration Architecture

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Parcels???



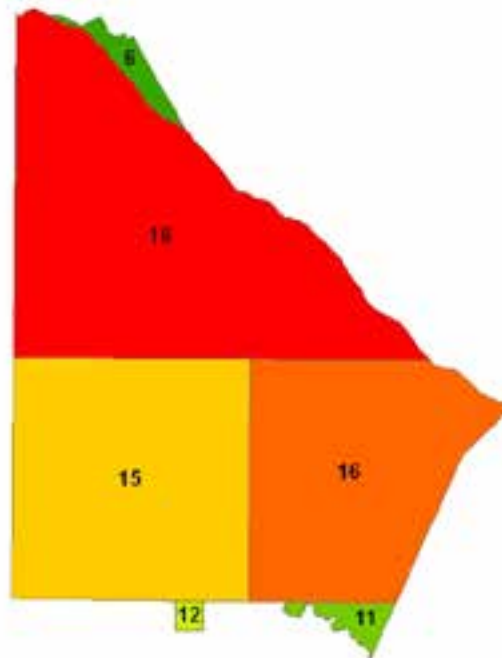
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Parcel Project

- Convert 235,720 Parcels
- 6 Land Districts & 903 Landlots
- 1475 MicroStation DGN files
- 10,200 Street totaling 2000 miles
- 303,500 situs addresses
- Pilot Project



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Conversion Project Includes:

- Inventory and placement of all situs addresses.
- Street and road centerline adjustment to geospatially fit planimetrics and orthos.
- Implement data maintenance, map plotting, and report generation routines for countywide Enterprise GIS development.
- Integration to Core Business Systems
Tyler-iasWorld, Oracle WAM, Hansen, etc.



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Background and Methodology

- **Joint Venture:** Atlas/B&E Jackson
- **Time/Cost:** 18 month, 1.5 million
- **Method:** COGO, Best fit
- **Source:** Plats, Deeds, Tax Maps, Aerial Photos, Base Maps, CAMA Data, SAMS Database, R/W, DOT plans, GPS control.
- **QA/QC:** In-House

