TN Comptroller of the Treasury

11/14/19



What is the Land Use model?

- The Comptroller's Land Use model is a public release of parcel data and maps as it relates to the current functional uses of land for the 84 counties our office maintains. (2 million parcels)
- We use a classification system that describes how the property is currently being utilized.

Land Use past

- Land use data was previously generated by the Local Planning Assistance Office in the Tennessee Department of Economic and Community Development.
- In 2010 that office was disbanded and so was the land use data.

Land Use past

- 11 made sense on why we took on the challenge.
- The Parcels, CAMA system, and the City boundaries are maintained by our office.
- Should be an easy transition?



Land Use past

- This was not an easy task.
- We had switch CAMA vendors.



- The model used in 2010 was outdated.
- We had little background in planning.



Land Use present

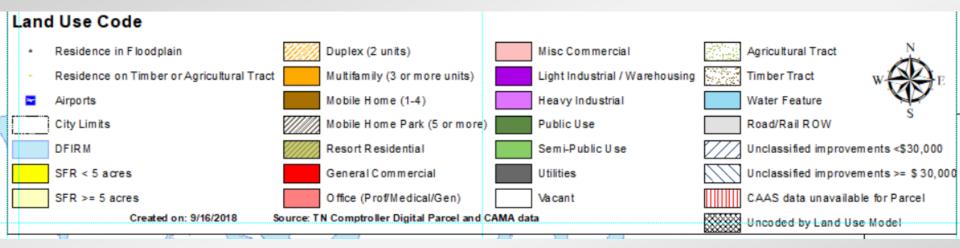
- First step was engage planners and get feedback on classifications.
- Overwhelmingly, planners asked us to keep the old classifications and symbology.
- Asked for enhancements



Land Use Classifications

- Our goal was to mimic the old land use in classifications and symbology.
- These classifications contain detailed categories such as single and multi-family dwellings, offices, general commercial uses, industrial sites, and agricultural and timber lands.

Classifications





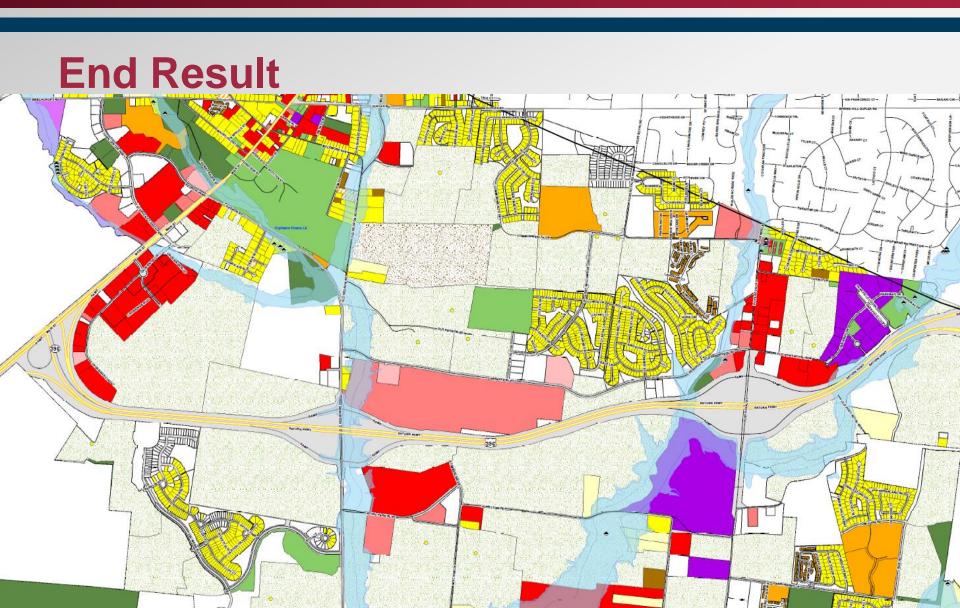
How is it created?

- We had to create a parcel layer for the data we have. (2 millions parcels)
- Extract the records from our CAMA data. (2 million + records) Fields:
 - Parcel Type, Improvement Type, Number of Mobile Homes, Land Value, Improvement Value, Appraisal, Land Description, and Number of Dwelling Units.
- Updated daily by Property Assessors, their staff, and our staff.

