

21st Annual GIS/CAMA Technologies Conference Chattanooga Convention Center

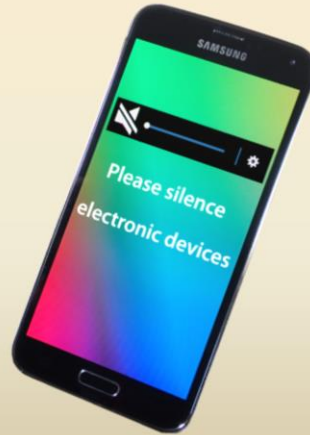


Continuing Education (CE) Credit

Recertification Credit forms for CE credit can be collected from the Registration Desk on Thursday.

Housekeeping

The conference proceedings will be available approximately 8 weeks after the conference.



21st Annual GIS/CAMA Technologies Conference • March 6-9, 2017 • Chattanooga, Tennessee



Leveraging the Same GIS and CAMA Data for Multiple Applications

Tennessee Comptroller of the Treasury



TJ Muzorewa
GIS Manager



Office of Local Government



Ken Morrell

Assessment Systems Manager
Division of Property Assessments



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



Tennessee Comptroller of the Treasury

- Constitutional officer elected by a joint vote of both Houses of the General Assembly for a two-year term
- Duties include the audit of state and local governmental entities and participation in the general financial and administrative management and oversight of state government



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



Tennessee Comptroller of the Treasury

- Responsibilities also include property tax administration, oversight and assistance at the state level through...
 - Division of Property Assessments (Appraisal, Assessment, CAMA)
 - Office of Local Government (GIS, Mapping, Redistricting)
 - Office of State Assessed Properties (Public Utilities)
 - State Board of Equalization (Policy, Exemptions, Appeals)
- Property tax in Tennessee is a local tax. The state receives no revenue from the property tax.



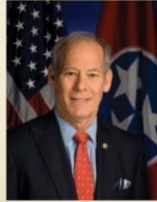
21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



Tennessee Comptroller of the Treasury

Mission

To make government work better.



Justin P. Wilson
Comptroller of the Treasury

<http://www.comptroller.tn.gov/>



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



Leveraging the Same GIS and CAMA Data for Multiple Applications

The Data The Maintenance The Applications



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

The Data



Ken Morrell

**Assessment Systems Manager
Division of Property Assessments
Comptroller of the Treasury
State of Tennessee**



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

A long time ago in a galaxy far, far away...

- GIS was being used by only a handful of counties and cities in Tennessee
 - ChattMap conferences
- There was no overall state GIS effort
 - GIS was being used in certain agencies such as Wildlife Resources and Transportation
- The Comptroller's Division of Property Assessments saw a need...

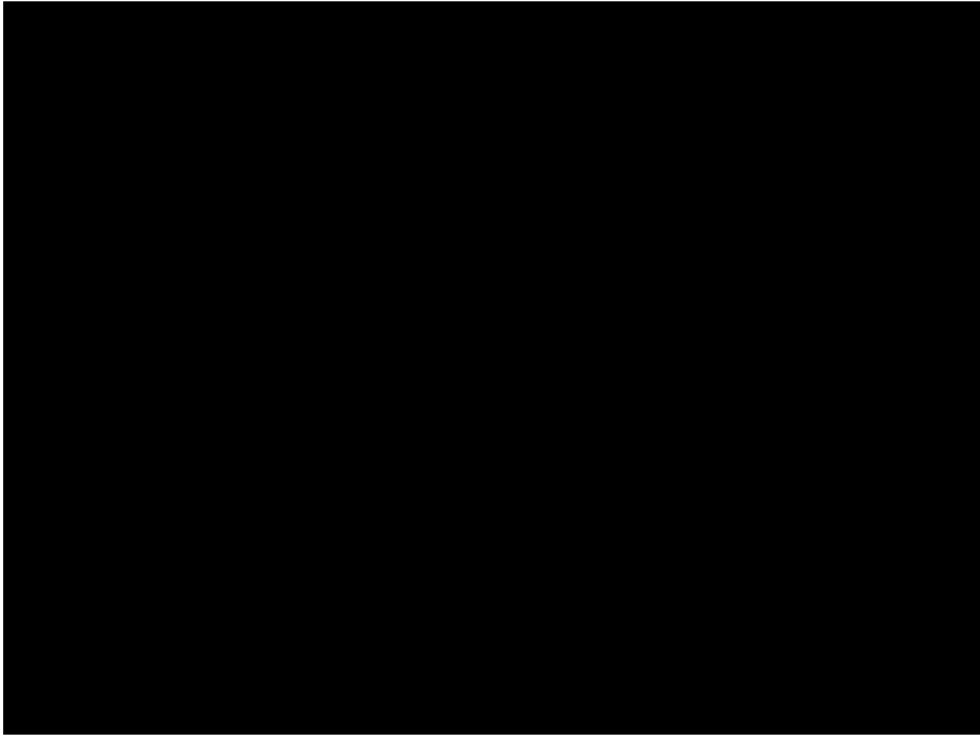




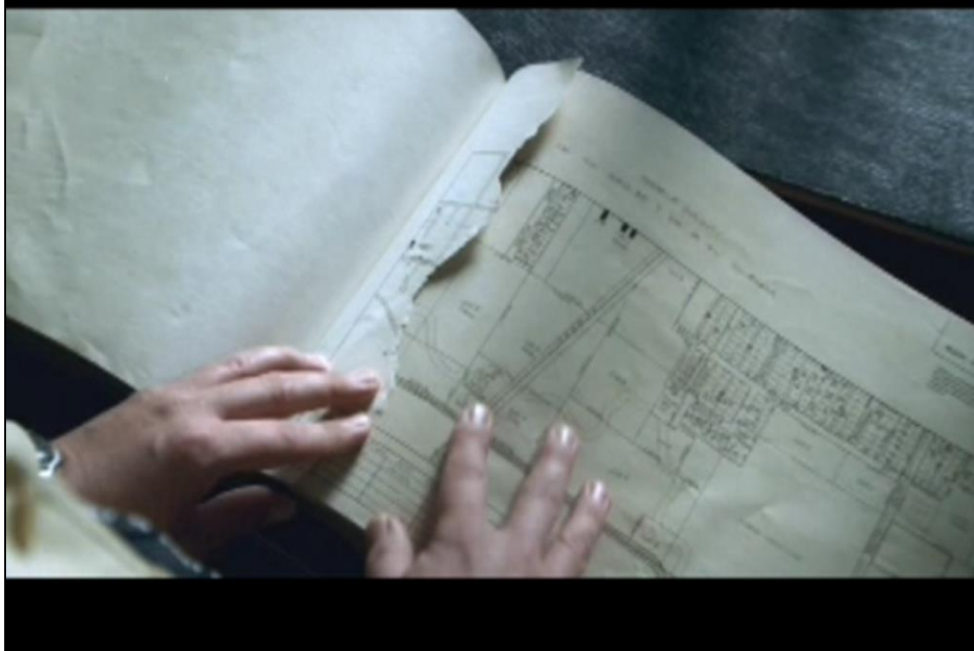
The need...



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



We wanted to keep this from happening...



...and this





The Data

It all starts with data...

Tennessee Base Mapping Program (TNBMP)

Vision Statement

Create a statewide GIS base map through partnership development that can be used in support of a wide range of local, state, and federal programs



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



The Data Building the Digital Map

- **Tennessee Base Mapping Program** was initiated by the Comptroller of the Treasury, Division of Property Assessments in 1996
 - Presentations to decision makers on benefits of statewide GIS
- Phase 1 (1997-98)
 - Pilot program to develop specs and test concept of a digital statewide mapping program
 - 5 counties
 - CAMA data integration included in pilot
- Phase 2 (1998-2000)
 - Creation of GIS Services division in Finance & Administration
 - Development of business plan with sustainable funding



21st Annual GIS/CAMA Technologies Conference • March 6-9, 2017 • Chattanooga, Tennessee

The Data Building the Digital Map

- Phase 3 (2000-07)
 - Statewide GIS data production
 - Managed by GIS Services
 - Paper parcel maps digitized by contractor
 - Partnership between GIS Services and Comptroller's Office
 - Deliverables: Digital orthophotography and features
 - Partnership development
 - Funded by state / local partnerships
 - Data available for use by multiple levels of government
- Phase 4 (2008 - present)
 - Data Maintenance through Comptroller's Office of Local Government
 - Ortho Imagery Update



The Data

Ortho Imagery Update

- Statewide digital orthophotography program conducted in cooperation with the Tennessee Department of Transportation (TDOT)
- Updates ortho imagery for a quarter of the state annually
- With 4 regions, TDOT collects 1 foot digital color ortho imagery for the entire state once every 4 years



The Data Ortho Imagery Update

- Key elements of GIS Services / TDOT Partnership
 - TDOT
 - Responsible for project management, base map data development, and data delivery
 - Capture orthophotos for ¼ of State annually
 - GIS Services
 - Responsible for data hosting and distribution
 - TNMap enterprise GIS as the data access mechanism to the general public and state agencies
 - Dissemination to local government



The Data Ortho Imagery Update

- Cost effective approach that meets needs of State and local users
- Ability to leverage federal funding to help reduce or eliminate duplication of effort
- Regional acquisition
 - County-by-county is more expensive/inefficient
 - Eliminate production of overlapping map sheets
- Ability to develop set schedule for updates