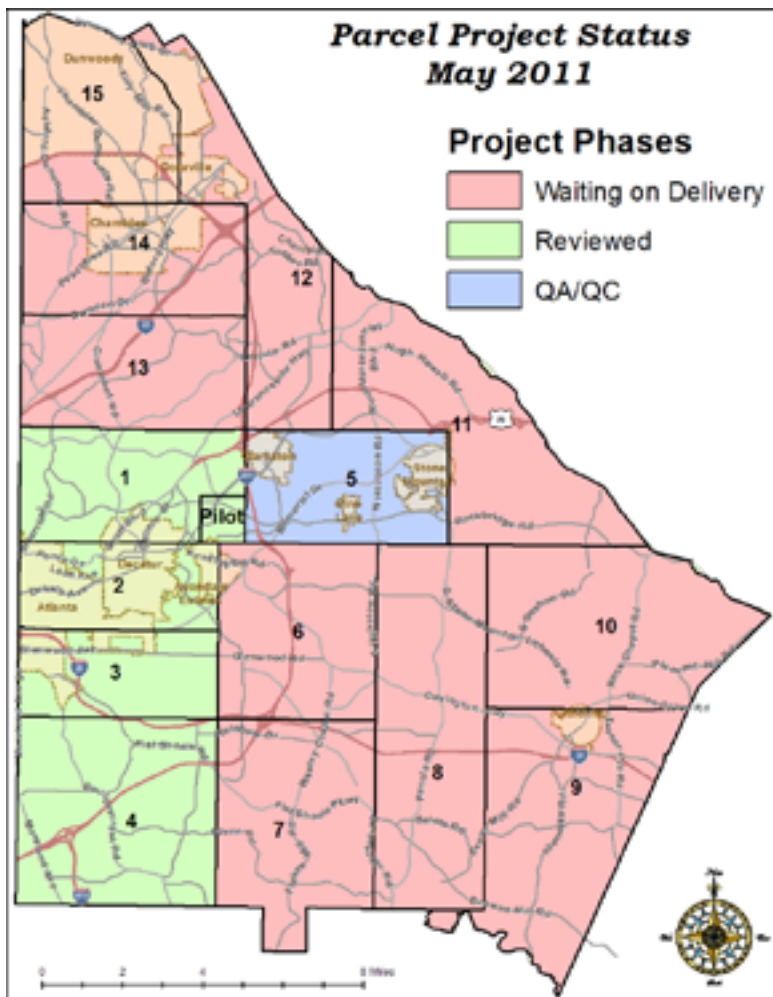


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Status Map



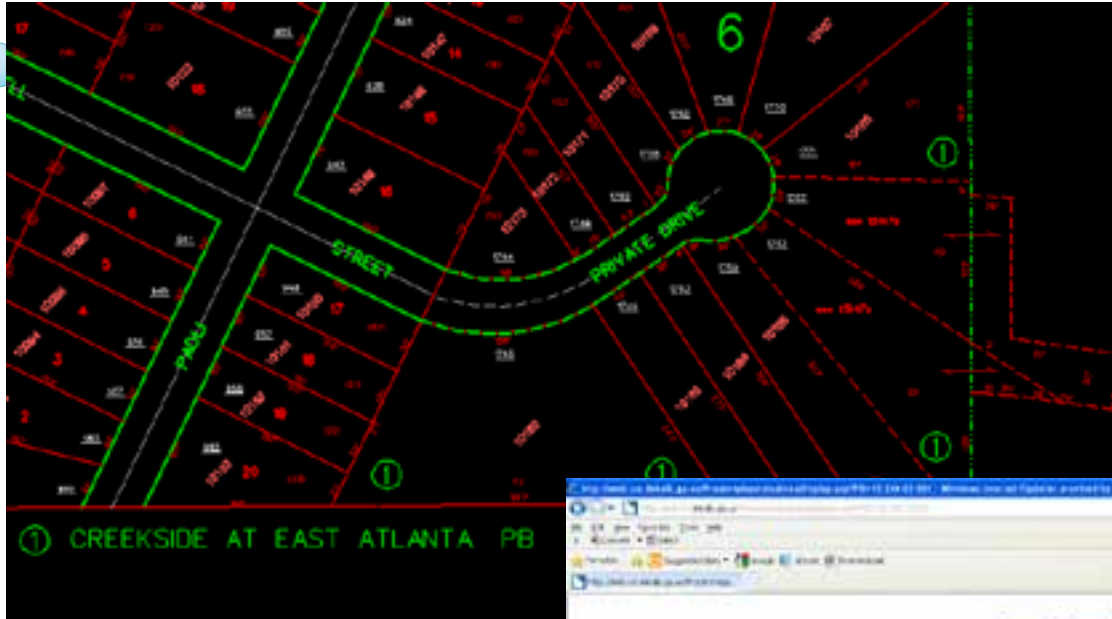
- Received phases from vendor
- GIS Staff reviews phase and submits corrections
- Total phases 15



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Parcels maintained via MicroStation

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A screenshot of the Property Appraisal Department website. The page displays the following information:

Property Appraisal Department
Parcel ID: 15 204 02 900

Original Subdivision	
Use District	00 - Single
Parcel	000000000000
Lot Number	000000000000
Owner Address	000000000000, 00
Property Address	000000000000, 00

Legal Status	
Legal Status	0000

Current Assessment & Assessment Value					
Use Class	Land Value	Imp Value	Assess	Final Assessment	Assessment/acre
0000	\$0	\$0	\$0	\$0	\$0/acre

Additional information and links are visible at the bottom of the page, including 'Assess Personal Property', 'Assess Other Property', 'Assess Property Value', and 'Property Tax Info'.