How is it created?

- Then using model builder we began to piece together the puzzle.
- Went one-by-one through each classification and built the parameters.
 - > Less than 5 Acres, Single family resident improvement type.



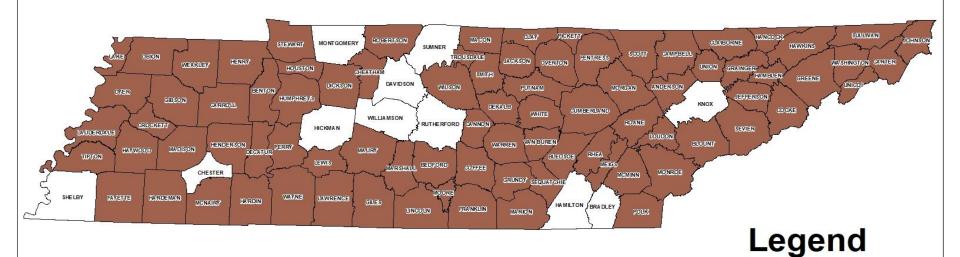


Issues

One limiting factor in the development of Statewide land-use data is the availability of property assessment data and parcel polygon data.







Counties

IMPACT

NON IMPACT

Issues

- In counties where our CAMA system is not used, the property assessor maintains assessment data in a unique system.
- For simplicity, this land-use model has been created to work with the CAMA data our office maintains.



Issues

- Another limitation of the CAMA and BMP datasets involves their accuracy. Property changes ownership every day, and parcels are constantly subdivided and reconfigured; The data we provide is a snapshot. It is not updated daily or weekly.
- Discrepancies between the Parcel data and the CAMA data. The CAMA data may contain data for parcels not reflected in the parcel data, and vice a versa.

Issues

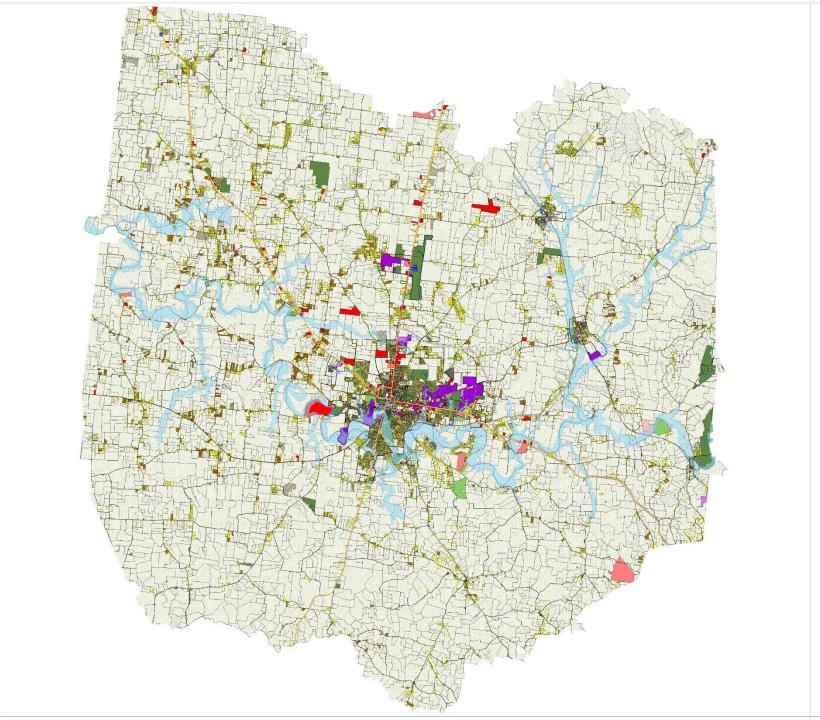
- Discrepancies in assessment data. Improvement types and property types may be entered in wrong.
- How assessment data is collected. One county may put mobile homes under buildings instead of the mobile home field. This can throw off the mobile home classifications.
- Improvement types may not cover all aspects of assessment needs. A performance theater may be coded as a warehouse.