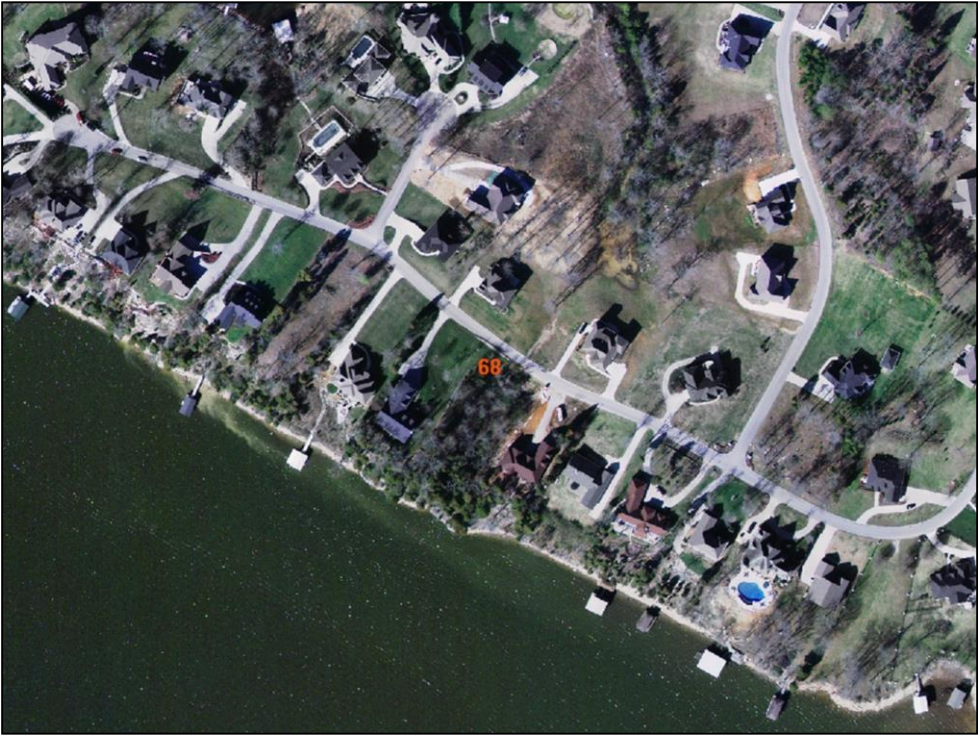
The Data Ortho Imagery Update

Original TNBMP Grayscale Orthophotos
vs.
Updated TNBMP Color Orthophotos



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee







The Data

For more information on **GIS Services**

<http://tn.gov/finance/section/sts-gis-section-main-page>



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

The Maintenance



TJ Muzorewa
GIS Manager
Office of Local Government
Comptroller of the Treasury
State of Tennessee



21st Annual GIS/CAMA Technologies Conference • March 6-9, 2017 • Chattanooga, Tennessee

Outline

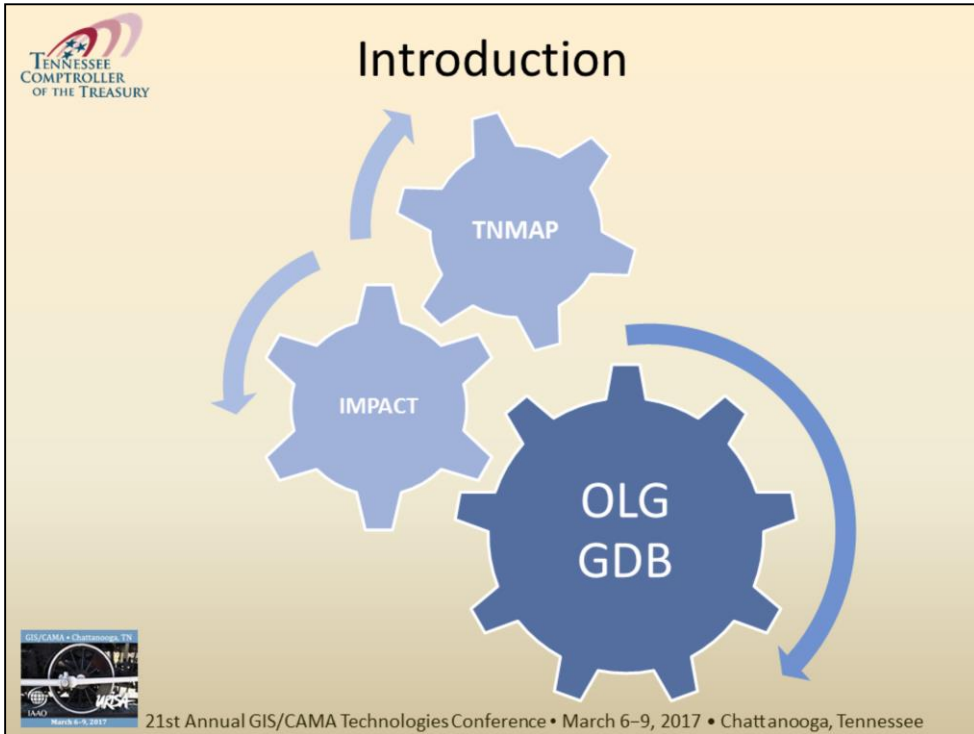
- Introduction
- OLG Enterprise Geodatabase
- System Diagram
- Core Maintenance Architecture Components
- Summary by the Numbers



Introduction



The Comptroller of the Treasury - Office of Local Government (OLG) manages the cadastral GIS programs for approximately 86 of the 95 county property assessors in the State of Tennessee.



OLG's statewide enterprise geodatabase is then made available to Government entities, as well as the general public, through applications like the TNMap, IMPACT, etc.

TNMAP – Tennessee Property Viewer

tnmap.tn.gov/assessment/

TN Tennessee Property Viewer

Photography Street Map Show FEMA DFIRM Flood Map Hide Property Lines Hide Property Labels

Zoom in Measure Search Results Property Detail

Hide Parcel Highlight(s) Clear

Country: Wilson
City: CITY OF MT JULIUS
Owner: WASHBURN BLVD
Address: WASHBURN BLVD
Parcel Number: 077 058.17
Deeded Acreage: 29.64
Calculated Acreage: 0
Subdivision: INTERNATIONAL
Subdivision Lot: 3
Date of Inaugury: 2013

Click [here](#) for the most up-to-date data.
Click [here](#) if there is a problem with this map.
Export PDF of this map.

The property maps represented on this county Assessor's office and are a best one another. The property lines are of deeds and by using surveys created by property ownership in any court of the contact your local Assessor's office and

TNMAP – Tennessee Property Viewer

The screenshot displays the Tennessee Property Viewer interface. At the top, the URL is tnmap.tn.gov/assessment/. The page title is "Tennessee Property Viewer". The main map area shows an aerial view of a residential and commercial area with red outlines indicating property boundaries. Various parcel numbers and acreages are visible on the map. The sidebar on the right contains the following information:

- Measure
- Search
- Search Results
- Property Detail
- Hide Parcel Highlights
- Clear Search
- County: Wilson
- Owner: CITY OF MT JULIET
- Owner 2:
- Address: WISCHBURN BLVD
- Parcel Number: 027.056.17
- Recorded Acreage: 29.44
- Calculated Acreage: 0
- Subdivisions: INTERNATIONAL CO
- Subdivision Lot: 3
- Date of Issuance: 2013

Below the sidebar, there is a disclaimer: "The property maps represented on this county Assessor's office and are a best of one another. The property lines are not shown and by using queries created by property ownership in any court of law, contact your local Assessor's office and..."

At the bottom of the page, there is a footer: "March 6-9, 2017 21st Annual GIS/CAMIA Technologies Conference March 6-9, 2017 Chattanooga, Tennessee esri".

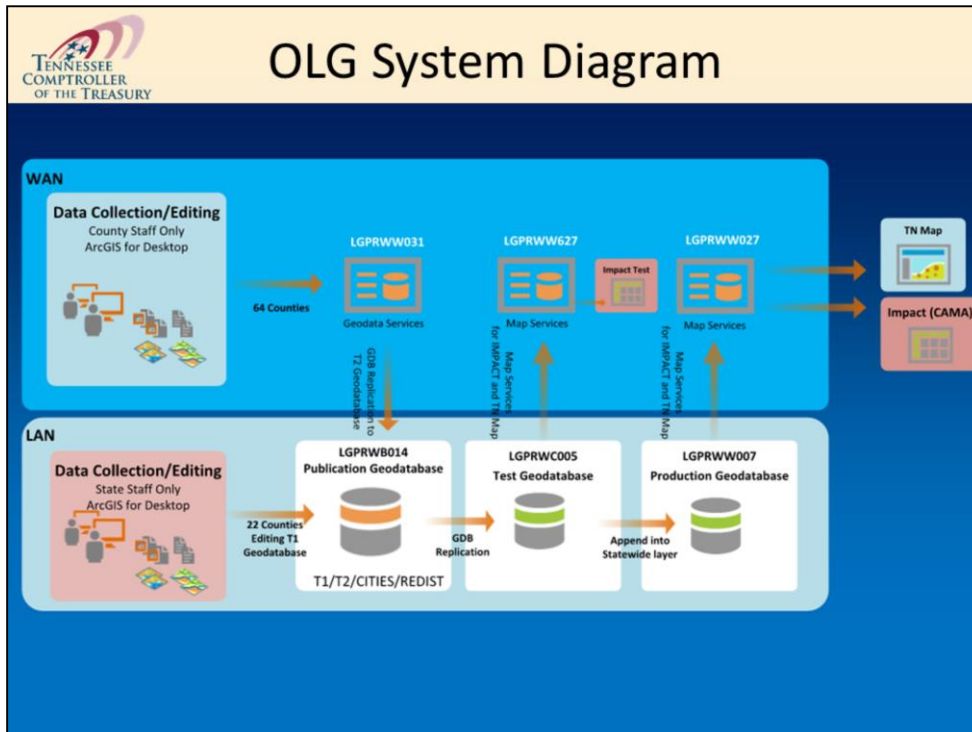


OLG Enterprise Geodatabase

- We have 4 database instances that reside in Publication Geodatabase.
- One of them houses the parcel data for the 22 counties that are maintained internally by the OLG's Mapping division (T1).
- The other geodatabase houses the parcel data for the 64 counties that maintain their data locally (T2).



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



- We have 4 database instances that reside in Publication Geodatabase.
- One of them houses the parcel data for the 22 counties that are maintained internally by the OLG's Mapping division (T1).
- The other geodatabase houses the parcel data for the 64 counties that maintain their data locally (T2).



OLG Geodatabase System

Core Maintenance Components

1. Data Loading
2. County-Level Configuration and Replication
3. State-Level Data Distribution
4. Data Managed and Maintained by OLG



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

Data Loading

- This process consists of taking a copy of the county's most recent data and loading it into our enterprise geodatabase.
- We then run some QA/QC processes to ensure good data quality.





