

MapServer - County Map Viewer

An introduction to *MapServer - County Map Viewer*

**A free internet browser based map
viewing program**

Map Tools:

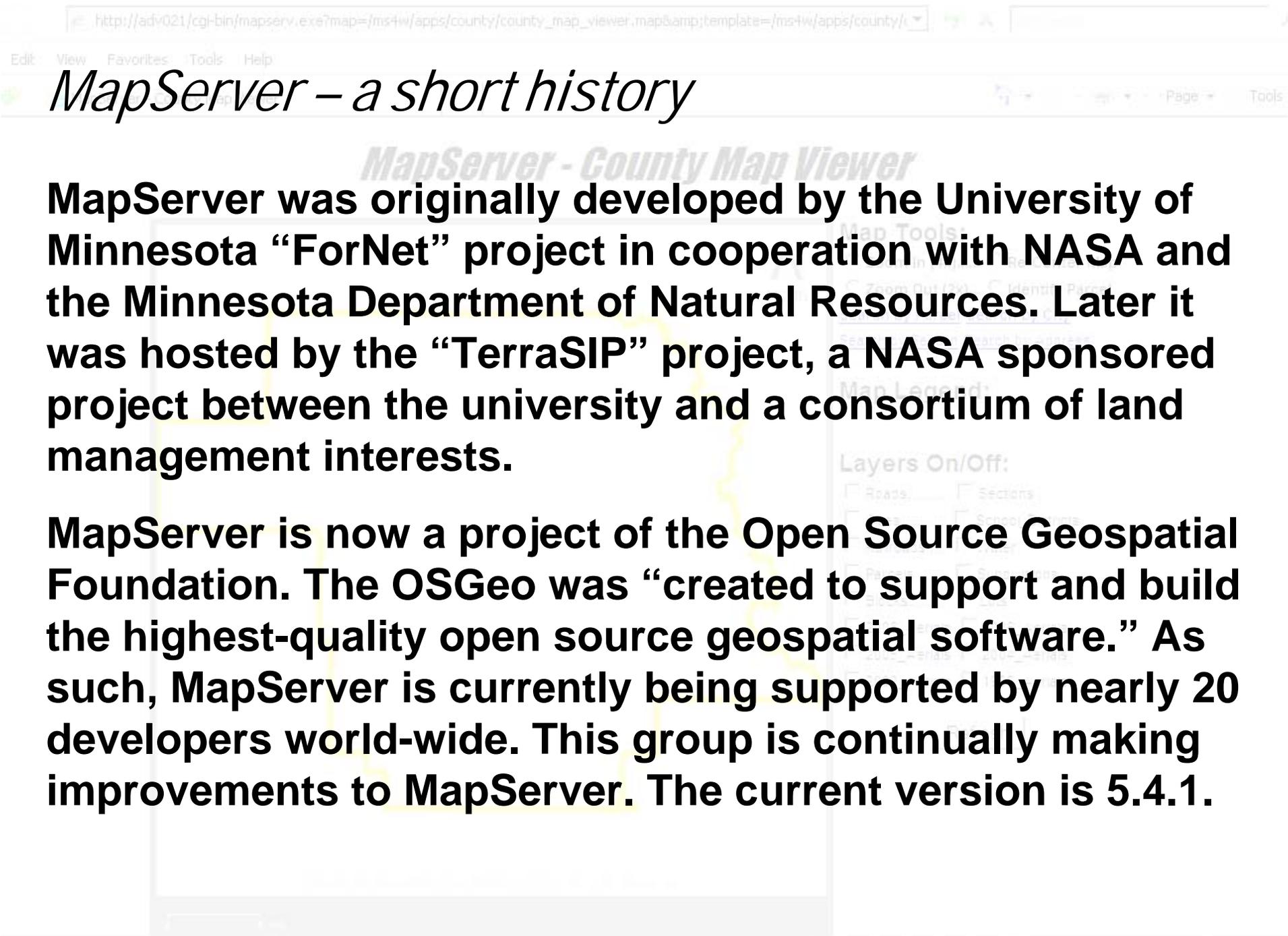
Zoom In (4x)..... Re-Center Map
 Zoom Out (2x).... Identify Parcel
[Search by Parcel](#) [Search by City](#)
[Search by Section](#) [Search by Address](#)

Map Legend:

Layers On/Off:

Roads..... Sections
 Cities..... School_Districts
 Railroads.... Water
 Subdivisions
 Blocks..... Lots
 2008_Aerials 2006_Aerials
 2005_Aerials 2004_Aerials
 2003_Aerials 1995_Aerials

