Comptroller GIS and Property Data

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Assessment Systems Manager
Division of Property Assessments
February 22, 2007
Comptroller Divisions Using and Supporting GIS

- **Office of Local Government**
  - Implement and manage Comptroller’s enterprise geodatabase
  - Encourage county participation in TNBMP
  - Perform spatial parcel updates (53 counties)
    - Non-participating counties
    - Participating counties electing not to perform local maintenance
  - Support local maintenance of spatial data (42 counties)
Comptroller Divisions Using and Supporting GIS

• **Office of Local Government (cont’d.)**
  - Encourage and facilitate county migration to geodatabase
  - Provide training on parcel maintenance in geodatabase
  - Develop customized GIS functionality
  - Support users of GIS within Comptroller’s office
  - Assist with redistricting of legislative boundaries
Comptroller Divisions Using and Supporting GIS

- **Division of Property Assessments**
  - Monitor and assist counties in the appraisal and assessment of property for tax purposes
  - Provide system resources for assessment (CAAS)
  - Measure the level and uniformity of appraisals
  - Provide training to county assessment personnel
  - Administer the Property Tax Relief Program

- GIS Functions
  - Use GIS analysis to enhance the assessment process
  - Provide basic GIS analysis capabilities to Assessors
  - Provide on-site support of GIS activities in DPA regional and county Assessors’ offices
Comptroller Divisions Using and Supporting GIS

- **Office of Management Services - Information Technology Section**
  - Provide and support
    - Network
    - Servers
    - Oracle database

- **Other Comptroller Divisions Using GIS**
  - Office of State Assessed Properties
  - State Board of Equalization
MapViewer Application

- For use in property assessment function by state and county personnel
- Developed in-house using Visual Basic and ESRI MapObjects
- Uses ESRI shapefiles primarily
- Can run standalone or networked
- Can run as an independent application or in conjunction with CAAS Local Assessor System
- Provides user-friendly interface customized for use in property assessment
MapObjects Pros & Cons

- **Pros**
  - Functionality
  - Stability
  - Connects to shapefiles, coverages and SDE geodatabases
  - Low-cost deployment licenses ($80 per license on state contract in groups of 25)

- **Cons**
  - Not the latest technology
  - Does not connect to personal geodatabases
  - Development time and effort required
MapObjects Pros & Cons

• **Bottom Line**
  - Has provided a means to use the TNBMP data for analysis purposes
  - Low deployment cost has allowed GIS analysis capabilities to be deployed to many more users
  - 107 Comptroller users in 4 divisions
  - 236 county users in 28 Assessors’ offices (county option)
  - New technology will be evaluated over time
MapViewer Basic Functions

- View TNBMP data layers or layers from other sources
- Find parcel by owner name, property address or parcel ID
- Select by point, line, polygon, rectangle
- Display attribute data upon parcel selection
- Identify
MapViewer Basic Functions

• Zoom and pan
• Measure line and measure area
• View thematic maps
• Label features
• Print map
• Export map to image
MapViewer Advanced Functions

- Select parcels by any attributes in CAAS
- View Assessor’s property record card by clicking on map
- View appraisal and other statistics
- Produce a variety of tabular reports from parcels selected spatially or by attributes
- Parcel overlay
- Parcel buffer
MapViewer Screen Shots
By Market Area
With Full County Orthophoto (MrSID)
Parcels with Orthophoto
Property Classification Theme and Ortho
Contour with Elevations (Value Added Layer)
Label Example (Appraised Value)
Sale Year Theme with Sale Price Labels
Sale Year Theme with Price per Bldg Sq Ft Labels
Soils Overlay and Breakdown
Spatial Selection (Line selection tool)
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<th>PARCEL</th>
<th>OWNER NAME</th>
<th>PROPERTY ADDRESS</th>
<th>MARKET DATA</th>
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TeleAtlas Intelligent Street Centerlines
General Statistics – Elevation Example

**General Statistics**

Select a Layer:
- Contour

Click a Field for Stats:
- CODE
- ELEV

**MEIGS COUNTY ASSESSOR**

**CONTOUR Layer**

Statistics for ELEV

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- Selected parcels
- All parcels

Exclude zero values

Print
Close
Conclusion

GIS has become an important part of everyday work in assessment offices

- Discovering property
- Appraisal for property tax purposes
- Equalization
- Assisting the public
Questions ???