Accessing the data

Comptroller website https://www.comptroller.tn.gov/lg/LandUseMain.asp

- At the bottom of the page there will be:
 - View and Download Maps and Data
 - View City Land Use Maps
 - > Land Use Description Codes
 - > Land Use Field Attributes







Unclassified improvements >= \$ 30,000

CAAS data unavailable for Parcel

Uncoded by Land Use Model



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EXISTING LAND USE Jackson, TENNESSEE Land Use Code

 Residence in Floodplain Residence on Timber or Agricultural Tract

Airports

City

DFIRM SFR < 5 acres

SFR >= 5 acres Duplex (2 units)

Multifamily (3 or more units) Mobile Home (1-4) Mobile Home Park (5 or more)

Resort Residential General Commercial Office (Prof/Medical/Gen)

Misc Commercial Light Industrial / Warehousing Heavy Industrial

Public Use Semi-Public Use Utilities

Vacant Agricultural Tract Timber Tract

Water Feature Road/Rail ROW

Unclassified improvements <\$30,000 Unclassified improvements >= \$ 30,000 CAAS data unavailable for Parcel Uncoded by Land Use Model



Population Statistics

65,211 66,742 67,131 67,561 67,220 66,914 67,005 2.8% 111 8 2012 Population
2013 Population
2014 Population
2015 Population
2016 Population
% Change since 2010
Population Growth Rank
TN Largest City Rank







Median Household Income # of Housing Units Median Year Built Median House Value Rent as % of Income Median Gross Rent

\$39,747.00 29,736 1979 \$128,700.00 34.8% \$798.00



Education Attainment Data



Digital data available to download

- > Parcel
- > Acreage
- > Land use classification
- > Improvement and land values
- > Number of buildings and mobile homes
- > Year built
- > Address

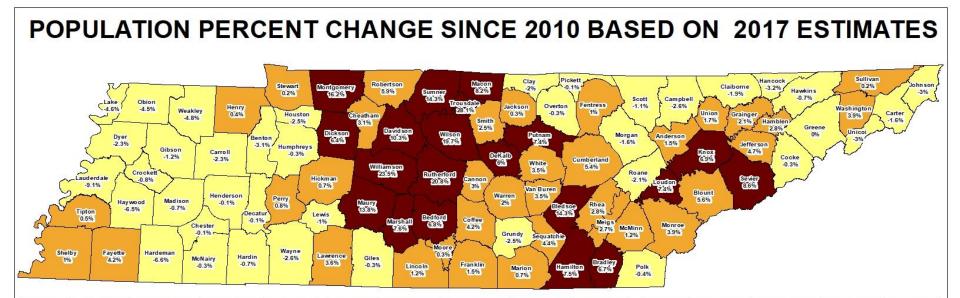


Enhancements

- Additionally, we added other fields planners had asked for.
 - > If the parcel is in the floodplain
 - > % of parcel in the floodplain
 - > % of parcel covered in trees
 - > Interstate access within 10 minutes
 - > Borders a railroad
 - Major road frontage
 - > Employment hub
 - > Projected population growth (thru 2023)
 - ➤ Traffic Counts 2016-2018

Why is it important?

- Tennessee's population is growing; the statewide population has increased 5.5% since 2010.
- With some counties population increasing more than 15% since 2010.



Why is it important?

- Population projections forecast that Tennessee's population will grow another 16% from 2018-2040
- A 2016 report said: 120,000 acres of open land had been developed in Middle Tennessee since 1999. Of that, 55,000 acres were formerly farm and forest land.

Source: http://tndata.utk.edu/sdcpopulationprojections.htm

Source: https://www.cumberlandregiontomorrow.org/about/resources/5818crt open space report final update5-7-3.pdf

Going forward

- It will be updated semi-annually.
- Living model In that we expect it to evolve as time goes by. Improvement types are being added.
- We plan on using feedback to further enhance the data.
 - > Slope?
 - > Highest and best use?
 - > What can we do to help you?

Questions?

Comptroller website/Landuse Data https://www.comptroller.tn.gov/lg/LandUseMain.as

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