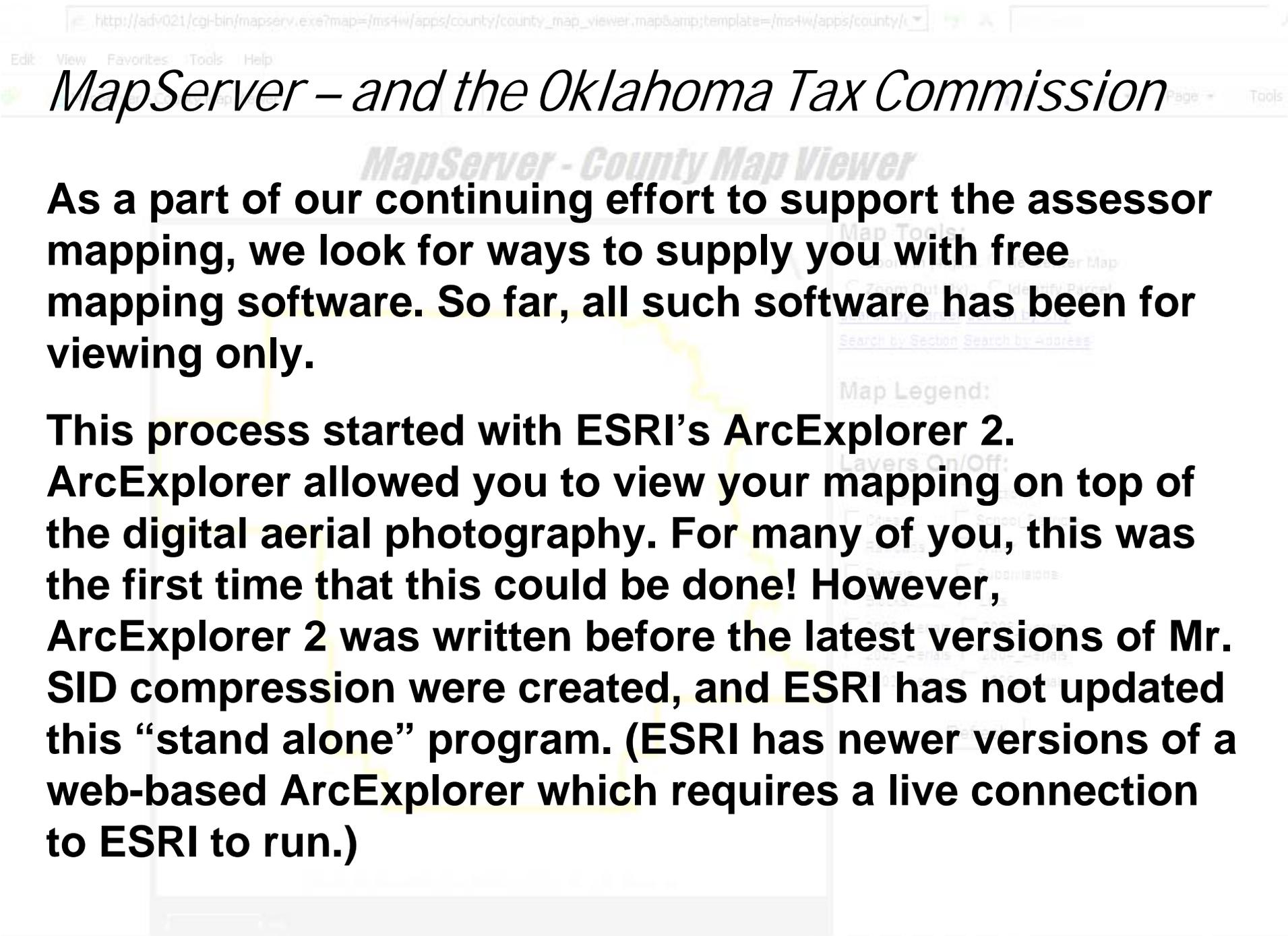
Refresh



MapServer – a short history

MapServer was originally developed by the University of Minnesota “ForNet” project in cooperation with NASA and the Minnesota Department of Natural Resources. Later it was hosted by the “TerraSIP” project, a NASA sponsored project between the university and a consortium of land management interests.