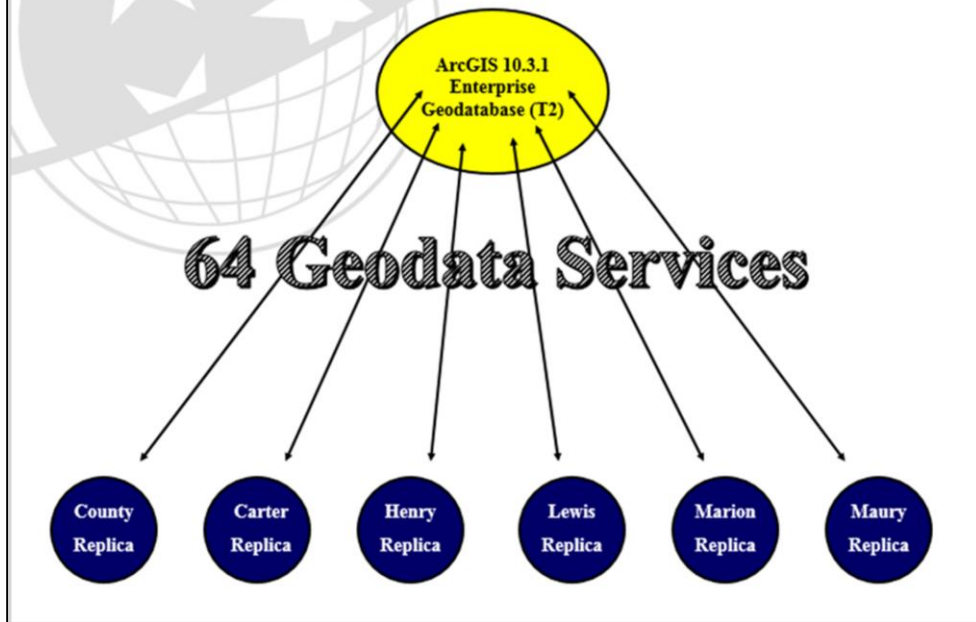
County-Level Configuration & Replication

- This process replicates changes from the local geodatabase into OLG's statewide geodatabase via GeoData web services.
- 64 distributed geodatabases that have been deployed to counties throughout the state.
- We use a scheduled task to automatically execute the replication process on a pre-defined interval.



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

Geodatabase Replication Structure





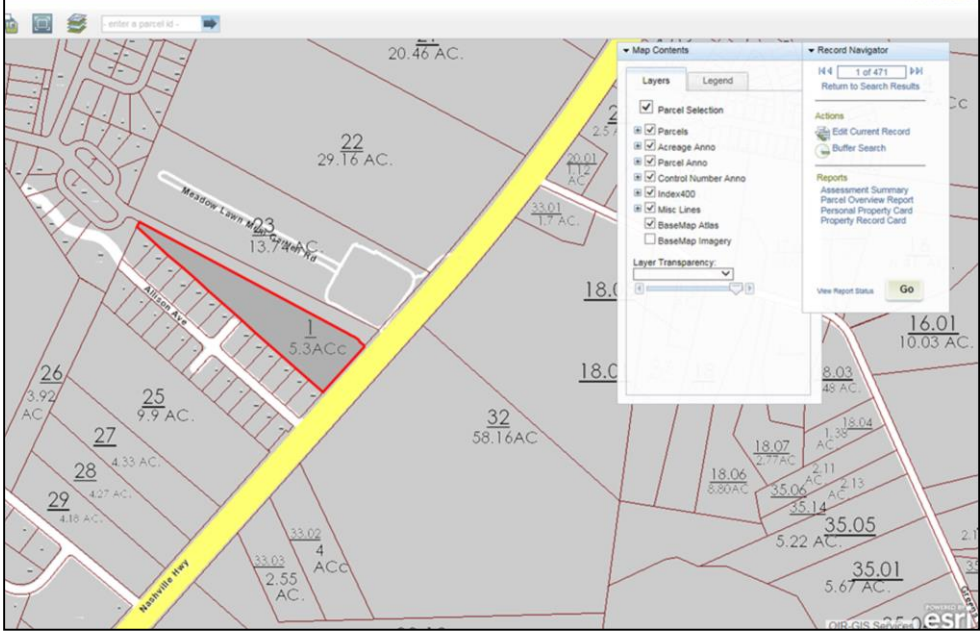
State-Level Data Distribution

- Comptroller's Integrated Multi-Processing of Administrative and CAMA Technology (IMPACT) application via map services.
- Strategic Technology Solutions via appended statewide layers. STS houses services that target state and federal agencies. Via the folks at STS, OLG's parcel (with a few other layers) will be incorporated into the TNMap



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

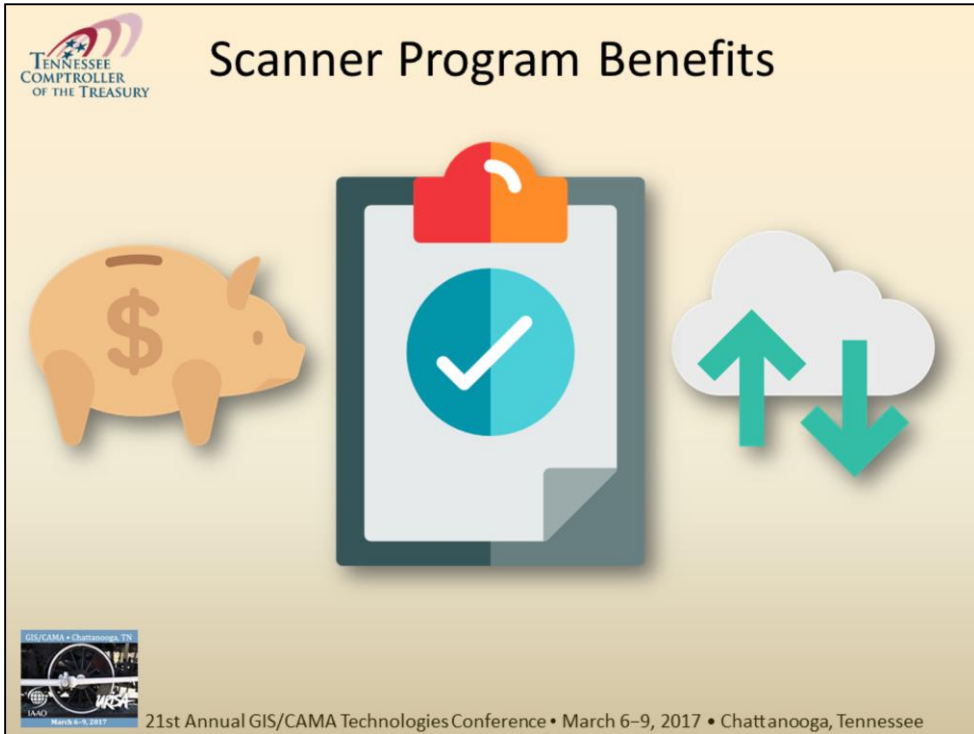
IMPACT - MAPS



Data Managed and Maintained by OLG



Some counties (22) still use good old paper maps due to the low cost (no computer hardware or software needed).



Click

- **Counties realize cost savings of not having to ship maps to Nashville. The counties also realize cost savings by requesting only updated maps instead of complete sets.**

Click

- **Map data is more current and accurate.**

Click

- **Map data is closer to being in sync with the assessment information.**



Scanner Program Benefits

- Counties realize cost savings of not having to ship maps to Nashville. The counties also realize cost savings by requesting only updated maps instead of complete sets.
- Map data is more current and accurate.
- Map data is closer to being in sync with the assessment information.



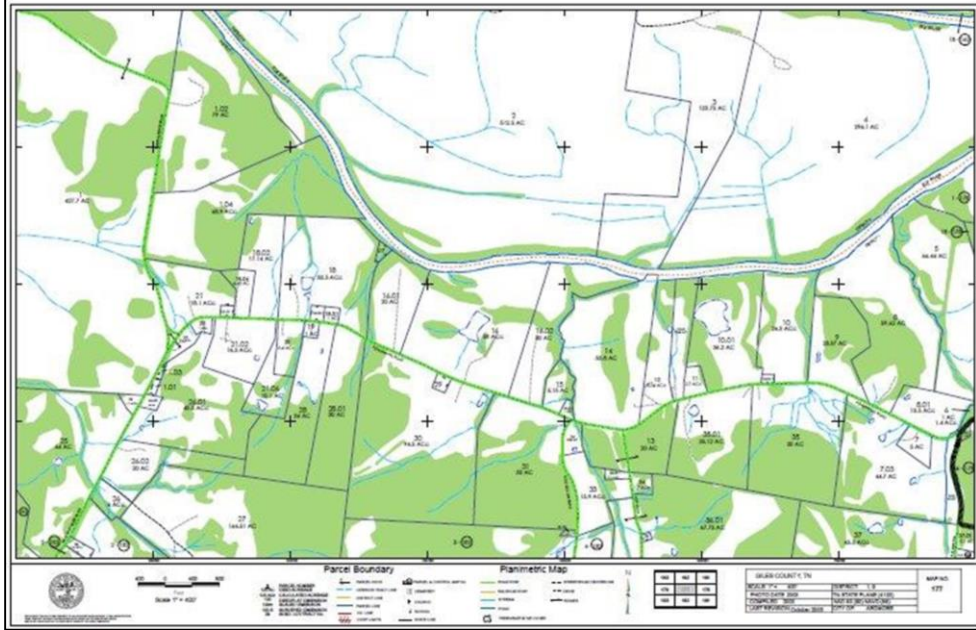
21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

Counties realize cost savings of not having to ship maps to Nashville. The counties also realize cost savings by requesting only updated maps instead of complete sets.