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Current GIS Projects

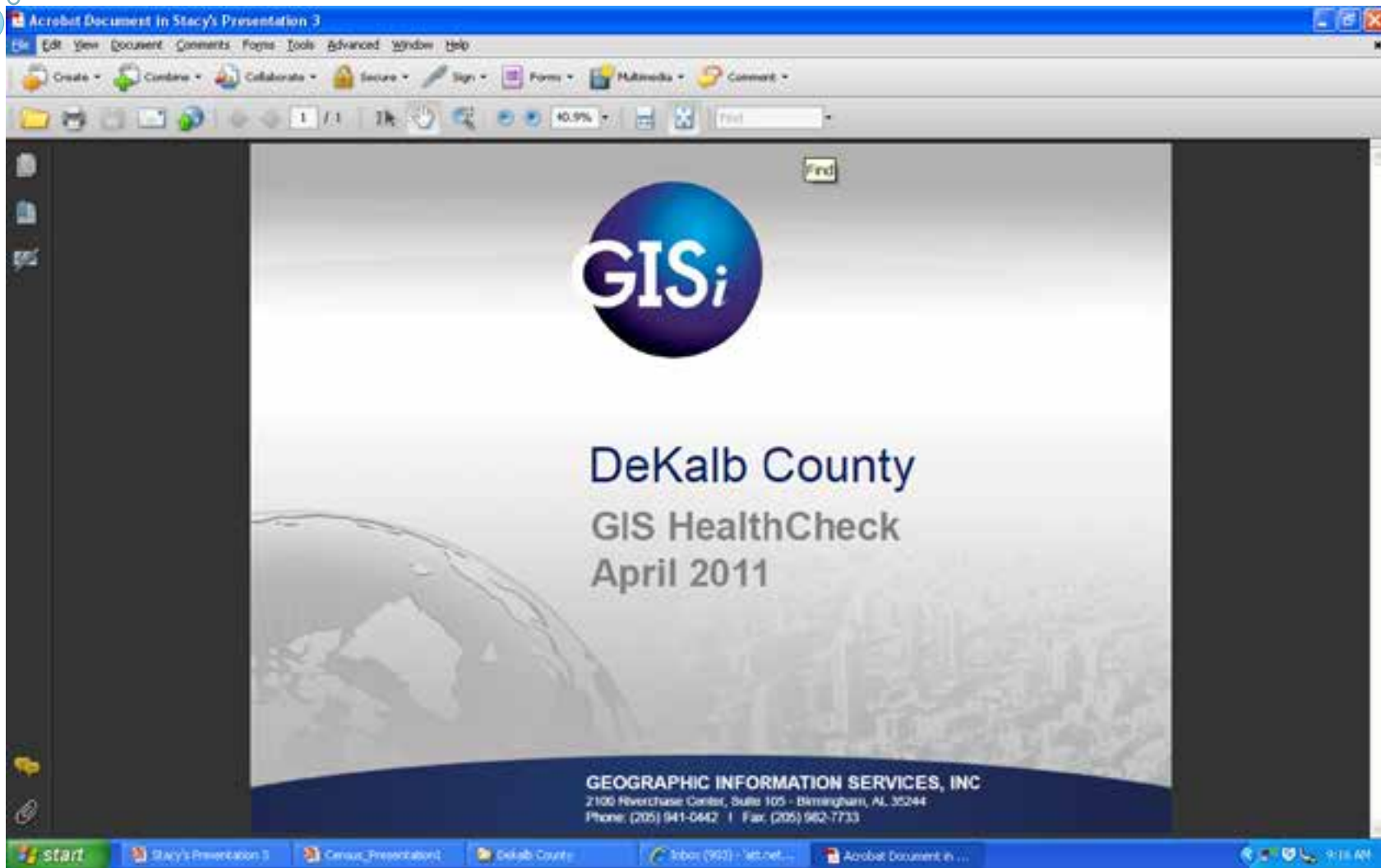
- Parcel Conversion Project
- Complete Change of CAMA system
- Oracle WAM Upgrade
- Location and Inventory of Waste Water Collection System
- Hansen Upgrade



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Solution?

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System Dashboards

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Watershed Management

- Access to all County GIS data
- Need for GIS training
- Maintain Web Presence
 - + System Dashboard
 - + Integrate Data from WAM
- Field Collection

SAMS
GIS ▲ WAM

Slide 30 | DeKalb County HealthCheck (April 12, 2011)

GISi GEOGRAPHIC INFORMATION SERVICES, INC.
Voter Registration

- Direct Access to GIS Data
 - Street Centerlines
 - Rail Roads
 - Streams
 - City Boundary
- Automate Manual Tasks
 - Data Entry
 - Map Book Generation
 - Street Information
- Redistricting Tools
 - Desktop
 - Web

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Apps for Departments

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GISi GEOGRAPHIC INFORMATION SERVICES, INC.
Community Development

- Direct Access to GIS Data
 - + Parcel ID
 - + Wetlands
 - + Flood Plane
 - + Demographic
 - + Housing
- Visualization
- Work offline
- Analyze information
 - Demographic profiling
 - Foreclosure Mapping