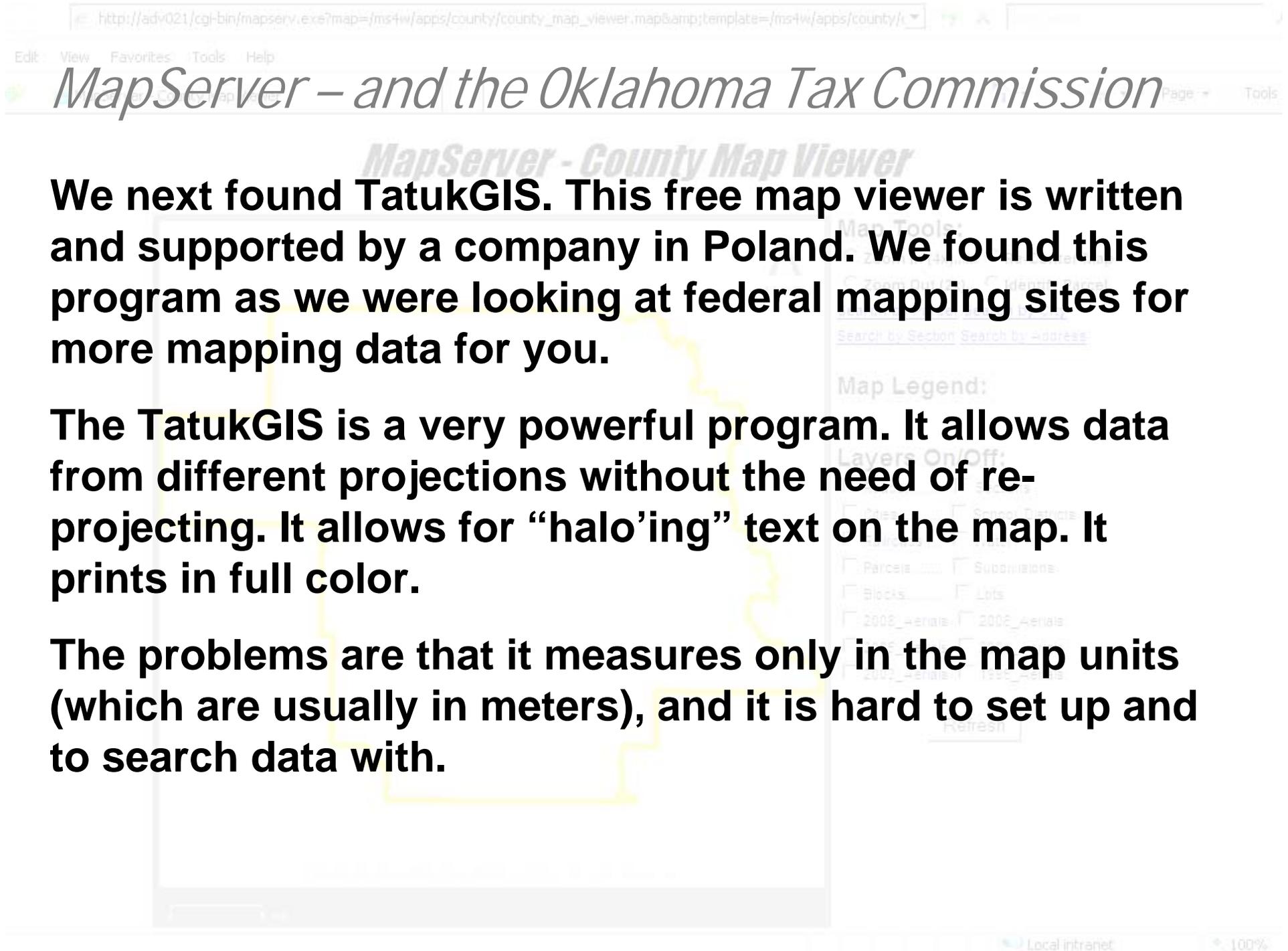
MapServer is now a project of the Open Source Geospatial Foundation. The OSGeo was “created to support and build the highest-quality open source geospatial software.” As such, MapServer is currently being supported by nearly 20 developers world-wide. This group is continually making improvements to MapServer. The current version is 5.4.1.



MapServer – and the Oklahoma Tax Commission

As a part of our continuing effort to support the assessor mapping, we look for ways to supply you with free mapping software. So far, all such software has been for viewing only.

This process started with ESRI's ArcExplorer 2. ArcExplorer allowed you to view your mapping on top of the digital aerial photography. For many of you, this was the first time that this could be done! However, ArcExplorer 2 was written before the latest versions of Mr. SID compression were created, and ESRI has not updated this "stand alone" program. (ESRI has newer versions of a web-based ArcExplorer which requires a live connection to ESRI to run.)



We next found TatumGIS. This free map viewer is written and supported by a company in Poland. We found this program as we were looking at federal mapping sites for more mapping data for you.

The TatumGIS is a very powerful program. It allows data from different projections without the need of re-projecting. It allows for “halo’ing” text on the map. It prints in full color.

The problems are that it measures only in the map units (which are usually in meters), and it is hard to set up and to search data with.

MapServer – and the Oklahoma Tax Commission

MapServer - County Map Viewer

We had found MapServer a few years ago, but we had a hard time doing anything with it. With the issues of ArcExplorer's poor color printing and its inability to use the 2005, 2006, and 2008 aerials and TatumGIS lack of easy of use, we revisited MapServer.

It seemed that a cloud was lifted, everything seemed to be so easy. MapServer wasn't as hard to understand as it had been just a couple of years previously. It was easy to customize and install. As a result, here is

MapServer – County Map Viewer

MapServer - County Map Viewer



Map Tools:

- Zoom In (4x).....
 - Re-Center Map
 - Zoom Out (2x)...
 - Identify Parcel
- [Search by Parcel](#) [Search by City](#)
[Search by Section](#) [Search by Address](#)

Map Legend:

Layers On/Off:

- Roads.....
- Sections
- Cities.....
- School_Districts
- Railroads.....
- Water
- Parcels.....
- Subdivisions
- Blocks.....
- Lots
- 2008_Aerials
- 2006_Aerials
- 2005_Aerials
- 2004_Aerials
- 2003_Aerials
- 1995_Aerials

