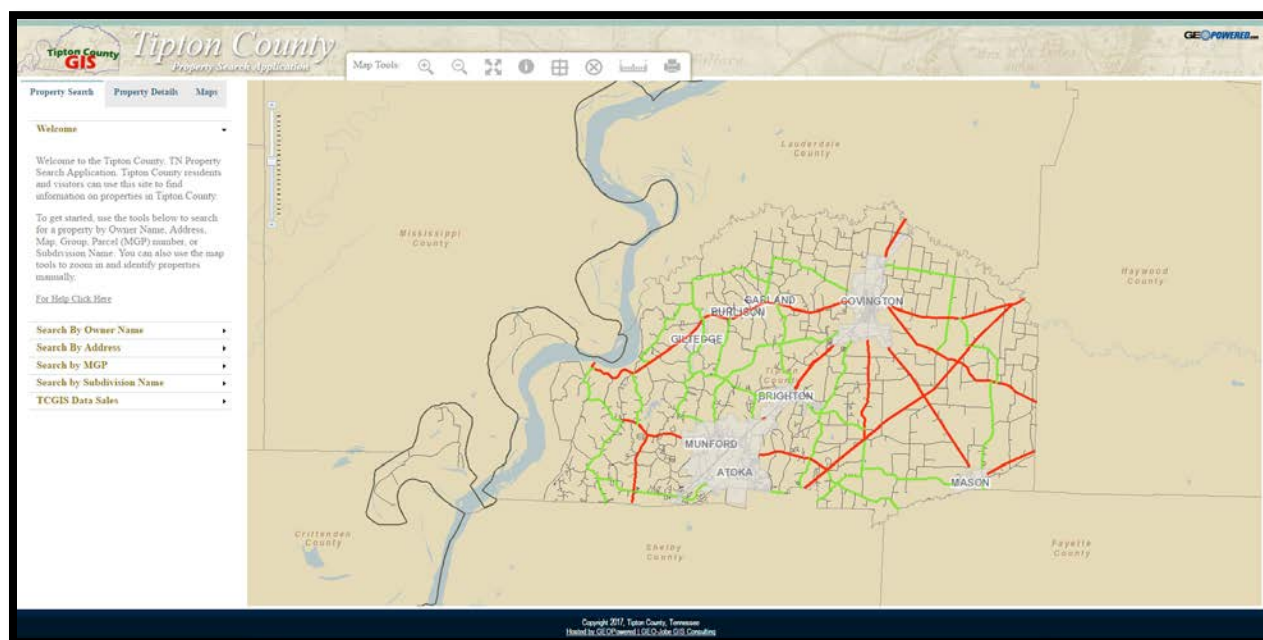


# Help Document for

<http://tiptontn.geopowered.com/PropertySearch/>

## GEOPowered by GEO-Jobe GIS Consulting

FEBRUARY 2017



*Step by step, how-to instructions for navigating and using the Tipton County GIS map viewer*

For more information contact Tipton County GIS at 901-476-0234 or sanderson@tiptonco.com

# Tipton County GIS

The Tipton County Assessor of Property makes every effort possible to produce the most accurate information. The parcels lines are for assessment purposes only. Tipton County GIS makes no warranty, express or implied, nor any guaranty as to the content, sequence, accuracy, timeliness or completeness of any of the information provided. Tipton County GIS explicitly disclaims all representations and warranties. The reader agrees to hold harmless Tipton County GIS for any cause of action and costs associated with any causes of action which arise as a consequence of Tipton County GIS providing this information. Reproduction of this view or data is prohibited without permission from Tipton County GIS.