Slide 34 | DeKalb County HealthCheck | April 12, 2011

GISi GEOGRAPHIC INFORMATION SERVICES, INC.
Transportation

- Desire to upgrade to ESRI
- Access to data anywhere
- Map capitol improvement projects or events



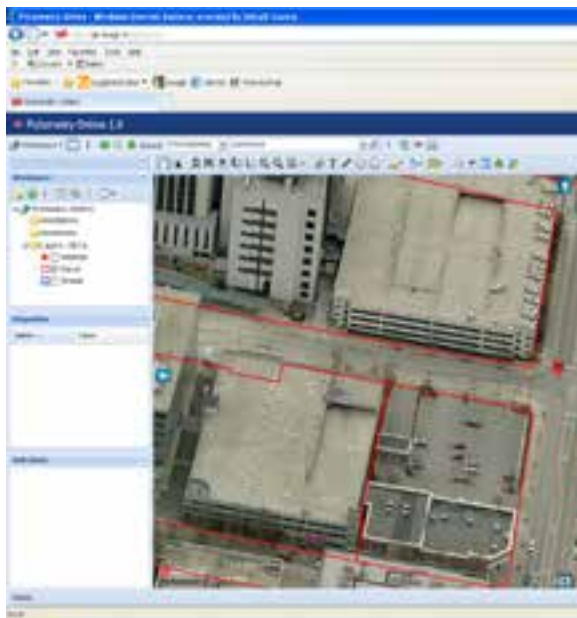
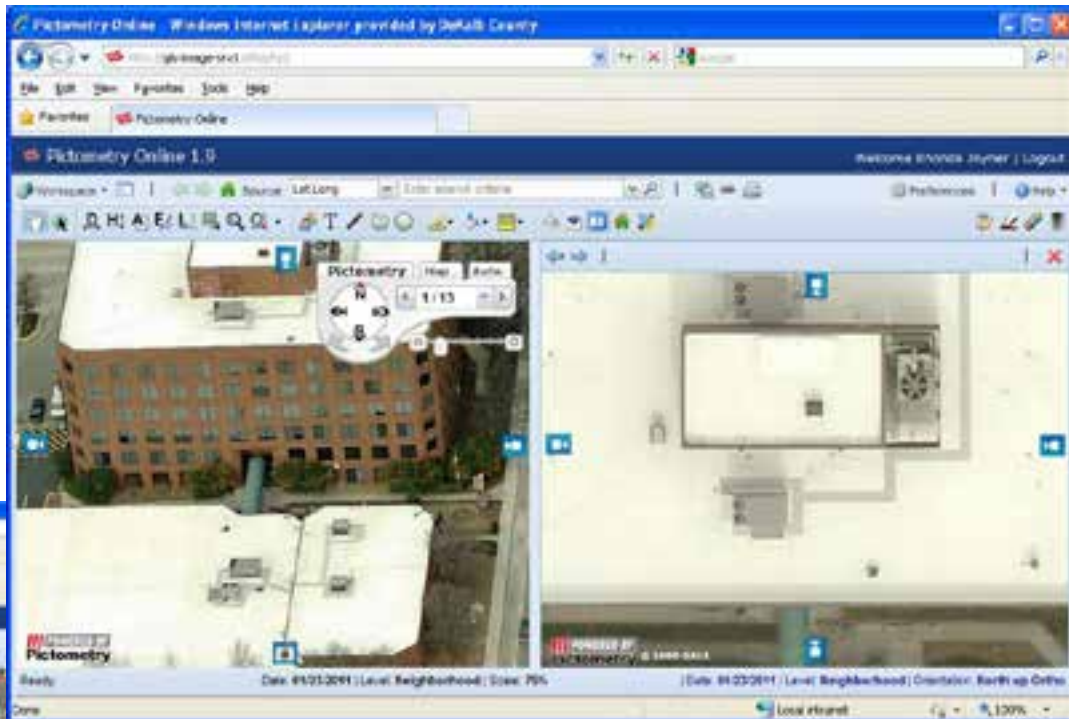
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Pictometry Online