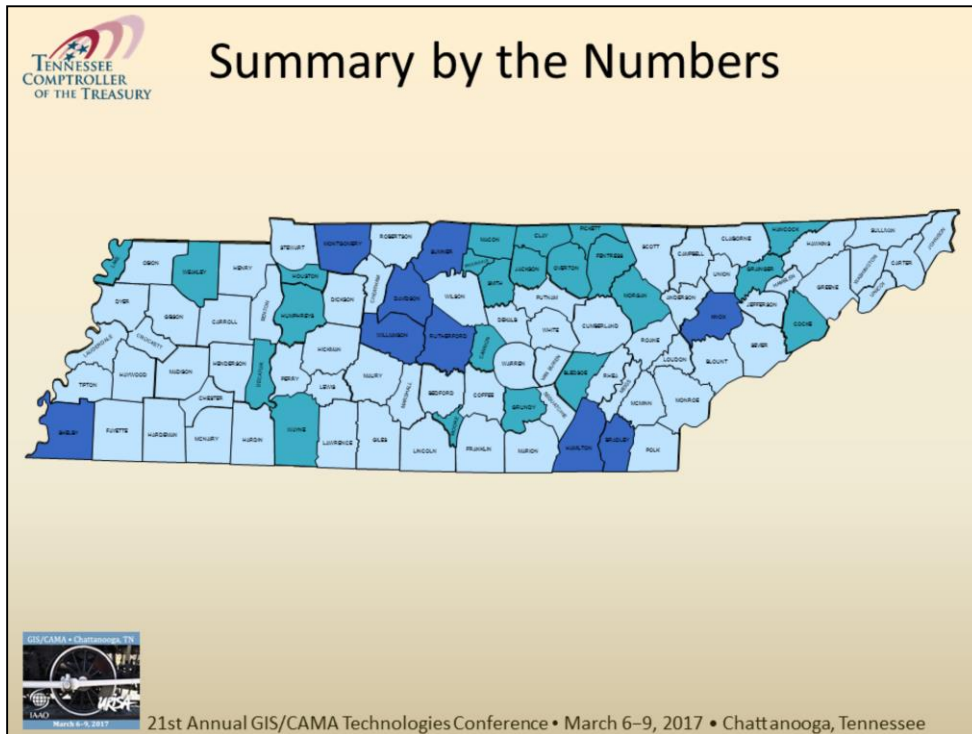
Map data is more current and accurate.

Map data is closer to being in sync with the assessment information.

Data Managed and Maintained by OLG



- The counties request only updated maps instead of complete sets. These are printed in house and shipped to the county as needed.



State of Tennessee is comprised of **95 Counties**.

95 Counties approximately 3.2 million parcels.

-CLICK

- **86 counties managed by OLG, same GIS dataset schema.**
- 86 Counties managed by OLG approximately 1.9 million parcels.

-CLICK

- **(OF THOSE 86) 64 Counties Replicate data changes nightly to OLG.**

-CLICK

- **(OF THOSE 86) 22 Counties edited in house by OLG.**

-CLICK

- **9 Counties have their own schema but most very similar and integrates well with our data (All ArcGIS Geodatabases).**



Contact Information

TJ Muzorewa

Office of Local Government

GIS Manager

505 Deaderick Street, Suite 1700

Nashville, TN. 37243

Office: 615-401-7793

TJ.Muzorewa@cot.tn.gov

<http://www.comptroller.tn.gov/lg>



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

The Applications



Ken Morrell

**Assessment Systems Manager
Division of Property Assessments
Comptroller of the Treasury
State of Tennessee**



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

The Applications

- GIS has become an indispensable tool in the assessment process
- As the uses of integrated GIS and CAMA data have grown, the number of mission-specific applications using the same data has grown
- Using the data in multiple applications places even more importance on having and maintaining accurate GIS data



The Applications

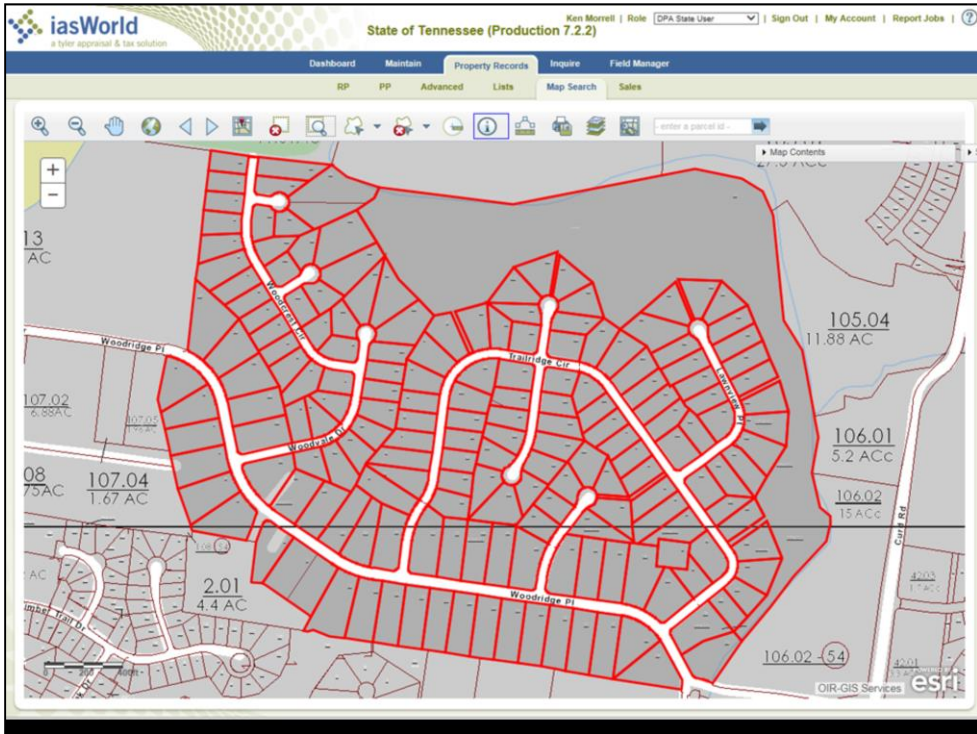
- GIS and CAMA data is integrated in multiple targeted applications for the assessment process
 1. GIS integrated into the CAMA system
 2. PC application for GIS-centric inquiry and reappraisal analysis in the office and in the field
 3. Mobile field data collection application
 4. Public web access to CAMA and GIS data



The Applications GIS integrated into CAMA

- 84 of Tennessee's 95 counties use a CAMA system hosted and managed by the Comptroller's Office
 - *2 million parcels*
- Current TNBMP data exposed in CAMA as services from the Comptroller's enterprise geodatabase
- Visualization of selected parcel(s)
- Typical GIS functionality (zoom, pan, select, identify, measure, buffer, print, export)
- Select parcels on map to create list for batch update
- View related Personal Property accounts from map





iasWorld
a tyler appraisal & tax solution

State of Tennessee (Production 7.2.2)

Key Merrill | Role: DPA State User | Sign Out | My Account | Report Jobs

Dashboard | Maintain | Property Records | Inquire | Field Manager

RP | PP | Advanced | Lists | Map Search | Sales

0540 B 01700 000

Parcel

Map Contents | Selection

PARID: 076C B 00300 000 JUR: 05
 NBHD: M21 ROLL: R
 WOMACK ANGELA M ETVIR 1726 HARTFORD L

Parcel | Sales

GIS Link: 065076C B 00300

Property Type: 00 - Residential
 Class: R
 Neighborhood: M21
 Living Units: 1
 Total Cards: 1
 Calculated CAMA Acres: 1.0000

Topography: 1 - ROLLING
 Water/Sewer: 01 - PUBLIC / PUBLIC
 Electricity: 01 - PUBLIC
 Gas: 01 - PUBLIC - NATURAL GAS
 Roads: 3 - PAVED
 Tax Year: 2017
 Jur: 095

Zoom to

TN Department of Transportation | GIS-GIS Services | esri

iasWorld
a tyler appraisal & tax solution

State of Tennessee (Production 7.2.2)

Ken McNeill | Role: DPA State User | Sign Out | My Account | Report Job

Dashboard Maintain Property Records Inquire Field Manager

RP PP Advanced Lists Map Search Sales

Parcel

Map Contents Selection

PARID: 081 03601 000 JUR: 05
NBHD: L99 ROLL: R
MCDONALDS CORPORATION 705 S CUMBERLAND S

Parcel Sales

Personal Property

Personal Property ID	081 03601P001	PP Profile
Real Estate Parcel	081 03601 000	
Tax Year	2017	
Roll Type	PP	
Tax District	95E01	
Account Status	A	
City Tax District	95404	
Version Number	1	
User ID	IMPACT	
Status		
Assessment Type	SF	
Unit Type		
NAICS	722211	
PP Type	06	
Asset List Year	2016	
Business License #		
Reason Code for Main	20	
Note		
Note		LIMITED-SERVICE RESTAURANTS
Prior Account Number		
Prior Account Tax Year		
SS01	405	
SS02	000	
SS03	000	
Year Appraised	2015	
Map	081	
Control Map	081	
Deletion Allowed Indicator	N	
Discovery Source		
Appealed To		
Number of Units	4661	
Appraised Value		

Zoom to

Powered by esri

QIR-GIS Services | TN Department of Transportation



The Applications

GIS Inquiry/Analysis Application for Office/Field

- **MapViewer**
 - Current TNBMP data extracted from county and/or state geodatabases into shapefiles
 - Orthos in MrSID format
 - User-friendly interface customized for use in property assessment
 - Can run in a networked or disconnected environment



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



The Applications

GIS Inquiry/Analysis Application for Office/Field

- **MapViewer (cont'd.)**
 - GIS in the hands of assessment personnel
 - 724 machines statewide (621 county, 103 state)
 - Current version
 - Developed in 2003 using Visual Basic and ESRI MapObjects
 - Coming version
 - Currently in development using Visual Studio and ArcGIS Runtime
 - Prototype code written by ESRI
 - Application to be completed by state



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



The Applications

GIS Inquiry/Analysis Application for Office/Field

- **MapViewer (cont'd.)**
 - Parcel lookup and inquiry (owner, address, parcel)
 - View CAMA data (property record card) from map
 - Thematic maps, labels, measure, overlay, buffer, print, export
 - View the map and property record card for any parcel in the county
 - View live GPS location



21st Annual GIS/CAMA Technologies Conference • March 6-9, 2017 • Chattanooga, Tennessee