## Overview

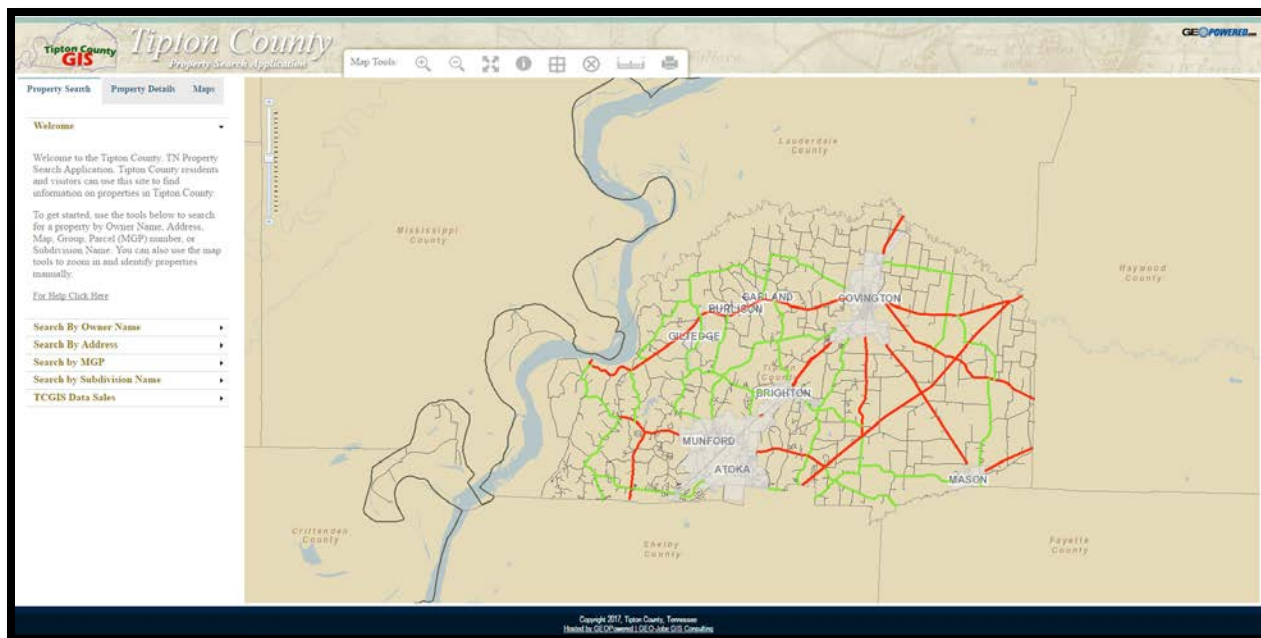
The TCGIS viewer is an Environmental Systems Research Institute (ESRI) based internet map portal created by GEO-Jobe GIS Consulting for TCGIS. Powered by ArcGIS for Server and the ArcGIS API for JavaScript, the Property Search application is your complete solution for exposing property and related assessment information to users outside local government. The site is intended to serve the general public's need for map based information in an efficient manner via the internet. It has been designed to be both intuitively easy to use yet highly functional. This document provides complete, step by step, how-to instructions for navigating and using the TCGIS viewer.

## TCGIS Data Sales

Tipton County is pleased to make certain GIS data products available for purchase. To view the GIS data products that are available for purchase, click the link below for more information.

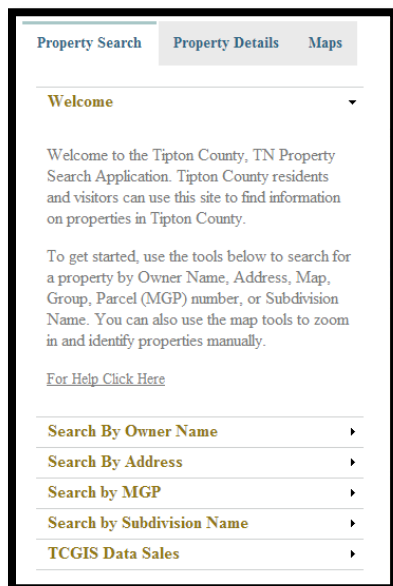
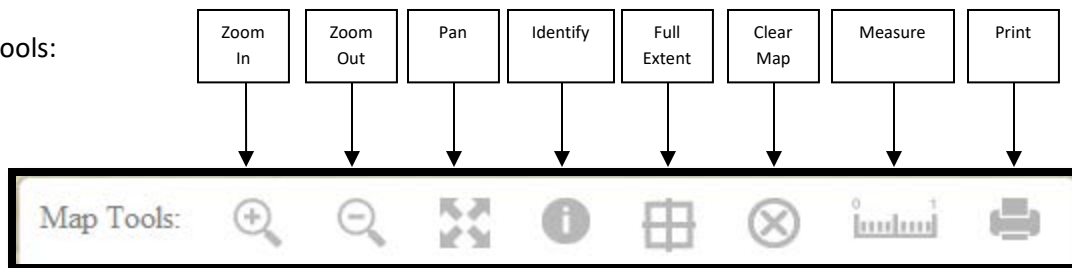
[http://www.tiptonco.com/document\\_center/TCGIS\\_Digital\\_Data\\_Order\\_Form.pdf](http://www.tiptonco.com/document_center/TCGIS_Digital_Data_Order_Form.pdf)

## Main Screen

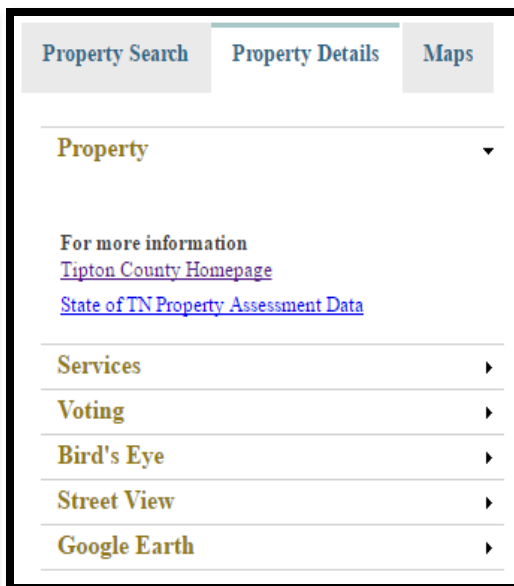


Upon first loading GEOPowered, you will see the following screen (click 'Accept' to activate the map).

