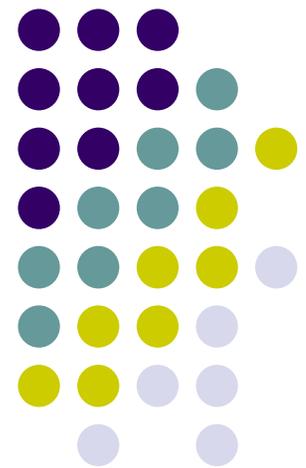


ESRI DS MAPBOOK

An Introduction & Overview

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Florence County GIS
November 12th, 2008



About DS Mapbook



- Free Download
- Creates Multiple Map Pages to form a Map Series at the click of the mouse.

Most up-to-date Version

- Go to Google Code at

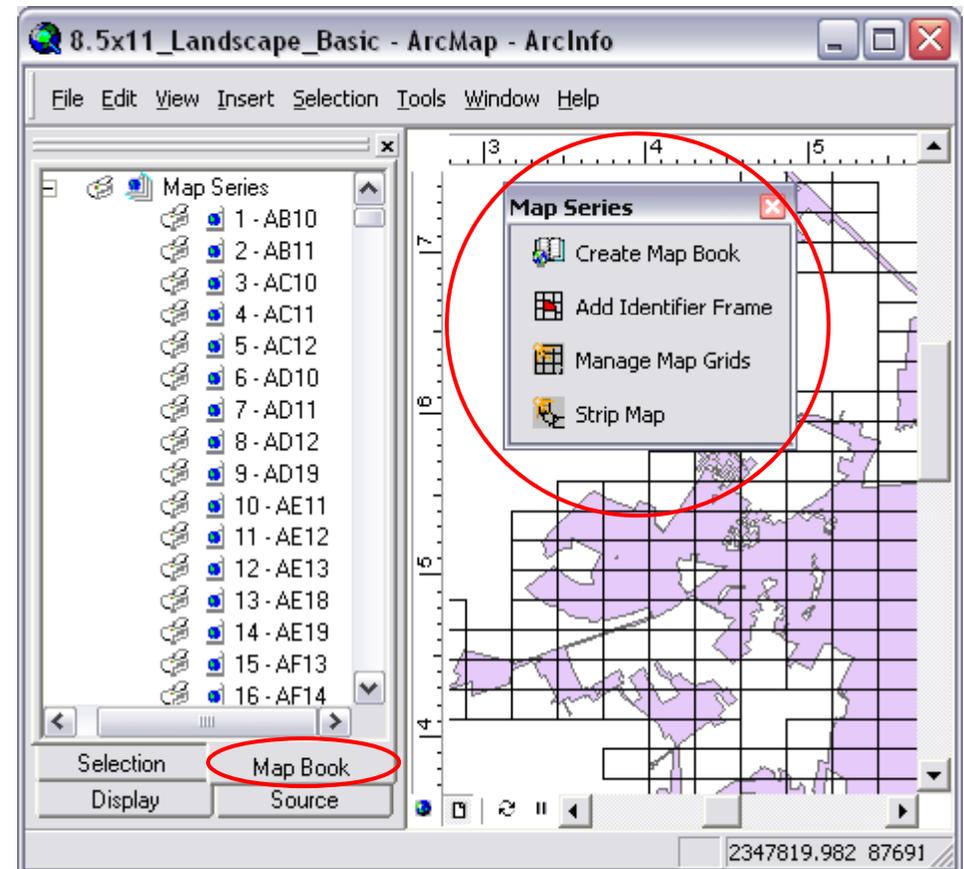
<http://code.google.com>

Search for **arcmapbook**

To install:

Double Click on the Install.bat file

(Make sure you are an administrator or have admin privileges on your computer)



In Order to Begin Creating Map Series...