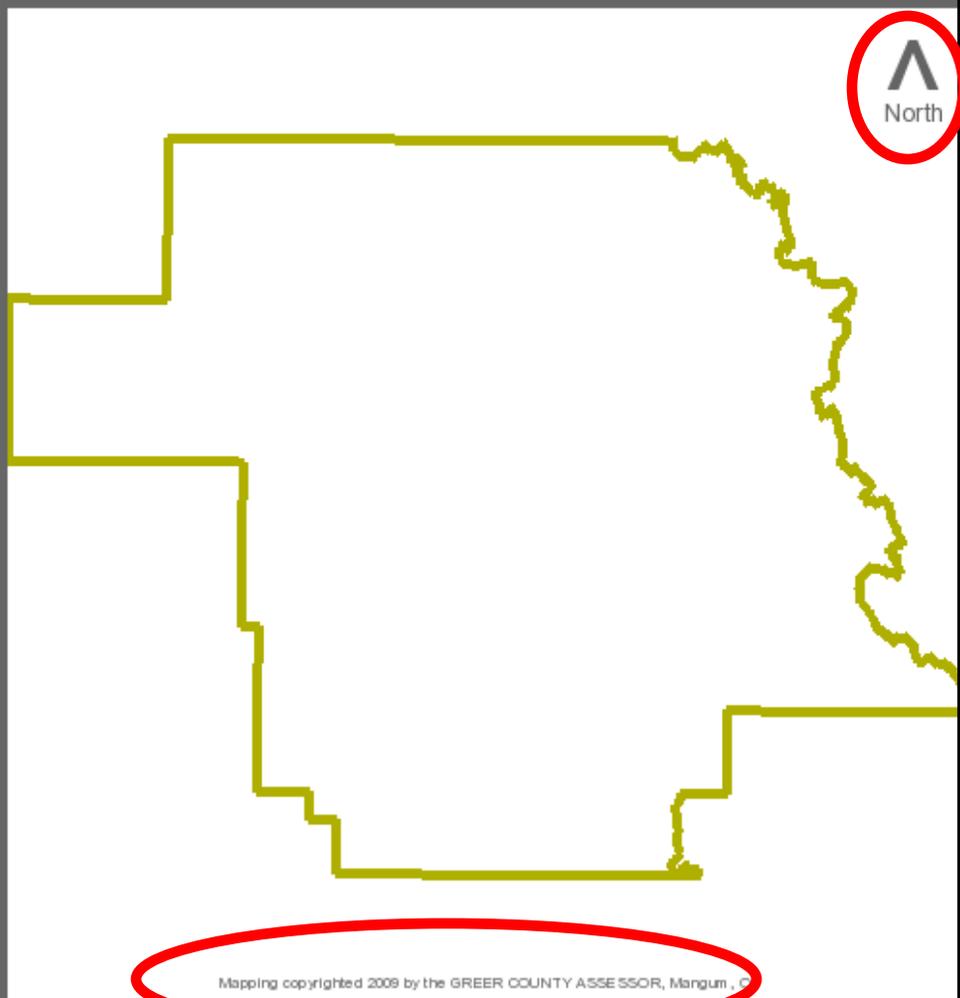
Refresh

http://adv021/cgi-bin/mapserv.exe?map=/ms4w/apps/county/county_map_viewer.map&template=/ms4w/apps/county/c