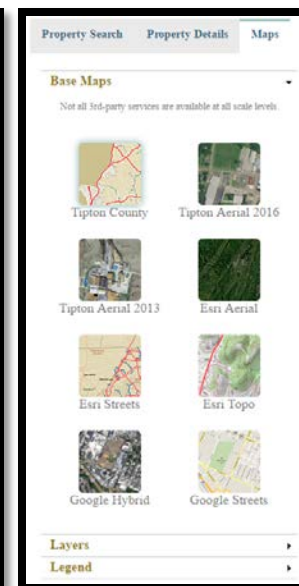
Map Tools:



Property Search Options




Details of Property

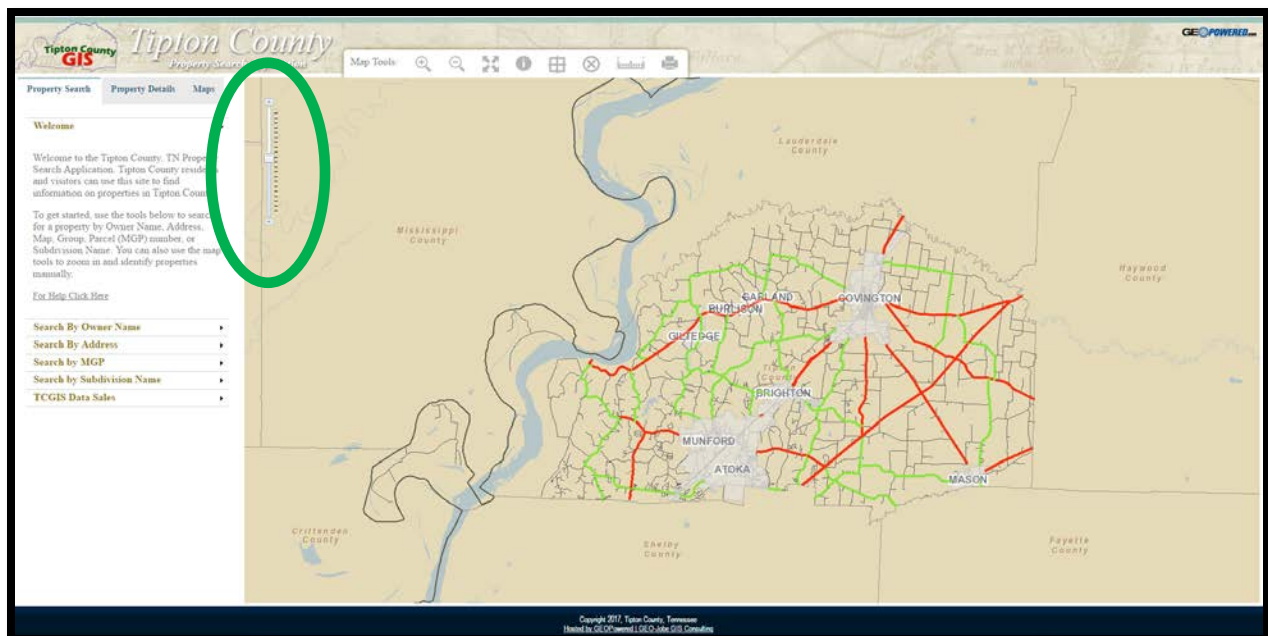


Base Map Backgrounds

For more information contact Tipton County GIS at 901-476-0234 or sanderson@tiptonco.com

## Section 1: Basic viewing & navigation tools

The default action for the cursor at this point is the Pan function, symbolized by the arrows (  ) on the white bar (Map Tools) at top of the viewer. The Pan allows the user to move around the map in any desired direction and at a constant scale just by left clicking (then holding) and then moving the mouse in the desired direction and then letting go of the button. Note that all icons can be 'moused over' (simply hold the cursor, without clicking, above an icon) to indicate their function:



There are 3 ways to zoom in and out of the map. First, the scroll wheel on your mouse will serve as a zoom tool, with a forward motion zooming in and backwards motion zooming out. In the upper left portion of the screen, there is a sliding zoom tool that can be clicked to move in and out highlighted in **green**. Also, in the Map Toolbar, the 3 icons highlighted in **red** below are the **Zoom In**, **Zoom Out** and **Zoom to Full Extent** buttons. The **Zoom In** tool allows the user to draw a box around a specific area and zoom straight to that area of interest. The **Zoom Out** tool will amplify the zoom out scale. The **Zoom to Full Extent** button zooms back to the original extent of the map.



## Section 2: Functions/Tools for Viewer

- Identify



In order to query parcels you may use the **Identify** icon on the Map Toolbar. This tool will select the parcel and pull up property details at the center and left hand side.