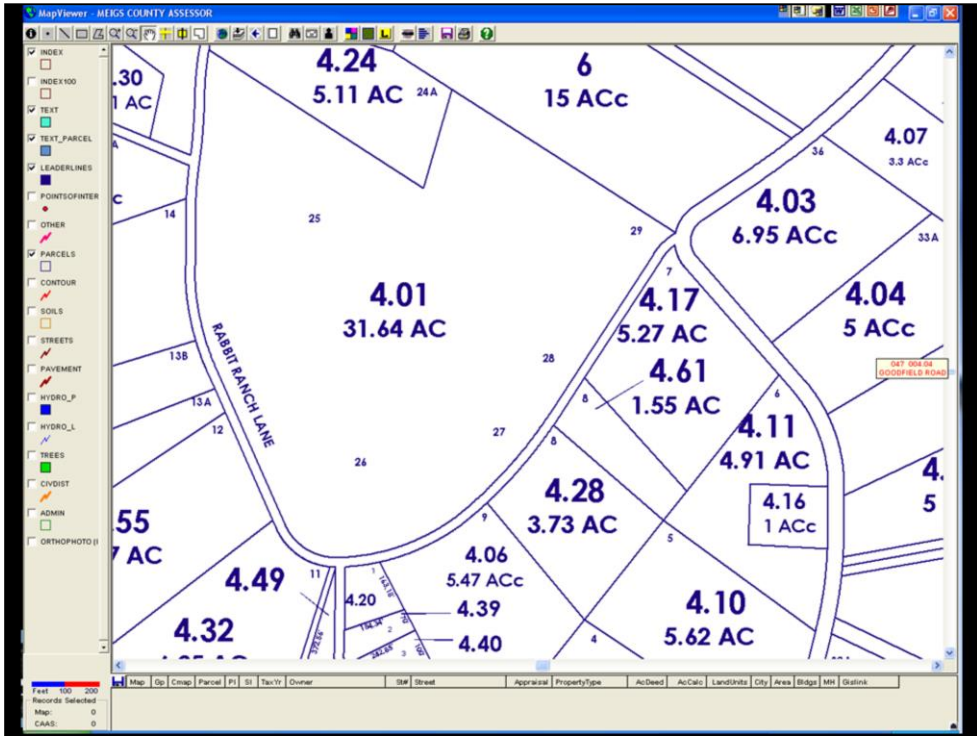
The Applications

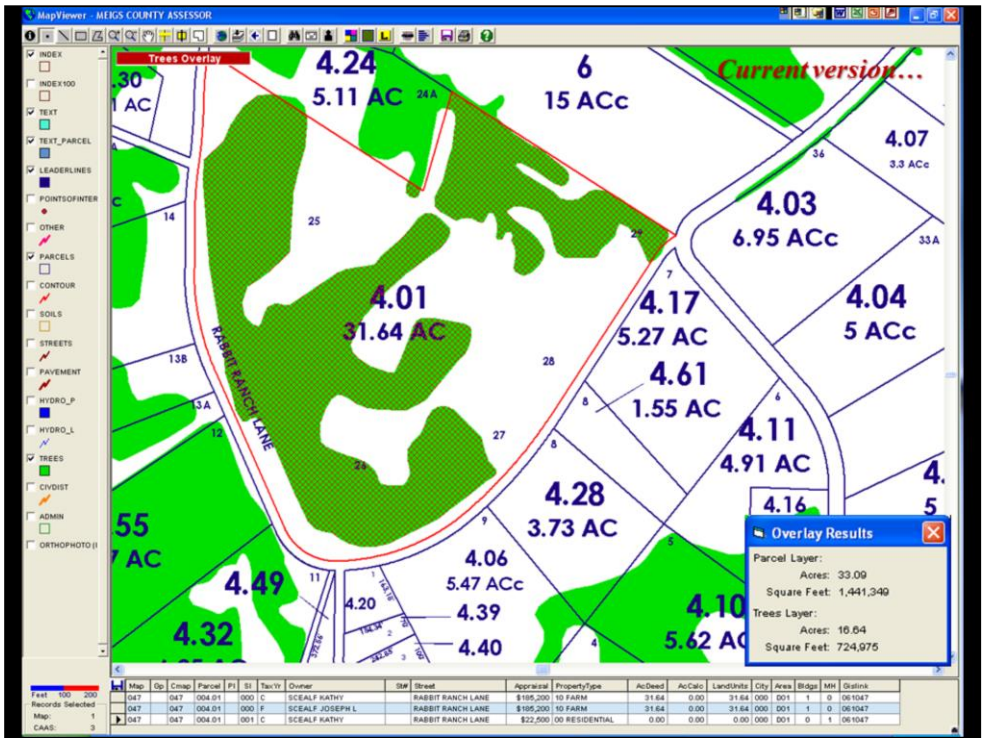
GIS Inquiry/Analysis Application for Office/Field

- MapViewer (cont'd.)
 - Used in the Assessor's Office by
 - Office personnel
 - Appraisal personnel
 - General public
 - Used in the Field by
 - Appraisal personnel



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee





MapViewer SUMNER COUNTY ASSESSOR

151 04A RD
CALDWELL DRIVE

Current Version...

INDEX
INDEX100
ADMIN
TEXT_GENERAL
TEXT_PARCEL
LEADERLINES
RAILROADS
RR_ROW
POINTSOFINTER
OTHER
PARCELS
SOILS
STREETS
PAVEMENT
HYDRO_F
HYDRO_L
TREES
CVDIST
ORTHO_NW (1m)
ORTHO_NE (1m)
ORTHO_SW (1m)
ORTHO_SE (1m)
X: 1770223.15
Y: 722046.40

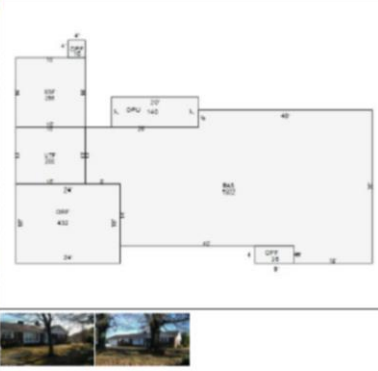
GPS Tool
LINES: 12M/1M
CONZ: 41
Speed: GPS
Site
Title
69 MPH
E
S: 1784817.50 W
Y: 727480.21 N
Altitude: 155.8 M
Degrees: 80.85
VDOP: 1.5
HDOP: 0.8
PDOP: 1.8
Fix Status: 3
Sat in Use: 10
Date: 1/04/06
Time (GMT): 11:38:00 am
GPS: 48deg
Continue Recording [GPS Tracking File]

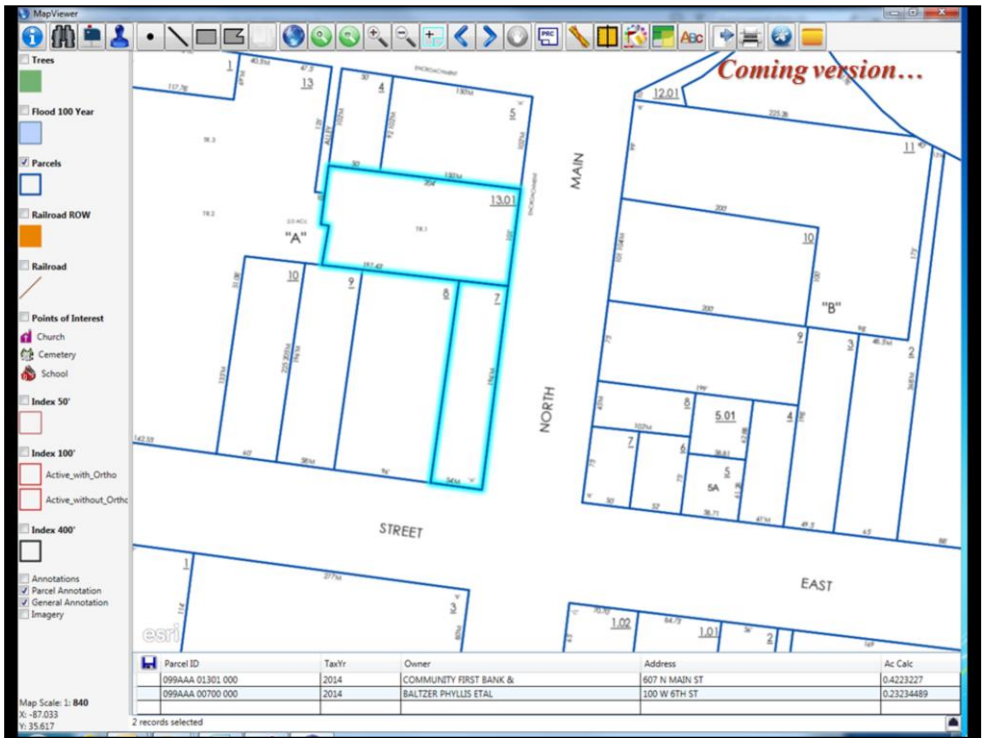
Signal Strength
SATELLITE GEOMETRY
NORTH
SOUTH

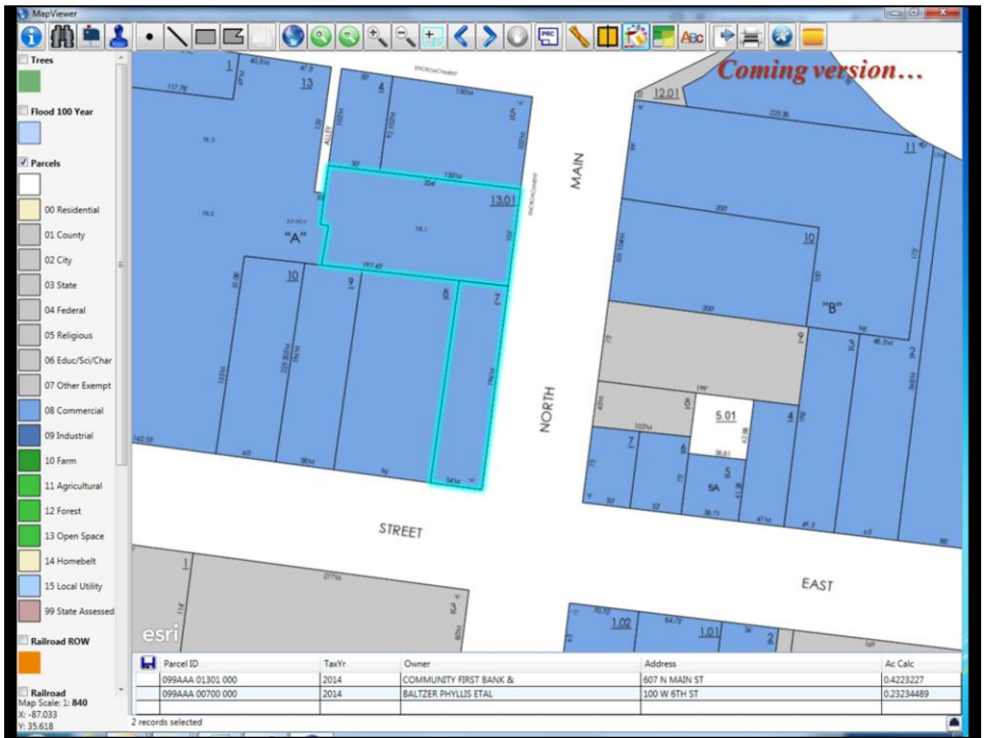
Fast: 200 400
Records Selected: 0
Map: 0
CAAS: 0