File Edit View Favorites Tools Help

MapServer - County Map Viewer

MapServer - County Map Viewer



North

Mapping copyrighted 2009 by the GREER COUNTY ASSESSOR, Mangum, O

0 5 mi

Done

Live Search

Page Tools

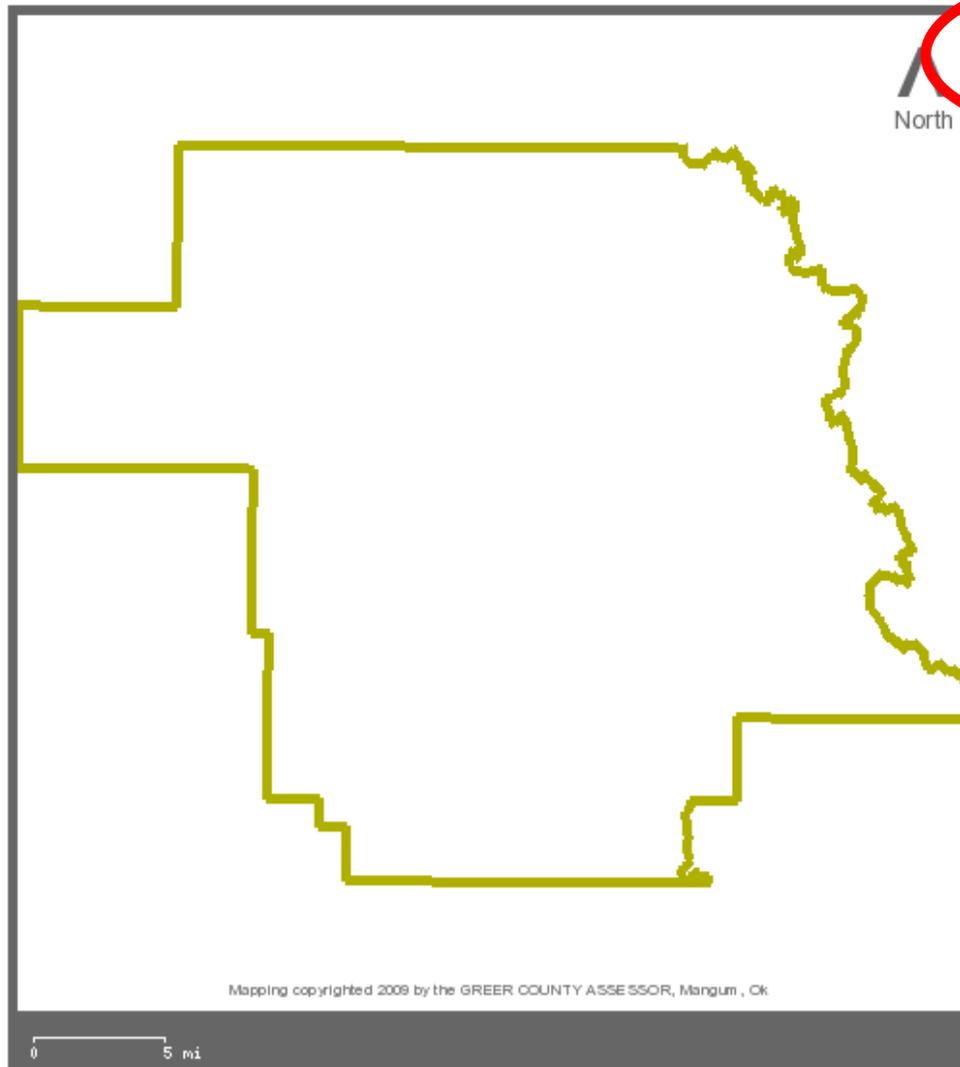
The north arrow and county copyright are embedded in the map itself. There is no way of saving the whole map without that text.

The link to the University of Minnesota Regents explains their copyrights. It will work as long as the computer has an internet connection.

The link to the Ad Valorem Division goes to our main webpage on the OTC site. It will work as long as the computer has an internet connection.

Outside of these two links, nothing is using any outside sources. The rest of the viewer is "in-house"!

MapServer - County Map Viewer



Map Tools:

- Zoom In (4x).....
- Re-Center Map
- Zoom Out (2x)...
- Identify Parcel

Click on a “Map Tool” and then on the map.

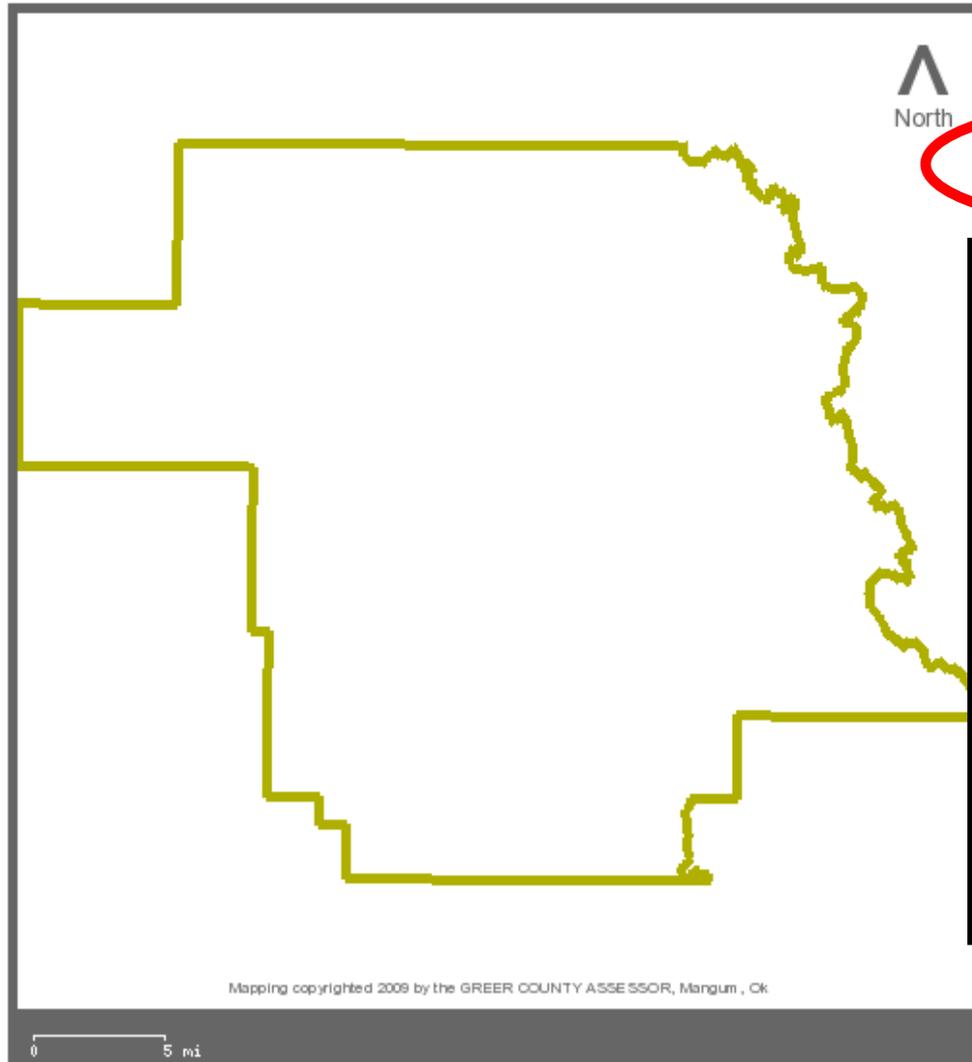
“Zoom in (4x)” will zoom the map to the area you click on the map 400%.