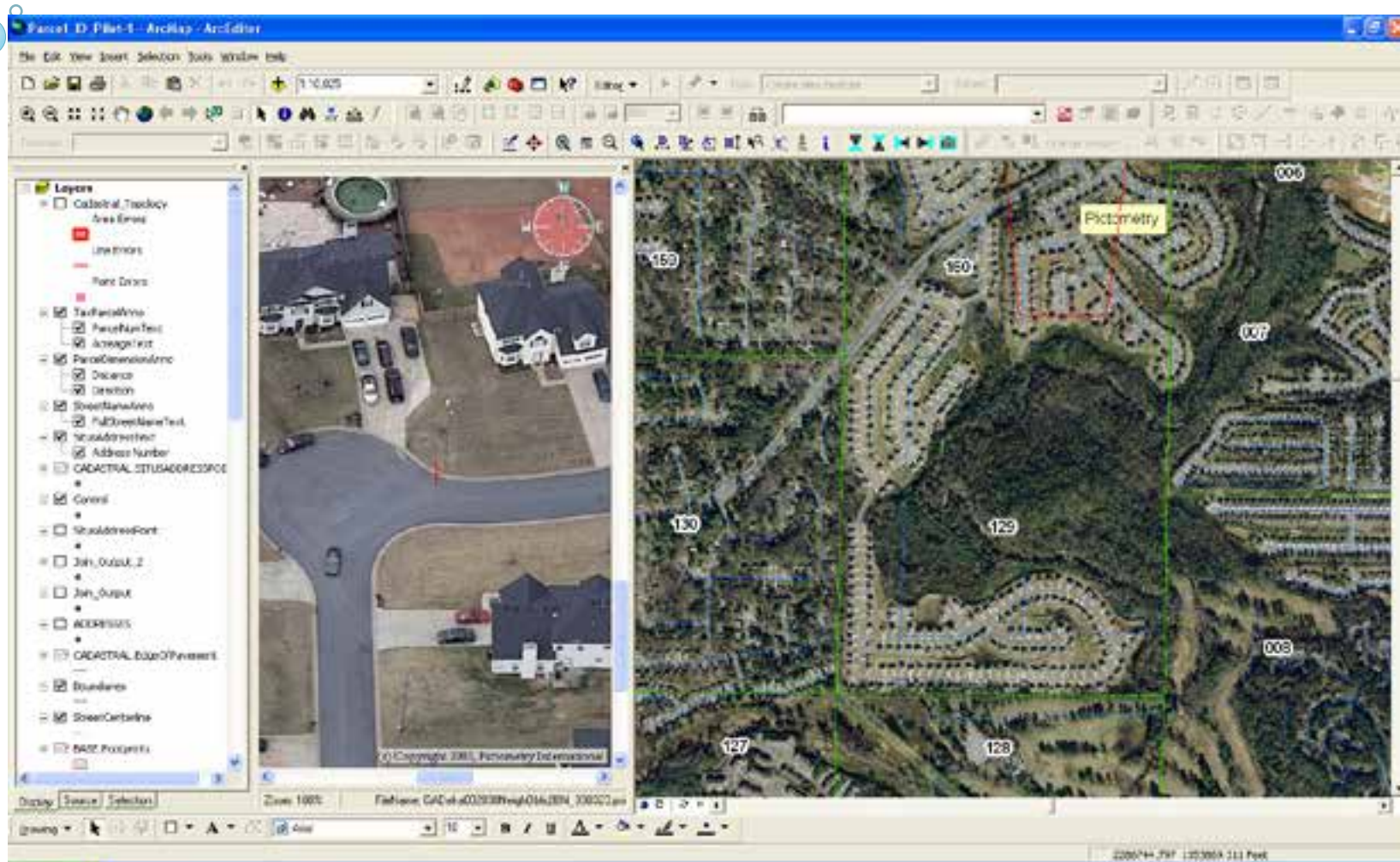


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Pictometry