- Clear Map

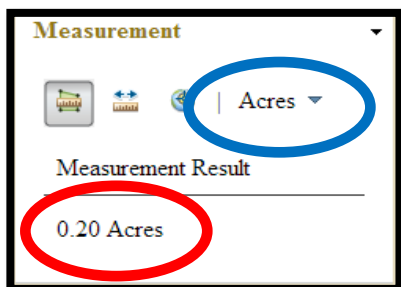


To clear any selected parcel or measure on the screen you may select the **Clear Map** icon on the Map Toolbar.

- Measure



The **Measure** icon allows the user to measure an area, distance or latitude/longitude location. The area default is acres, distance is feet and latitude/longitude is decimal degrees. The measurement will appear within the white box highlighted in **red**. The user can also change the units for whatever measurement as highlighted in **blue**.



- Print Map



To print a map of a property the user can select the **Print Map** icon. You can title your map if desired and then select 'Create Map' to generate the map. Please allow 10-15 seconds depending on the background used. Once completed select the 'Click to download your PDF' and another window will pop up. You can then print the map from the toolbar at the bottom.



### Section 3: Property Search

The mapping website allows the user to search and gather information for properties in Tipton County. To get started, you have the option to search for a property by Owner Name, Address, Map-Group-Parcel (MGP) number, or Subdivision Name.

The screenshot shows the 'Property Search' tab selected. Below the navigation tabs, there is a 'Welcome' section with a dropdown arrow. The text reads: 'Welcome to the Tipton County, TN Property Search Application. Tipton County residents and visitors can use this site to find information on properties in Tipton County. To get started, use the tools below to search for a property by Owner Name, Address, Map, Group, Parcel (MGP) number, or Subdivision Name. You can also use the map tools to zoom in and identify properties manually. For Help Click Here'. Below this, there are five search options, each with a right-pointing arrow: 'Search By Owner Name', 'Search By Address', 'Search by MGP', 'Search by Subdivision Name', and 'TCGIS Data Sales'.

Depending of which tool you select each one has an example within the boxes provided. When 'Searching by Owner Name' make sure to put the last name first. When 'Searching by Address' make sure to put the number first. Sometimes when you do a search you do not have to be exact with your information. The system will allow you to input partial data and return results for you to choose from.

The screenshot shows the 'Search By Owner Name' search results. The search input field contains 'anderson' and the 'Search' button is highlighted. Below the search bar, it says '81 results'. The results are listed in two columns:

<a href="#">ANDERSON &amp; ANDERSON LLC</a>	HOPE ST N 1111
<a href="#">ANDERSON A E JR</a>	ELM GROVE RD 3045
<a href="#">ANDERSON A E JR</a>	N OF GARLAND DETROIT RD
<a href="#">ANDERSON BOBBY K</a>	CHINKAPIN DR S 118
<a href="#">ANDERSON BOBBY L JR ETAL</a>	KING CIR 129
<a href="#">ANDERSON BOBBY LAMON SR</a>	OIL MILL RD 1828
<a href="#">ANDERSON BRANDY</a>	THORNHILL CV 37
<a href="#">ANDERSON BRIAN</a>	MELROSE RD 1555
<a href="#">ANDERSON DALE</a>	OXFORD DR 102
<a href="#">ANDERSON DANIEL S</a>	FORE LN 729

At the bottom right, there is a link for 'Next 10 results'.

The screenshot shows the 'Search By Address' search results. The search input field contains 'sterling ridge dr' and the 'Search' button is highlighted. Below the search bar, it says '46 results'. The results are listed in two columns:

<a href="#">STERLING RIDGE DR</a>	ATOKA'S STERLING RIDGE
<a href="#">STERLING RIDGE DR</a>	ATOKA'S STERLING RIDGE
<a href="#">STERLING RIDGE DR 104</a>	LAVERY DUANE EMMETT
<a href="#">STERLING RIDGE DR 152</a>	MILTON CLYDE E
<a href="#">STERLING RIDGE DR 18</a>	BROWN SHANNON LEE
<a href="#">STERLING RIDGE DR 201</a>	YARBRO MELISSA CAROL
<a href="#">STERLING RIDGE DR 212</a>	JARMON JOHN
<a href="#">STERLING RIDGE DR 226</a>	RUDOLPH ANTHONY W
<a href="#">STERLING RIDGE DR 23</a>	HILLEARY CURT
<a href="#">STERLING RIDGE DR 230</a>	NEVAREZ FRANK E

At the bottom right, there is a link for 'Next 10 results'.

For more information contact Tipton County GIS at 901-476-0234 or sanderson@tiptonco.com

Other options to search properties include the Map, Group, Parcel and by Subdivision. When searching by Map, Group, Parcel make sure to use the examples provided in order for the property to return. The **map number** must have at least **three (3)** characters and sometimes **four (4)** are required if a property is located within a subdivision. For example, if you have map 50 it would be '050' or if you map has a letter it would be '050a'. Some parcels have a **group** which is a letter. The **parcel number** is always **five (5)** characters in length. For example if you have parcel 1 it would be '001.00'.