“Zoom Out (2x)” will zoom the map out from the area you click on the map 200%.

“Re-center Map” will move the map making the point you click on the new center.

“Identify Parcel” will highlight the parcel clicked on and display the resulting information about it in an area under the map.

MapServer - County Map Viewer



Map Tools:

- Zoom In (4x).....
- Re-Center Map
- Zoom Out (2x)...
- Identify Parcel
- [Search by Parcel](#)
- [Search by City](#)
- [Search by Section](#)
- [Search by Address](#)

Click on the "Search by..." tools to search by parcel id, city name, section number, or street address.

Each of these links will pull up a data entry bock with an example of something to search by.

All of these searches are based on the mapping in your office, not what is on Google, Yahoo, etc.

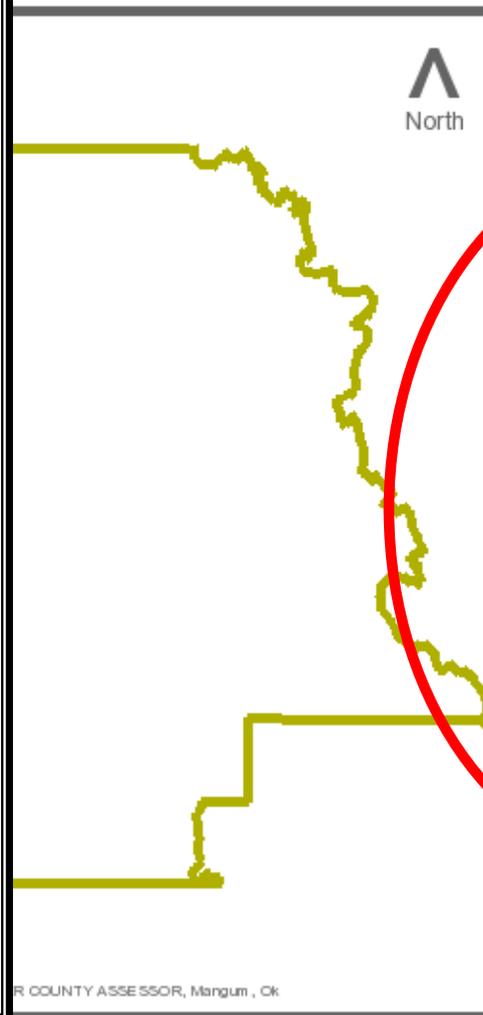
MapServer - County Map Viewer

The "Map Legend" only displays what is turned on (excluding the county boundary which is always on).

Click on the check box to the left of each layer to turn it on or off (a check in the box would mean on, a blank box would mean off).

No changes will take affect until the map is zoomed in or out, re-centered, or the "Refresh" button is clicked.

Most of the layers have scales set to prevent them from showing if the map is zoomed too far out. Just zoom in and, if the boxes are checked, the layers will appear.



Map Tools:

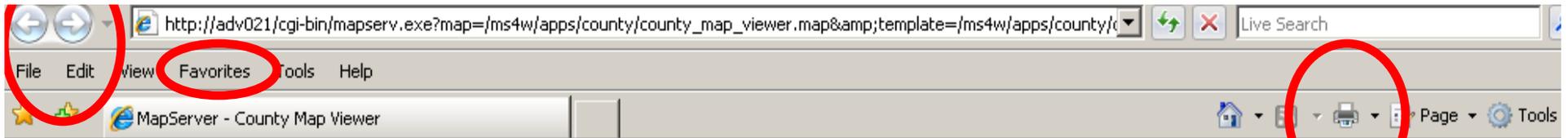
- Zoom In (4x).....
- Re-Center Map
- Zoom Out (2x)...
- Identify Parcel
- [Search by Parcel](#) [Search by City](#)
- [Search by Section](#) [Search by Address](#)

Map Legend:

Layers On/Off:

- Roads.....
- Sections
- Cities.....
- School_Districts
- Railroads.....
- Water
- Parcels.....
- Subdivisions
- Blocks.....
- Lots
- 2008_Aerials
- 2006_Aerials
- 2005_Aerials
- 2004_Aerials
- 2003_Aerials
- 1995_Aerials