within ArcGIS

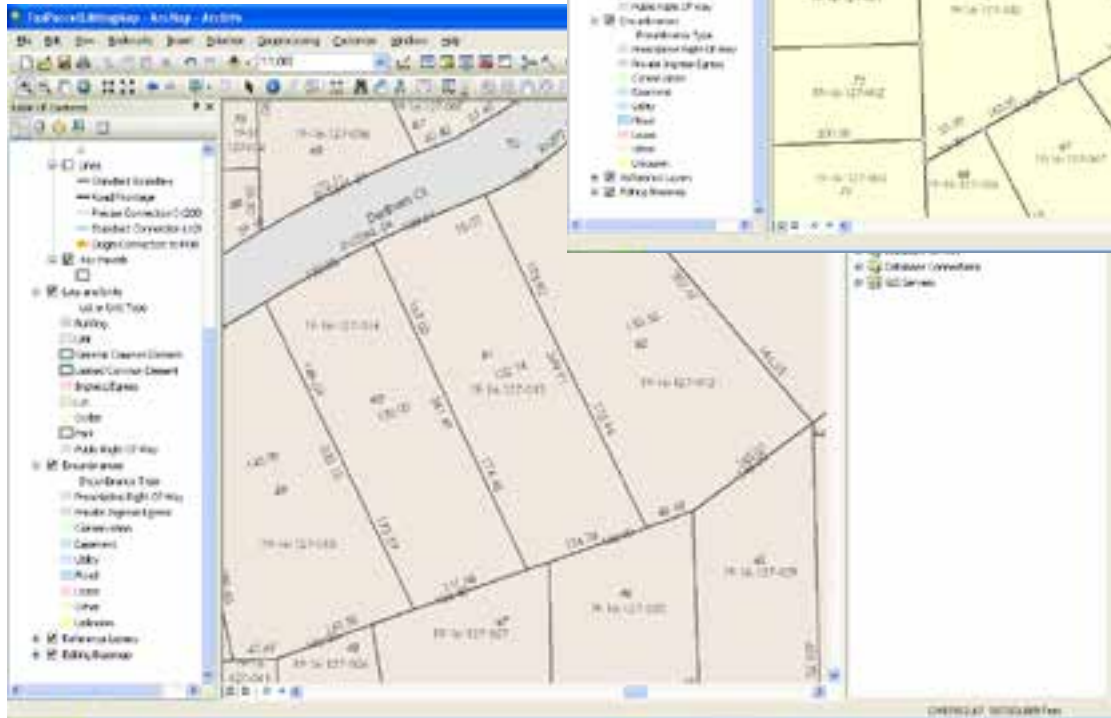
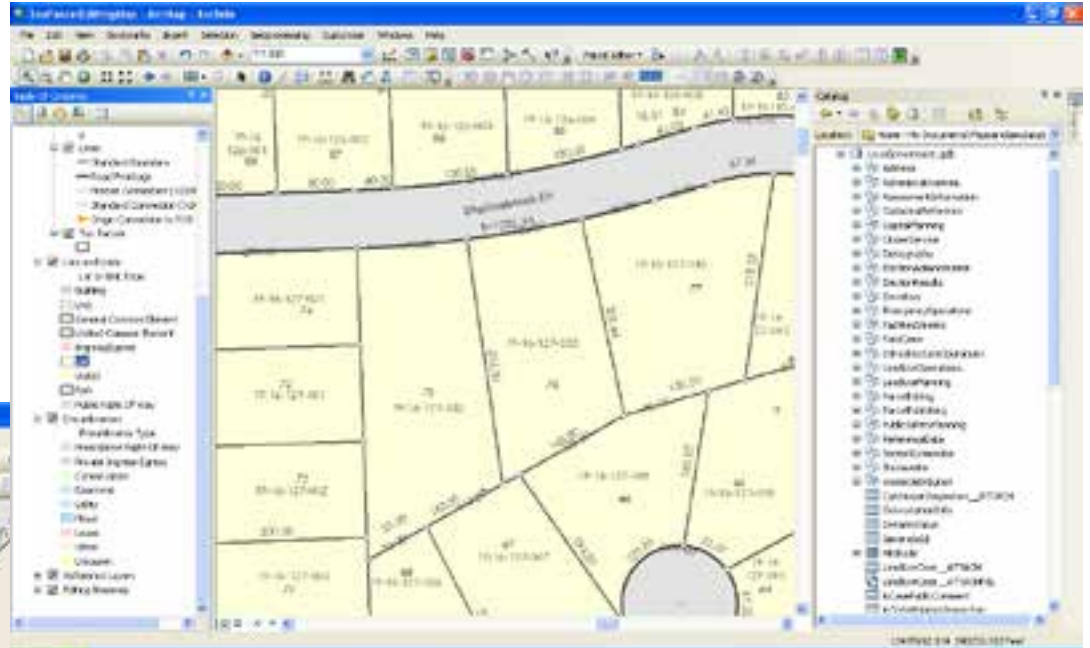