**Search by MGP**

Map  Group  Parcel

**Search**

When you input a subdivision name the search will return properties that have your request. For example, you input 'Sterling Ridge' and 107 results are returned. You will notice the name and to the right a number. The number corresponds to the lot number of the property.

**Search by Subdivision Name**

**Search**

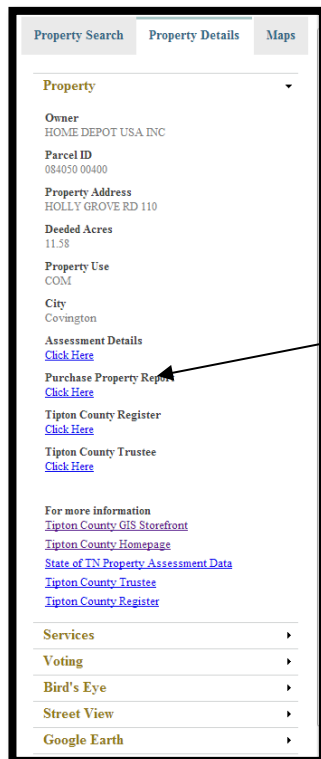
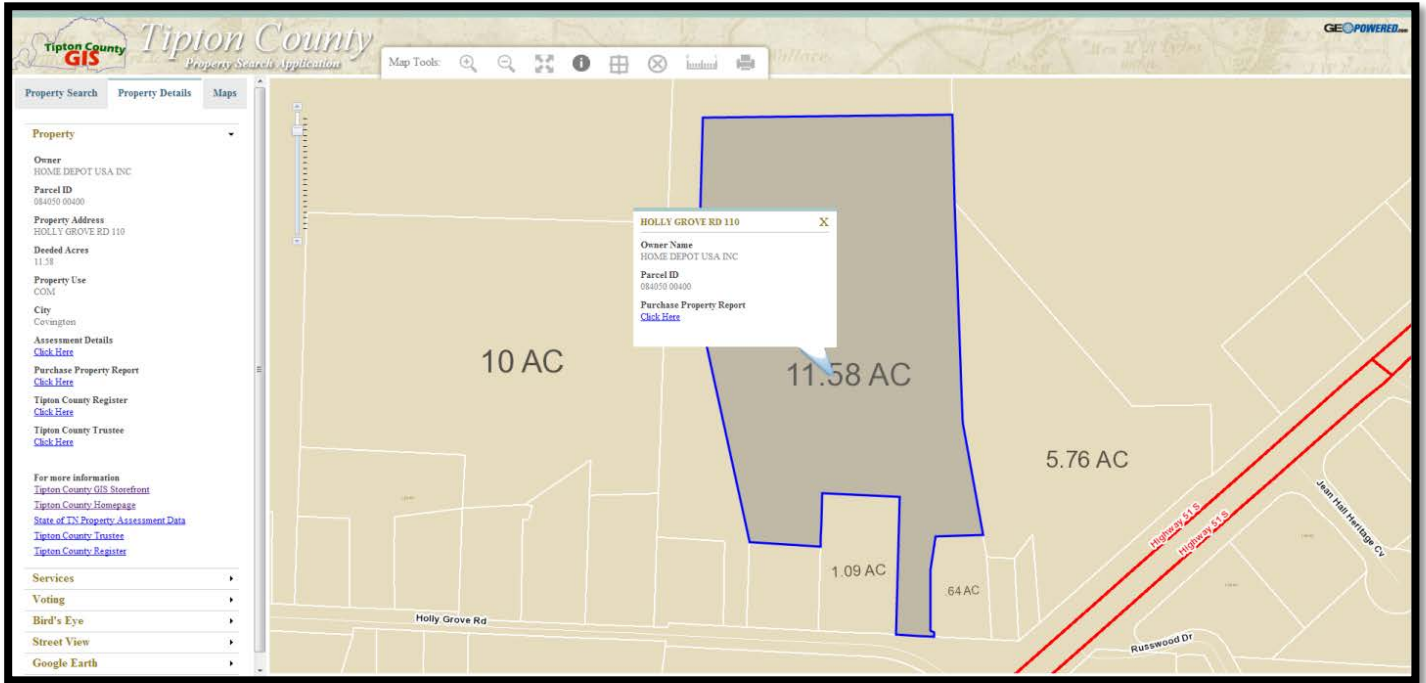
107 results

<a href="#">STERLING RIDGE PHASE III</a>	0084
<a href="#">STERLING RIDGE PHASE III</a>	0093
<a href="#">STERLING RIDGE PHASE III</a>	0098
<a href="#">STERLING RIDGE PHASE III</a>	0081
<a href="#">STERLING RIDGE PHASE III</a>	0109
<a href="#">STERLING RIDGE PHASE III</a>	0087
<a href="#">STERLING RIDGE PHASE III</a>	0108
<a href="#">STERLING RIDGE PHASE III</a>	0111
<a href="#">STERLING RIDGE PHASE III</a>	0090
<a href="#">STERLING RIDGE PHASE III</a>	0096