Refresh



MapServer - County Map Viewer

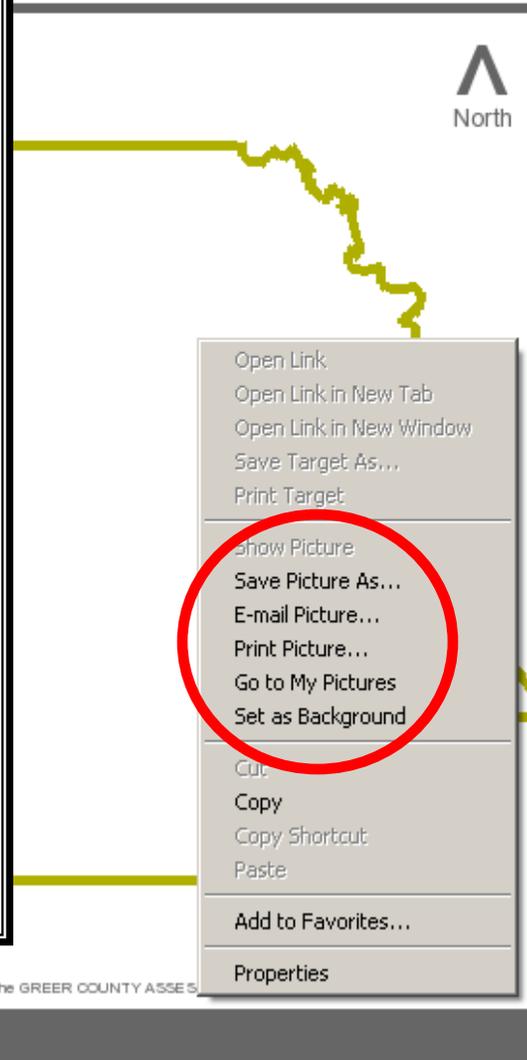
To print the map, just go to “File” and “Print” or hit the browser print button!

If you get an error for any reason, just hit the “back” arrow on the browser and try again!

If you end up with a map that you want to save (for any reason), just go to “Favorites” and save it as a “favorite”!

If you want to export the page itself into anything, just right-click on the map and click on “Save picture as”!

Have fun with it!!!!!!!!!!!!!!



Map Tools:

- Zoom In (4x).....
 - Re-Center Map
 - Zoom Out (2x)...
 - Identify Parcel
- [Search by Parcel](#) [Search by City](#)
[Search by Section](#) [Search by Address](#)

Map Legend:

Layers On/Off:

- Roads.....
- Sections
- Cities.....
- School_Districts
- Railroads.....
- Water
- Parcels.....
- Subdivisions
- Blocks.....
- Lots
- 2008_Aerials
- 2006_Aerials
- 2005_Aerials
- 2004_Aerials
- 2003_Aerials
- 1995_Aerials

Refresh

Mapping copyrighted 2008 by the GREER COUNTY ASSES...

0 5 mi

Local intranet

100%

MapServer - County Map Viewer

After clicking on “Search by Parcel” on the main map screen, you are taken to the parcel search screen.

Here, you can type in a full parcel id number and click the “Search” button or choose the “Identify a Parcel” option and click on the map.

Either way, the resulting parcel is highlighted, the map is zoomed to its location and the resulting parcel information is displayed in the area under the map.

Click on the “Return to Main Map” when you are ready to return.



Map Tools:

[Return to Main Map](#)

- Identify a Parcel
- Search by Parcel (Ex: 0000-11-006-022-1-001-00)

Search

Map Legend:

- Interstate
- Highway
- Roads
- Railroads
- Parcels
- 2008_Aerials

Layers On/Off:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Roads..... | <input type="checkbox"/> Sections |
| <input type="checkbox"/> Cities..... | <input type="checkbox"/> School_Districts |
| <input checked="" type="checkbox"/> Railroads..... | <input type="checkbox"/> Water |
| <input checked="" type="checkbox"/> Parcels..... | <input type="checkbox"/> Subdivisions |
| <input type="checkbox"/> Blocks..... | <input type="checkbox"/> Lots |
| <input checked="" type="checkbox"/> 2008_Aerials | <input type="checkbox"/> 2006_Aerials |
| <input type="checkbox"/> 2005_Aerials | <input type="checkbox"/> 2004_Aerials |
| <input type="checkbox"/> 2003_Aerials | <input type="checkbox"/> 1995_Aerials |

MapServer - County Map Viewer

After clicking on “Search by Section” on the main map screen, you are taken to the section search screen.

Here, you type in a full section – township - range number and click the “Search” button.

!!!!Remember to type in the section number in the same format as the example!!!!

The resulting section is highlighted, the map is zoomed to its location and the resulting section information is displayed in the area under the map.

Click on the “Return to Main Map” when you are ready to return.