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Parcel Fabric

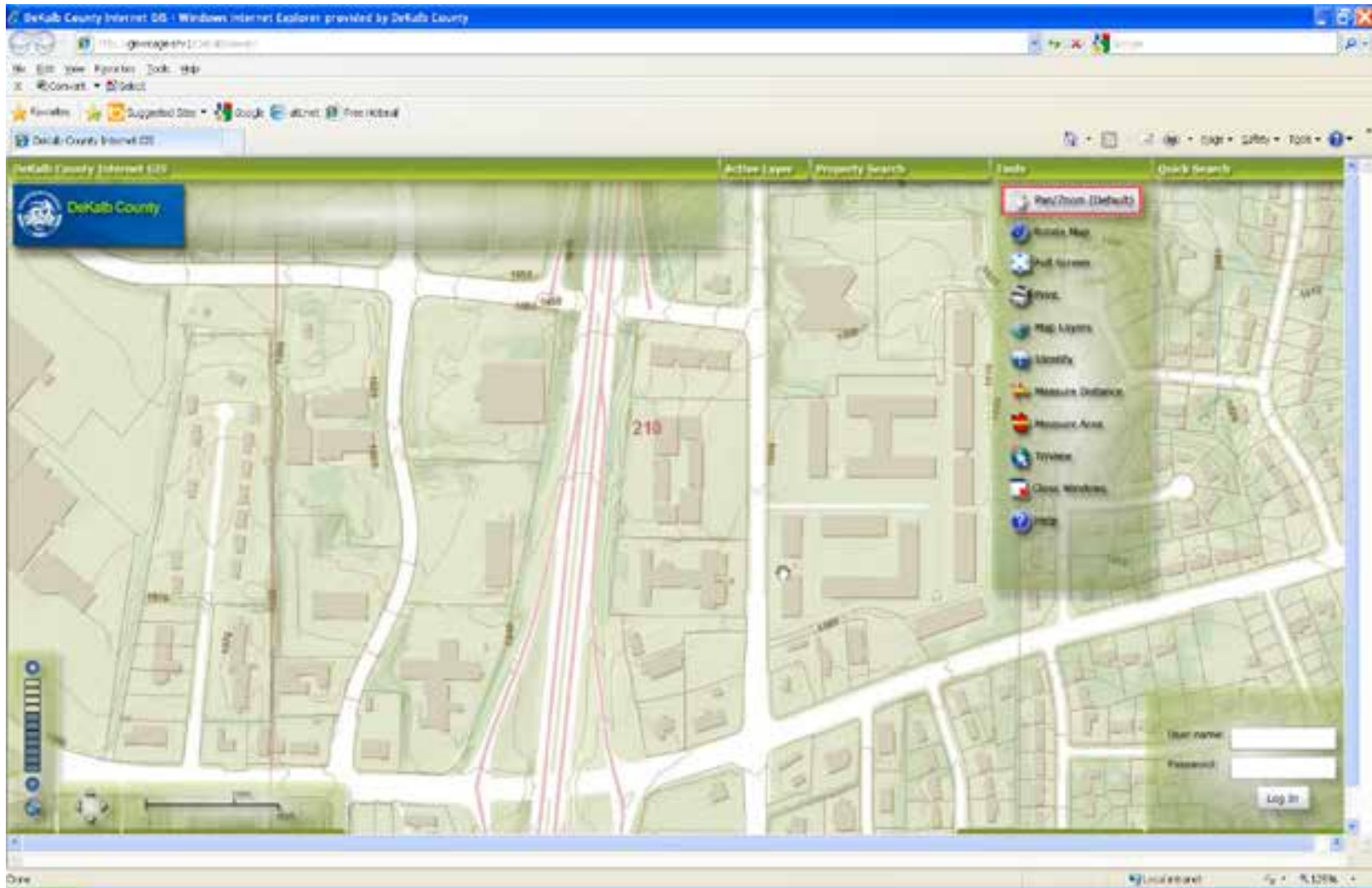


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DeKalb Viewer



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Questions?



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Stacy Grear, GIS Director
DeKalb County GIS Department
1300 Commerce Drive, Suite 600
Decatur, Georgia 30030

sgrear@dekalbcountyga.gov



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