[Next 10 results](#)

## Section 4: Property Details

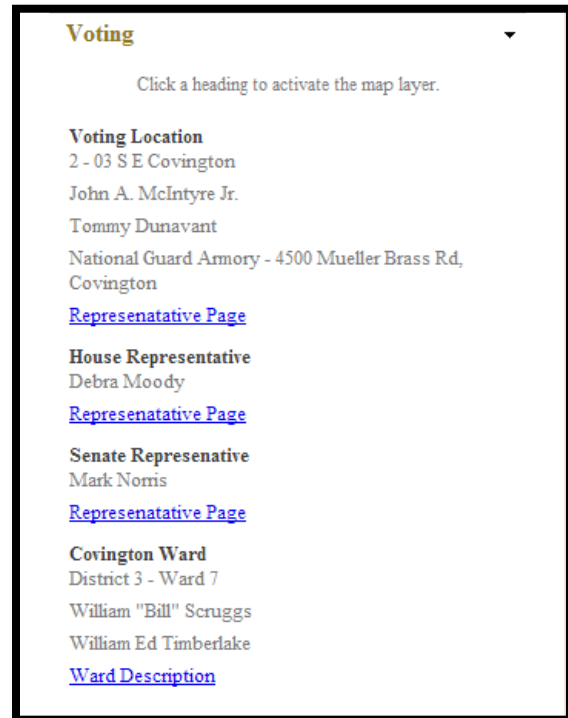
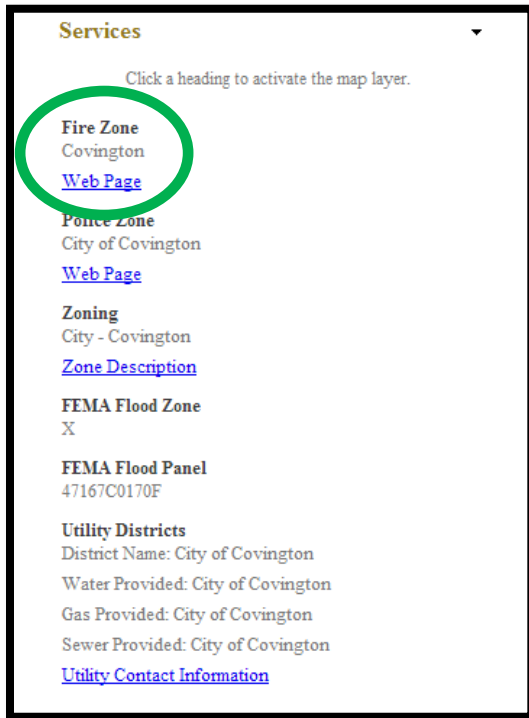
When the property is selected the system will return information about that property such as Owner, Parcel ID, Property Address, Deeded Acres, Property Use, City (if applicable) and links to Assessment Data, Purchase a Property Report, Tipton County Register and Tipton County Trustee.



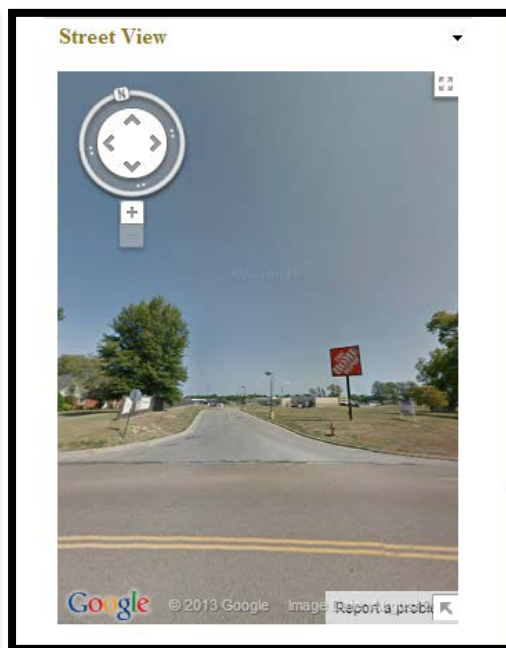
For more information contact Tipton County GIS at 901-476-0234 or sanderson@tiptonco.com



In addition to property information the user can select 'Services' and/or 'Voting' tabs. Each one will provide more detailed data about the property selected. Below are examples of each tab. The user may also activate a GIS layer by clicking the bold label as shown in green and click the blue URL for more information.



The user may also select tabs for 'Bird's Eye' or 'Street View' (if applicable).



## Section 5: Maps

The **Maps** tab offers the user a single point of access to mash-up geographic content from multiple sources. Users can view a variety of basemaps from Esri, Microsoft and their own GIS servers. There are also two more sections highlighted in **red** below where the user can view layers and a legend.