Map Tools:

[Return to Main Map](#)

Search by Section (Ex: 9-T5N-R22W)

Search

Map Legend:

- Interstate
- Highway
- Roads
- Railroads
- Parcels
- 2008_Aerials

Layers On/Off:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Roads..... | <input checked="" type="checkbox"/> Sections |
| <input type="checkbox"/> Cities..... | <input type="checkbox"/> School_Districts |
| <input checked="" type="checkbox"/> Railroads..... | <input type="checkbox"/> Water |
| <input checked="" type="checkbox"/> Parcels..... | <input type="checkbox"/> Subdivisions |
| <input type="checkbox"/> Blocks..... | <input type="checkbox"/> Lots |
| <input checked="" type="checkbox"/> 2008_Aerials | <input type="checkbox"/> 2006_Aerials |
| <input type="checkbox"/> 2005_Aerials | <input type="checkbox"/> 2004_Aerials |
| <input type="checkbox"/> 2003_Aerials | <input type="checkbox"/> 1995_Aerials |

MapServer - County Map Viewer

After clicking on “Search by City” on the main map screen, you are taken to the city search screen.

Here, you type in a city name and click the “Search” button.

!!!!Remember to type in the City as upper case letter followed by all lower cased as in the example!!!!

The resulting city is highlighted, the map is zoomed to its location and the resulting city information is displayed in the area under the map.

Click on the “Return to Main Map” when you are ready to return.

Map Tools:
[Return to Main Map](#)
Search by City (Ex: Mangum)

Map Legend:
Interstate
Highway
Roads
Railroads

North

Island and Pacific

Missouri-Kansas-Texas Railroad

283

E1510

N1930

N2000

the GREER COUNTY ASSESSOR, Mangum, Ok

The cities searchable are actual incorporated cities only. If we are missing one, let me know (Troy Frazier, OTC, (405) 319-8200).

We are mapping and tracking cities for sales tax collection and the State Election Board and Department of Transportation use our data as well.

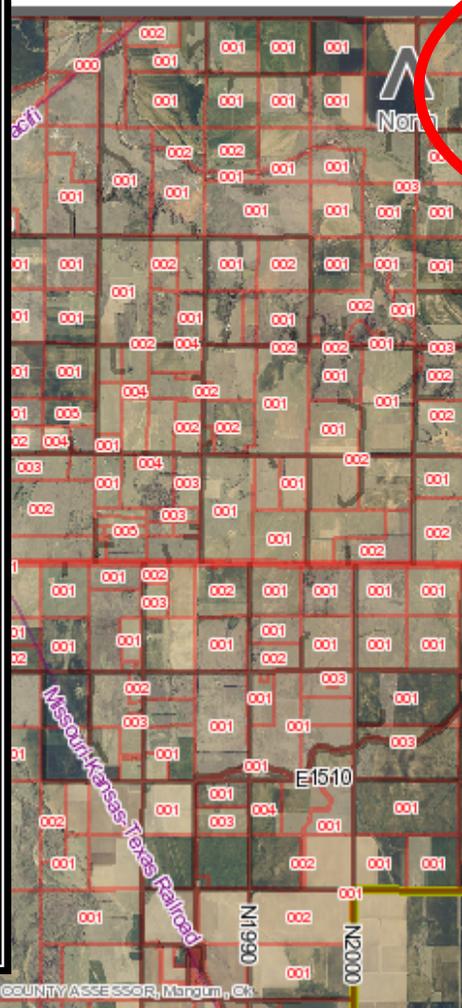
MapServer - County Map Viewer

After clicking on "Search by Address" on the main map screen, you are taken to the address search screen.

Here, you type in a street name surrounded by quotes and click the "Search" button.

!!!!Remember to type in the street name as upper case letter followed by all lower cased as in the example!!!!

A new screen showing all the block ranges and zip codes available for that street. Choose which one and click on the button directly above it to return to the main map.



Map Tools:

[Return to Main Map](#)

Search by Street Name (Ex: "Main")(use quotes!)

Search

Map Legend:

- Interstate
- Highway
- Roads
- Railroads
- Parcels
- 2008_Aerials

Layers On/Off:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Roads..... | <input checked="" type="checkbox"/> Sections |
| <input type="checkbox"/> Cities..... | <input type="checkbox"/> School_Districts |
| <input checked="" type="checkbox"/> Railroads..... | <input type="checkbox"/> Water |
| <input checked="" type="checkbox"/> Parcels..... | <input type="checkbox"/> Subdivisions |
| <input type="checkbox"/> Blocks..... | <input type="checkbox"/> Lots |
| <input checked="" type="checkbox"/> 2008_Aerials | <input type="checkbox"/> 2006_Aerials |
| <input type="checkbox"/> 2005_Aerials | <input type="checkbox"/> 2004_Aerials |
| <input type="checkbox"/> 2003_Aerials | <input type="checkbox"/> 1995_Aerials |



MapServer – in conclusion

MapServer can give all your computers map viewing capability with installation on one computer. Any computer connected to your network can access this mapping (public view stations, computers in connected offices like treasurers or county clerks). It is even possible to share this viewer directly to the internet.

MapServer actually only runs on the computer it is installed on. It creates pictures and “servers” them up through the browser. At no time is any other computer getting direct access to your actual mapping layers!

Unfortunately, MapServer can not use MIMS or dxf layers. We are working on a free dxf to shapefile converter.

Remember, MIMS counties always have the option of buying Dr. Paul Bendt’s MIM2SHP conversion program.