Map Op Cmap Parcel PI SI Tax/Y Owner SW Street Appraisal Property Type Ac/Deed Ac/Calc Land/Units City Area Bldgs MH Distink

Property Type: 00 Residential										ASSESSOR OF PROPERTY - PROPERTY RECORD CARD									
630 MAIN ST S Property Address Ownership and Mailing Address MAXWELL JON BARRY 630 SOUTH MAIN ST CORNERSVILLE TN 37047										Subdivision: BK PG BLOCK LOT TRACT City: MARSHALL State: TN Parcel: 0001 Description: 074 074 003 01 000 Dimensions:									
DWELLING DATA Improv Type: 01 Single Family Lower Level: 1 No Basement Stories: 1 Story Frame Heating/Air: 8 Heat And Cooling Plug Exterior Wall: 11 Common Brick Alts:										TAX YEAR 2016 059 099 014.00 000 JUR CONTROL MAP GROUP PARCEL P1 S1 City: MARSHALL Map: 099 Updated: 07/20/15 Dist: 04 Printed: 08/12/2015 Total Land Units: 9.41 Cont: 1 of 1 Deed Acres: 9.41 Page 1 of 1 Calculated Acres: 0									
APPRaised VALUES LAND: 41,600 IMPROVEMENTS: 138,200 TOTAL APPRAISAL: 179,800 GREENBELT APR: 44,950 ASSESSED @ APPROACH: 20% COST VALUE: 179,800										PARCEL DATA NBHD: H100 Review Flag: Living Units: State/Class: S3 Public / Individual Electricity: Gas: S0 None S1 Public S2 None S3 None S4 None S5 None S6 None S7 None S8 None S9 None S10 None S11 None S12 None S13 None S14 None S15 None S16 None S17 None S18 None S19 None S20 None									
OUTBUILDINGS and YARD ITEMS Code Description Yr Bld Eff Yr Area Grade Units Adst Description Class Rate Cont BCU % Wood Front Adst Fmt Value DRW Driveway 1990 1990 5,537 C 1 BR 1,500 AV 8,460 34 1 2,866 FSP Farm Shop 2003 2003 1,200 C 1 30X40 13,817 AV 16,670 82 1 13,670 CUD Detached Carport Unf 2008 2008 378 E 1 18X21 2,037 PR 770 90 1 608 ASN Attached Shed 2008 2008 480 C 1 12X8 5,125 AV 2,850 92 1 2,350 WOK Wood Deck 2013 320 C 1 16 X 20 9.75 AV 3,120 95 1 2,960										ENTRANCES Code Code ID 07/20/2015 00 Prod Review BT BUILDING PERMITS Date Type Status Last Visit									
MARKET LAND # Type Totals Code Amt Front Depth Units Rate Inv Fld Typo Loc Size Mkt Dep Adj Rate Value Class # Mkt Line Use Type Sell Type Totals Acres Rate Use Value 1 U 24 04 0 0 9.41 4,425.08 41,640 Totals: 9.41 41,640										AGRICULTURAL / GREENBELT LAND # Type Totals Code Amt Front Depth Units Rate Inv Fld Typo Loc Size Mkt Dep Adj Rate Value Class # Mkt Line Use Type Sell Type Totals Acres Rate Use Value									
SALES Date Book Page Price Adj Price Slt Insp Adst Owner F O S 0 04/12/2013 612 884 161,120 161,120 1 WD A MAXWELL JON BARRY 06/05/2003 361 891 192,000 192,000 1 WD A PICKENS FRANK L										NOTES F O S 0 OTHER SHEDS NO VALUE									







MapViewer

Coming version...

Legend:

- Trees
- Flood 100 Year
- Parcels
- Railroad ROW
- Railroad
- Points of Interest
 - Church
 - Cemetery
 - School
- Index 50'
- Index 100'
- Active_with_Ortho
- Active_without_Ortho
- Index 400'
- Annotations
 - Parcel Annotation
 - General Annotation
 - Imagery

Parcel ID	Tax/Yr	Owner	Address	Ac. Calc
099AAA 01301 000	2014	COMMUNITY FIRST BANK &	607 N MAIN ST	0.4223227
099AAA 00700 000	2014	BALTZER PHYLLIS ETAL	100 W 6TH ST	0.23234489

Map Scale: 1: 840
X: -87.032
Y: 35.618

2 records selected

The Applications Field Data Collection

- Mobile field data collection application by CAMA vendor
- Current TNBMP data extracted from geodatabase into runtime geodatabase (i.e., runtime content)
(See next presentation on Python script to extract and prepare runtime data)
- Runs in a disconnected environment
 - Connect to download / upload CAMA parcels
- Limited number of parcels at a time (neighborhood, permits to review, etc.)
- Parcels on device displayed on map
- Status changes visible on map





The Applications Field Data Collection

- Currently in testing prior to implementation
- Basic GIS data currently seen can be expanded as we get closer to implementation



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

iasWorld Field Mobile

iasWorld Field Mobile

Tasks 6 Total on Device

My Custom Task List

6

Downloads & Uploads

Tasks Available for Download

26

Last Checked 09-NOV-2016 12:00PM

Bookmarks

Bookmarks ★

0


All Incomplete	Errors	Ready to Upload
6	0	0
Overdue	High Priority	
0	0	

Settings ...

World Field Mobile

Task List

0 of 6 selected



Map showing property boundaries and task locations marked with pins.

Task ID	Address	Status
024 03500 000 059 2016	3980 RIVER GLEN DR	In Progress
024 03900 000 059 2016	3963 RIVER RIDGE DR	In Progress
024 03800 000 059 2016	3971 RIVER RIDGE DR	Not Started
024 03700 000 059 2016	3975 RIVER RIDGE DR	



World Field Mobile

024 06000 000 059 2016 WHITWORTH DAVID O AdHoc-AdHoc #995

3964 RIVER GLEN DR

In Progress

Parcel Information

Sketch/Photo	Owners	Parcel
 	<p>Owner Name WHITWORTH DAVID</p> <p>Appeal Result</p> <p>ETUX ANNA M</p> <p>Cnty Tax Freeze Flag</p> <p>County Base Year</p> <p>City Tax Freeze Flag</p> <p>City Base Year</p> <p>Appeal Year</p> <p>Appealed To</p>	<p>Pr</p> <p>Nei</p> <p>Typ</p> <p>Calc C</p> <p>Total Ad</p>

024 06000 000 059 2016 WHITWORTH DAVID O AdHoc-AdHoc #995

3964 RIVER GLEN DR

Residential Card 1 In Progress ▾

Characteristics Other Fe

Card # 1	Heat Fuel Type <input type="text"/>	Bedrooms 0 ▾ ▲	Mason
Valuation Method D: Dwelling Valuat <input type="text"/>	Attic <input type="text"/>	Family Rooms <input type="text"/>	Mason
Improvement Type* 01: SINGLE FAMIL' ▾	Year Built* 2002 ▾ ▲	Full Baths <input type="text"/>	Mason
Story Height* 2: 2 STORY FRAM <input type="text"/>	Effective Year 2002 ▾ ▲	Half Baths <input type="text"/>	Unfin
Exterior Wall* 11: COMMON BRIT <input type="text"/>	Remodeled Year <input type="text"/>	Additional Fixtures <input type="text"/> 8 ▾ ▲	Unfin A
Record Type R: Real Property ▾	Remodeled <input type="text"/>	Total Fixtures 8	Unfin
Lower Level 1: NO BASEMENT <input type="text"/>	Frozen % <input type="text"/>		Rec R
Heating* 8: HEAT AND COO <input type="text"/>	Total Rooms <input type="text"/> 0 ▾ ▲		Rec R

024 06000 000 059 2016 WHITWORTH DAVID O AdHoc-AdHoc #995

3964 RIVER GLEN DR

Sketch Card 1

In Progress ▾

Additions (5)	
Line 0	-
Area 1,704	\$0
Line 1	OPF: OPEN PORCH FINISHED
Area 104	\$1,840
Line 2	OPF: OPEN PORCH FINISHED
Area 12	\$210
Line 3	GRF: GARAGE FINISHED
OBY (1)	
Line 2	DRW: DRIVEWAY
2003	2,567
GOOD	GOOD
\$4,750	



The Applications Public Web Access

- Updated TNBMP data provided by Comptroller's Office of Local Government to GIS Services (F&A)
 - Monthly updates of digital parcel data and municipal boundaries
- GIS Services hosts the **Tennessee Property Viewer** to display that map data
- Subset of attributes from CAMA data also provided
- Live link to more complete CAMA data on the Comptroller's **Real Estate Assessment Data** website



21st Annual GIS/CAMA Technologies Conference • March 6-9, 2017 • Chattanooga, Tennessee



The Applications Public Web Access

- Two-way interaction between **Tennessee Property Viewer** and **Real Estate Assessment Data**
 - Search assessment data and view related map
 - Search map and view related assessment data
- Free to the public - 2 million assessment records and their related maps
- One way to make government work better



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee

State of Tennessee  Comptroller of the Treasury
Real Estate Assessment Data

The information presented on this site is used by county Assessors of Property to assess the value of real estate for property tax purposes. Data on this site exists for 94 of Tennessee's 95 counties. Links are provided at the bottom of this page for the counties not included here, which are Bradley, Chester, Davidson, Hamilton, Hickman, Knox, Montgomery, Rutherford, Shelby, Sumner and Williamson.

This site has been awarded the International Association of Assessing Officers' Outstanding Assessment Applications Award. 



or make a selection from the following list:

ANDERSON



If you encounter problems while navigating this site, you may contact us at dpa.web@cot.tn.gov

The following links are provided for your convenience. The resulting pages are not maintained by the Tennessee Office of the Comptroller of the Treasury, and we make no guarantees as to their content or accuracy.

Bradley County

[Bradley County Assessor of Property](#)

Chester County

[Chester County Assessor of Property](#)

Davidson County

[Metro Nashville Davidson County Assessor of Property](#)
[Metro Nashville Davidson County Planning Department / GIS](#)

Hamilton County

[Hamilton County Assessor of Property](#)

[Home](#) [About](#) [New Search](#)

Please enter the desired search criteria, then click on the **SEARCH** button. You must be using a Javascript-enabled browser to view these pages.