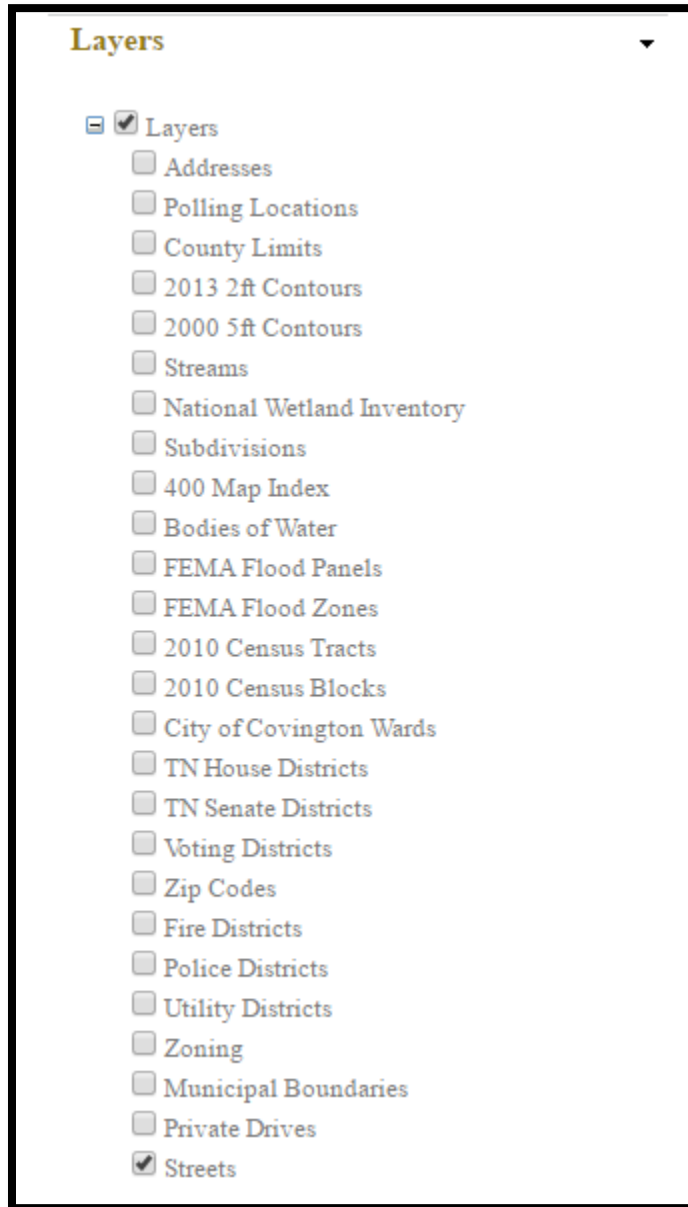
The screenshot shows a web application interface with three tabs: "Property Search", "Property Details", and "Maps". The "Maps" tab is active, displaying a "Base Maps" section. Below the "Base Maps" header, there is a note: "Not all 3rd-party services are available at all scale levels." The interface lists eight basemap options in a grid:

- Tipton County (Default Base Map Created by GEOJobe)
- Tipton Aerial 2016 (Tipton Aerial from Spring 2016 1 Meter Color (Will Turn OFF))
- Tipton Aerial 2013 (Tipton Aerial from February 2013, 9" Color)
- Esri Aerial (Aerial Service from ESRI)
- Esri Streets
- Esri Topo
- Google Hybrid (Tipton Aerial from Summer 2016 (Will NOT Print))
- Google Streets

At the bottom of the interface, there are two sections highlighted with a red circle: "Layers" and "Legend".

- **Layers**

Users are also able to turn ON or OFF layers of GIS Data within the 'Layers' section simply by putting a check into the box.



The image shows a screenshot of a web application's 'Layers' panel. The panel is titled 'Layers' in a gold font at the top left. Below the title is a list of 25 GIS data layers, each with a small square checkbox to its left. The 'Layers' header itself has a checked checkbox and a minus sign icon. The layers listed are: Addresses, Polling Locations, County Limits, 2013 2ft Contours, 2000 5ft Contours, Streams, National Wetland Inventory, Subdivisions, 400 Map Index, Bodies of Water, FEMA Flood Panels, FEMA Flood Zones, 2010 Census Tracts, 2010 Census Blocks, City of Covington Wards, TN House Districts, TN Senate Districts, Voting Districts, Zip Codes, Fire Districts, Police Districts, Utility Districts, Zoning, Municipal Boundaries, Private Drives, and Streets. The 'Streets' layer at the bottom of the list has a checked checkbox.

Layer Name	Checked
Layers	Yes
Addresses	No
Polling Locations	No
County Limits	No
2013 2ft Contours	No
2000 5ft Contours	No
Streams	No
National Wetland Inventory	No
Subdivisions	No
400 Map Index	No
Bodies of Water	No
FEMA Flood Panels	No
FEMA Flood Zones	No
2010 Census Tracts	No
2010 Census Blocks	No
City of Covington Wards	No
TN House Districts	No
TN Senate Districts	No
Voting Districts	No
Zip Codes	No
Fire Districts	No
Police Districts	No
Utility Districts	No
Zoning	No
Municipal Boundaries	No
Private Drives	No
Streets	Yes

**LAYERS ON MAPPING WEBSITE**

**Addresses** – 911 point addresses for Tipton County

**Polling Locations** – Points of current Polling Locations for Elections

**County Limits** – Polygon outlining County Limits

**2013 2ft Contours** – Contour lines at 2ft intervals, created from Spring 2013 LiDAR

**2000 5ft Contours** – Contour lines at 5ft intervals, created from a February 2000 flight

**Streams** – Creek lines from tax maps; digitized from February 2000 aerial photos

**National Wetland Inventory** – Wetlands in Tipton County provided by the Fish and Wildlife Service

**Subdivisions** – All major subdivisions within Tipton County (scale dependent)

**400 Index** – Index map for 400ft tax maps

**Bodies of Water** – Lake and river polygons from tax maps (scale dependent)

**FEMA Flood Panels** – 2009 flood panel zones from FEMA's DFIRMS data

**FEMA Flood Zones** – 2009 flood zones from FEMA's DFIRMS data

**2010 Census Tracts** – 2010 Census Tract graphic and demographic data

**2010 Census Blocks** – 2010 Census Block Group graphic and demographic data

**City of Covington Wards** – City of Covington election wards

**TN House District** – District boundaries for TN House

**TN Senate District** – District boundaries for TN Senate

**Voting Districts** – Voting precinct boundaries

**Zip Codes** – Zip code boundaries obtained from GDT, Inc.

**Fire Districts** – Fire District boundaries for Tipton County

**Police Districts** – Police District boundaries for Tipton County

**Utility Districts** – Utility Districts within Tipton County including contact information

**Zoning** – County zoning, excluding all cities and city regional areas

**Municipal Boundaries** – City limits from tax maps, updated monthly when needed

**Private Drives** – Roads that are NOT on the County Road list

**Streets** – Roads and Streets based on the Tipton County Road Plan

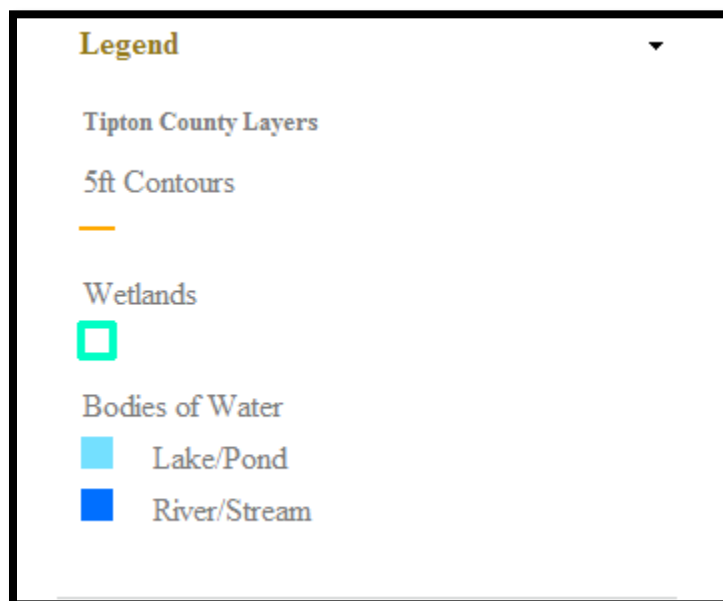
## LAYERS THAT ARE IN SYSTEM BUT YOU CAN'T TURN ON OR OFF

**Parcel Layers** – Group layer containing parcel related layers (updated monthly)

- Land\_Hook – Lines showing parcel hooks
- Acreage\_Anno - Text showing parcel acreage from 100ft and 400ft tax maps
- Parcel\_Anno - Text showing parcel numbers from 100ft and 400ft tax maps
- Parcel\_Dim\_Anno - Text showing parcel dimensions from 100ft and 400ft tax maps
- Parcels - Parcel boundaries maintained by Tipton County's Assessor's Office

- **Legend**

At the bottom, there is a 'Legend' section which will display cartographic description of the data.



If you have any questions or comments about the mapping website please contact:

**Shawn Anderson, GISP** | Director  
 Tipton County Government | GIS Department  
 MAGIC Board Director | [www.midsouthgis.org](http://www.midsouthgis.org)

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 Office: 901.476.0234 | Fax: 901.476.0225 | Cell: 901.258.0153  
[sanderson@tiptonco.com](mailto:sanderson@tiptonco.com) | [www.tiptonco.com](http://www.tiptonco.com)

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