County:

Owner Name: Enter last name first.
Example: SMITH J or SMITH JOHN

Property Address: Enter street name first, then number if desired.
Example: MAIN ST 1200

<p>Parcel ID: <input type="text"/></p> <p>Control Map</p> <p><input type="text"/></p> <p>Three numbers with up to two optional letters following. <small>Examples: 012 or 100A</small></p>	<p>Group</p> <p><input type="text"/></p> <p>Up to two optional letters. <small>Examples: B or AA</small></p>	<p>Parcel</p> <p><input type="text"/></p> <p>Five numbers with decimal added. <small>Example: 025.00</small></p>
--	--	--

Subdivision Name: Example: RIVER OAKS

Classification:

Sale Date: **From** **Through** Dates must be entered in the following format: mm/dd/yyyy
 Example: 01/31/2000

Sort Selection by:

Owner
 Property Address
 Parcel ID
 Subdivision
 Classification
 Sale Date

Glossary of Terms	How to Search	Fact Sheet
Division of Property Assessments Home Page	Comptroller of the Treasury Home Page	State of Tennessee Home Page

State of Tennessee  Comptroller of the Treasury
Real Estate Assessment Data

[Home](#) [About](#) [New Search](#)

County Number: 030 County Name: GREENE Tax Year: 2017
 Record Count: 25 Date Last Updated: 1/27/2017

This listing can be sorted on an individual column by clicking the column header. A second click will reverse the order for that column.

	Owner	Property Address	Ctrl Map	Grp	Parcel	SI	Parcel ID	Subdivision	Lot	Class	Sale Date	
Select	RENEAU BARBARA MAE	ACTON CT 505	098L	E	036.00	000	098L E 03600 000098L	LAKEVIEW	1	RESIDENTIAL	01/14/200	GIS Map
Select	JACKSON DELMAR G ETUX L/E	ACTON CT 507	098L	E	035.00	000	098L E 03500 000098L	LAKEVIEW	2	RESIDENTIAL	11/19/201	GIS Map
Select	HENSLEY JOE ALLEN &	ACTON CT 509	098L	E	034.00	000	098L E 03400 000098L	LAKEVIEW ADD	3	RESIDENTIAL	09/06/197	GIS Map
Select	BLEDSoE BILLY J	ACTON CT 605	098L	F	030.00	000	098L F 03000 000098L	LAKEVIEW		RESIDENTIAL	03/23/201	GIS Map
Select	GIESLER DONALD P	BAILEYTON RD	043		088.00	000	043 08800 000043	LAKEVIEW ESTATES		FARM	04/28/198	GIS Map
Select	PROWSE CLAIRE E	BAYBERRY ST 124	098L	E	028.00	000	098L E 02800 000098L	LAKEVIEW ADD	10	RESIDENTIAL	10/29/199	GIS Map
Select	CRAWFORD STANLEY	CHAPEL ST 119	098L	F	008.00	000	098L F 00800 000098L	LAKEVIEW	23	RESIDENTIAL	08/17/200	GIS Map
Select	BOLTON LAVADA B	CHAPEL ST 120	098L	E	027.00	000	098L E 02700 000098L	LAKEVIEW ADD		RESIDENTIAL	08/25/201	GIS Map
Select	LAWLOR JOHN	CHAPEL ST 123	098L	F	007.00	000	098L F 00700 000098L	LAKEVIEW	22	RESIDENTIAL	04/09/200	GIS Map
Select	DEAN CHRISTINE A	CHAPEL ST 125	098L	F	006.00	000	098L F 00600 000098L	LAKEVIEW ADD	20	RESIDENTIAL	05/26/200	GIS Map
Select	MARION MICHAEL J	CHAPEL ST 127	098L	F	005.00	000	098L F 00500 000098L	LAKEVIEW	18	RESIDENTIAL	04/05/201	GIS Map
Select	DEAN DORIS F	CHAPEL ST 129	098L	F	004.00	000	098L F 00400 000098L	LAKEVIEW ADDON	17	RESIDENTIAL	08/19/200	GIS Map
Select	CUTSHALL JUNE	CHAPEL ST 130	098L	E	031.00	000	098L E 03100 000098L	LAKEVIEW	7	RESIDENTIAL	05/04/198	GIS Map
Select	SEXTON MARK D	CHAPEL ST 132	098L	E	032.00	000	098L E 03200 000098L	LAKEVIEW	6	RESIDENTIAL	05/12/200	GIS Map
Select	MORRIS ROBERT L	CHAPEL ST 133	098L	F	003.00	000	098L F 00300 000098L	LAKEVIEW	15	RESIDENTIAL	01/02/190	GIS Map
Select	RICKER I H ETUX L/E	CHAPEL ST 134	098L	E	033.00	000	098L E 03300 000098L	LAKEVIEW	5	RESIDENTIAL	03/17/199	GIS Map
Select	HORIZON COMMUNITY DEVELOPM	CHAPEL ST 135	098L	F	002.00	000	098L F 00200 000098L	LAKEVIEW	14	RESIDENTIAL	11/09/200	GIS Map
Select	DEF BERNARD	DEF BERNARD										GIS Map

[Home](#) [About](#) [New Search](#) [Return to List](#)

County Number: 030

County Name: GREENE

Tax Year: 2017

Property Owner and Mailing Address

Jan 1 Owner:
 MARION MICHAEL J
 GLYNIS
 127 CHAPEL ST
 GREENEVILLE, TN 37743

Property Location

Address: CHAPEL ST 127

Map: 098L Grp: F Ctrl Map: 098L Parcel: 005.00 Pl: S/I: 000

Value Information

Reappraisal Year: 2013

Land Mkt Value:	\$18,700
Improvement Value:	\$33,900
Total Market Appraisal:	\$52,600
Assessment %:	25
Assessment:	\$13,150

General Information

Class:	00 - RESIDENTIAL		
City #:	311	City:	GREENEVILLE
SSD1:	000	SSD2:	000
District:	10	Mkt Area:	G01
# Bldgs:	1	# Mobile Homes:	0

Cabinet/Millwork: 03 - AVERAGE **Floor Finish:** 11 - CARPET COMBINATION
Interior Finish: 11 - PANELING BELOW AVG **Paint/Decor:** 03 - AVERAGE
Heat and A/C: 07 - HEAT & COOLING SPLIT **Plumbing Fixtures:** 3
Bath Tile: 00 - NONE **Electrical:** 03 - AVERAGE
Shape: 01 - RECTANGULAR DESIGN **Quality:** 01 - AVERAGE
Act Yr Built: 1953 **Condition:** A - AVERAGE

Building Areas:

Area: BAS Sq Ft: 992
 Area: BMU Sq Ft: 323
 Area: OPU Sq Ft: 128
 Area: OFF Sq Ft: 60
 Area: EPF Sq Ft: 50

Extra Features

Bldg/Card#	Type	Description	Units
1	CARPORT UNFINISHED DETACHED	9X16	144
1	PATIO	11X14	154

Sale Information

Sale Date	Price	Book	Page	Vac/Imp	Type Instrument	Qualification
04/05/2016	\$77,000	568A	2715	IMPROVED	WD	A
10/05/2009	\$60,000	472A	782	IMPROVED	WD	A
03/25/1986	\$0	396	156			
03/25/1986	\$23,000	396	156	IMPROVED	WD	A

Land Information

Deed Acres: 0.00 Calc Acres: 0.00 Total Land Units: 100.00
 Land Type: 01 - RESIDENTIAL Soil Class: Units: 100.00

[New Search](#) [Return to List](#) [View GIS Map for this Parcel](#)

Glossary of Terms	How to Search	Fact Sheet
Division of Property Assessments Home Page	Comptroller of the Treasury Home Page	State of Tennessee Home Page

Tennessee Property Viewer

Aerial Photography Street Map Show FEMA DFIRM Flood Map Hide Property Lines Hide Property Labels

Zoom In Zoom Out Pan Identify Help

Measure

Search

Search Results

Property Detail

Hide Parcel Highlight(s)

Clear Selection Completely

County: Greene

Owner: MARION MICHAEL J

Owner 2: GLYNIS

Address: CHAPEL ST 127

Parcel Number: 098L F 005.00

Deeded Acreage: 0

Calculated Acreage: 0

Subdivision: LAKEVIEW

Subdivision Lot: 18

Date of Imagery: 2011

[Click here](#) for the most up-to-date ownership and assessment information.

[Click here if there is a problem with this property.](#)

Export PDF of this map

The property maps represented on this site are compiled from information maintained by your local county Assessor's office and are a best-fit visualization of how all the properties in a county relate to one another. The property lines are determined by examining detailed property descriptions on deeds and by using surveys created by a licensed surveyor but are not conclusive evidence of property ownership in any court of law. If you feel your property is drawn in error, you should contact your local Assessor's office and work with them to resolve the discrepancy.

TN Comptroller - OLG State of Tennessee comptroller...

Tennessee Property Viewer

Aerial Photography
 Street Map
 Hide FEMA DFIRM Flood Map
 Hide Property Lines
 Hide Property Labels

Measure

Search

Search Results

Property Detail

County: Greene
 Owner: MARION MICHAEL J
 Owner 2: GLYNIS
 Address: CHAPEL ST 127
 Parcel Number: 098L F 005.00
 Deeded Acreage: 0
 Calculated Acreage: 0
 Subdivision: LAKEVIEW
 Subdivision Lot: 18
 Date of Imagery: 2011

[Click here](#) for the most up-to-date ownership and assessment information.
[Click here if there is a problem with this property.](#)

The property maps represented on this site are compiled from information maintained by your local county Assessor's office and are a best-fit visualization of how all the properties in a county relate to one another. The property lines are determined by examining detailed property descriptions on deeds and by using surveys created by a licensed surveyor but are not conclusive evidence of property ownership in any court of law. If you feel your property is drawn in error, you should contact your local Assessor's office and work with them to resolve the discrepancy.

POWERED BY

TN

Tennessee Property Viewer

Aerial Photography
Street Map
Hide FEMA DFIRM Flood Map
Hide Property Lines
Hide Property Labels

+
–

Zoom In Zoom Out Pan Identify Help

Measure

Search

You can use the options below to find property based on Parcel Number, Owner Name, Property Address, or Subdivision Name. **Note:** Bradley, Chester, Davidson (Nashville), Hamilton (Chattanooga), Hickman, Knox (Knoxville), Montgomery, Rutherford, Shelby (Memphis), Sumner, and Williamson Counties maintain their own sites. Links to those sites can be found in the Help section.

Step 1:
 Choose a county: Greene

Step 2:
 Choose a search type: Owner Name

Step 3:
 Enter a name:
 Example: SMITH J or SMITH JOHN

Search

Search Results

Property Detail

TN
Tennessee Property Viewer

Aerial Photography | Street Map | Hide FEMA DFIRM Flood Map | Hide Property Lines | Hide Property Labels
Zoom In | Pan | Identify | Help

Measure

Search

Search Results

83 records returned. [Clear Results](#) [Zoom Results](#)

Move mouse over the grid results below to highlight a particular parcel. Click a row in the grid to zoom to that parcel and get more detail.

Parcel Number	Owner	Address
099E A 048.00	ANDERSON ALBERT A II	WOODCREST DR 101
099F A 012.00	ANDERSON ANDREW J	DOGWOOD DR 209
098K F 017.00	ANDERSON BENNIE J	WESLEY AVE
098K F 012.00	ANDERSON BEULAH L	HENRY ST 102
130 059.00	ANDERSON C R	PATES HILL RD
092 040.16	ANDERSON CHRISTOPHER	SOLOMON RD
098K H 013.00	ANDERSON CLARA RENE	W IRISH ST 714
092L A 001.01	ANDERSON CURTIS W	SOLOMON RD 105
146 063.03	ANDERSON DARLENE	ASHEVILLE HWY 6225
0758 A 026.00	ANDERSON DARRELL C	DOGWALK RD 250
102 067.02	ANDERSON DAVID W	PLEASANT HILL RD 380
098F F 026.00	ANDERSON DEBORAH L	MAPLE AVE 405
061 030.02	ANDERSON DIANNE PRUITT	ANDERSON LOOP 1005
0990 A 004.00	ANDERSON DONALD E	WAYFAIR CIR 204

Property Detail

POWERED BY



The Applications Public Web Access

And, there's a mobile version...



21st Annual GIS/CAMA Technologies Conference • March 6-9, 2017 • Chattanooga, Tennessee

TN Property Viewer

Search for Parcels by:

Parcel Number	>
Owner Name	>
Property Address	>
Subdivision	>

* Property data for the following counties are not available: Bradley, Chester, Davidson, Hamilton, Hickman, Knox, Montgomery, Rutherford, Shelby, Sumner, Williamson.

Additional options

View the Map	>
Help	>
Frequently Asked Questions	>

This is the mobile version of the TN Property Viewer. [The full version](#) can also be accessed.

Parcel Number

Choose a county:

Greene

Control Map:

098L

Group:

F

Parcel:

Search

The Control Map and Parcel fields need to contain leading zeroes. For example, parcel 9.00 should be written as 009.00

* Property data for the following counties are not available: Bradley, Davidson, Hamilton, Knox, Montgomery, Roane, Rutherford, Sevier, Shelby, Sumner, Unicoi, Williamson.

Results from a search on Parcel Number

Displaying Results 1 - 28 of 28

+ 098L F 001.00 : OTTINGER PHILLIP
+ 098L F 002.00 : HORIZON COMMUNITY DEVELOPM
+ 098L F 003.00 : MORRIS ROBERT L
+ 098L F 004.00 : DEAN DORIS F
+ 098L F 005.00 : MARION MICHAEL J
+ 098L F 006.00 : DEAN CHRISTINE A
+ 098L F 007.00 : LAWLOR JOHN
+ 098L F 008.00 : CRAWFORD STANLEY
+ 098L F 009.00 : GONZALEZ SALVADOR
+ 098L F 010.00 : MADRID JAMES O
+ 098L F 011.00 : JOHNSON ROY
+ 098L F 012.00 : JOHNSON ANGELA L
+ 098L F 013.00 : BAILEY OLENE
+ 098L F 014.00 : JOHNSON ROY
+ 098L F 015.00 : BIBLE EFFIE
+ 098L F 016.00 : JONES KATHLEEN WEEMS L/E
+ 098L F 017.00 : NOLICHUCKEY HOLSTON AREA
+ 098L F 019.00 : JOHNSON ROY JAMES

Results from a search on Parcel Number

Displaying Results 1 - 28 of 28

- + 098L F 001.00 : OTTINGER PHILLIP
- + 098L F 002.00 : HORIZON COMMUNITY DEVELOPM
- + 098L F 003.00 : MORRIS ROBERT L
- + 098L F 004.00 : DEAN DORIS F
- 098L F 005.00 : MARION MICHAEL J

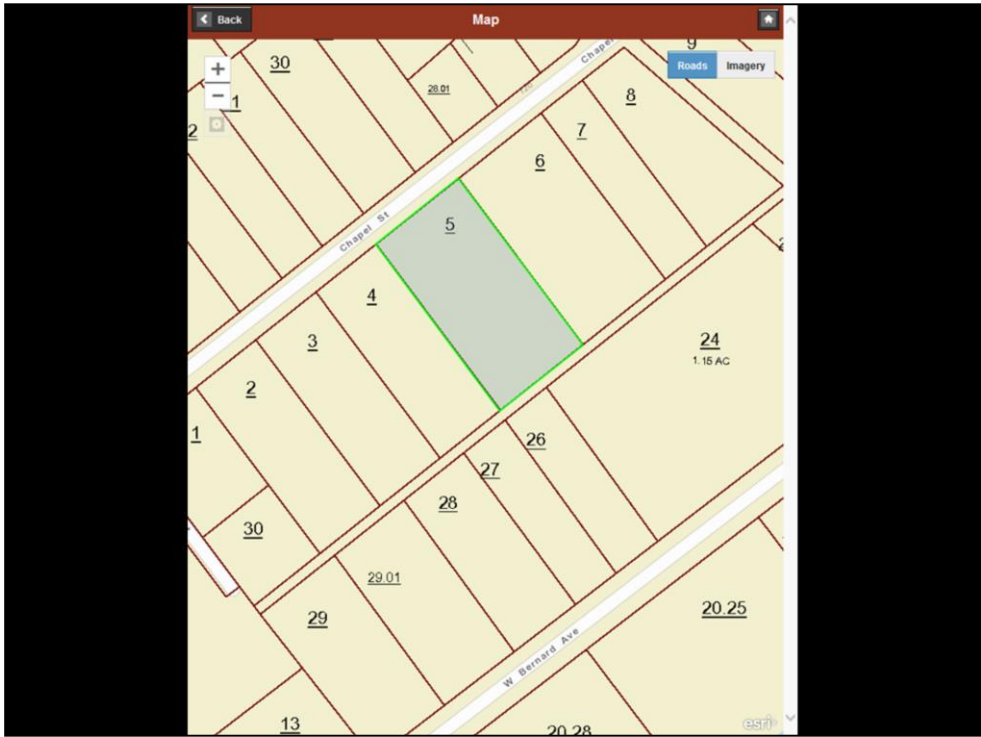
County:	Greene
Owner:	MARION MICHAEL J
Owner 2:	GLYNIS
Address:	CHAPEL ST 127
Parcel Number:	098L F 005.00
Deeded Acreage:	0
Calculated Acreage:	0
Subdivision:	LAKEVIEW
Subdivision Lot:	18

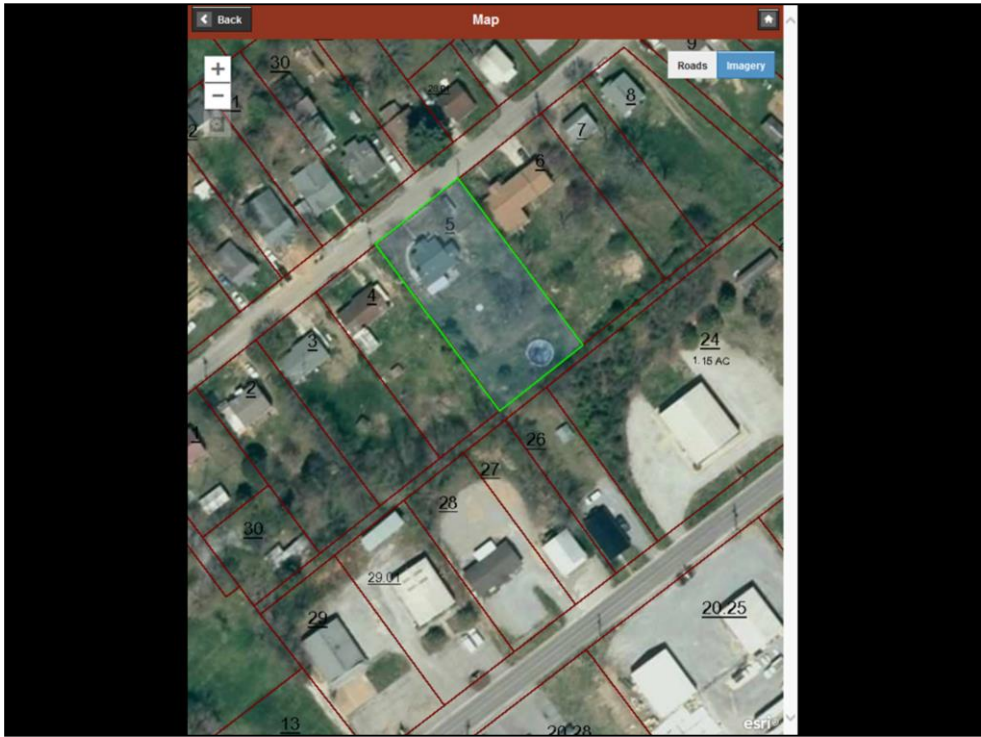
[View](#) the most up-to-date ownership and assessment information

[Questions](#) about this property?

View in Map

- + 098L F 006.00 : DEAN CHRISTINE A
- + 098L F 007.00 : LAWLOR JOHN
- + 098L F 008.00 : CRAWFORD STANLEY
- + 098L F 009.00 : GONZALEZ SALVADOR
- + 098L F 010.00 : MADRID JAMES O





Why Multiple Applications?

- Different needs for different audiences
- Applications focused to specific needs
- Location of usage (office vs. field vs. public)

Note: The age of the applications using the same spatial data may require the data to be in different formats





Conclusion

Using Tennessee's GIS and CAMA data together in multiple applications and providing it to multiple audiences is helping to make government work better.



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



Questions



<http://www.comptroller.tn.gov/pa/>

<http://www.comptroller.tn.gov/lg/>



21st Annual GIS/CAMA Technologies Conference • March 6–9, 2017 • Chattanooga, Tennessee