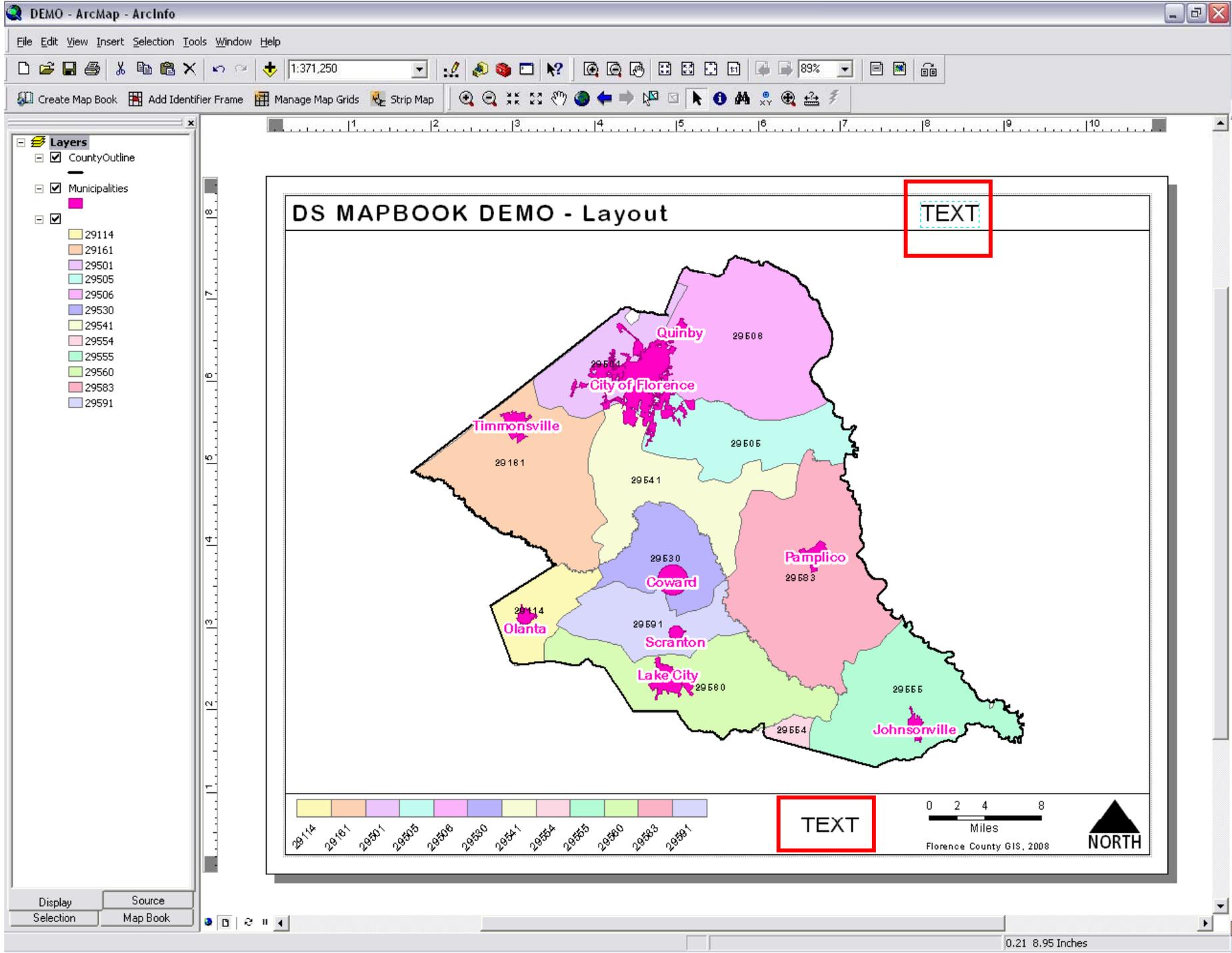
You will need to Prepare:

- A Map Page Layout
- An Index Grid

Map Page Layout

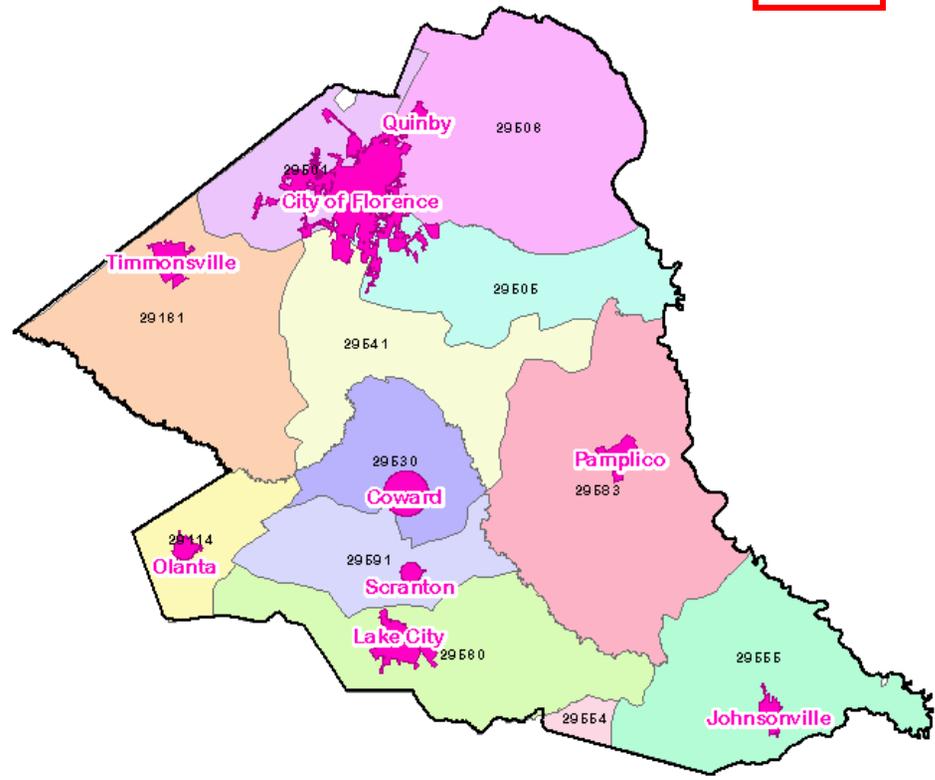


- Create One Layout that will apply to whole Map Series.
- Templates are handy.
- Can add text boxes for Map Page Specific Elements that will be added later.



DS MAPBOOK DEMO - Layout

TEXT



TEXT



The Index Grid



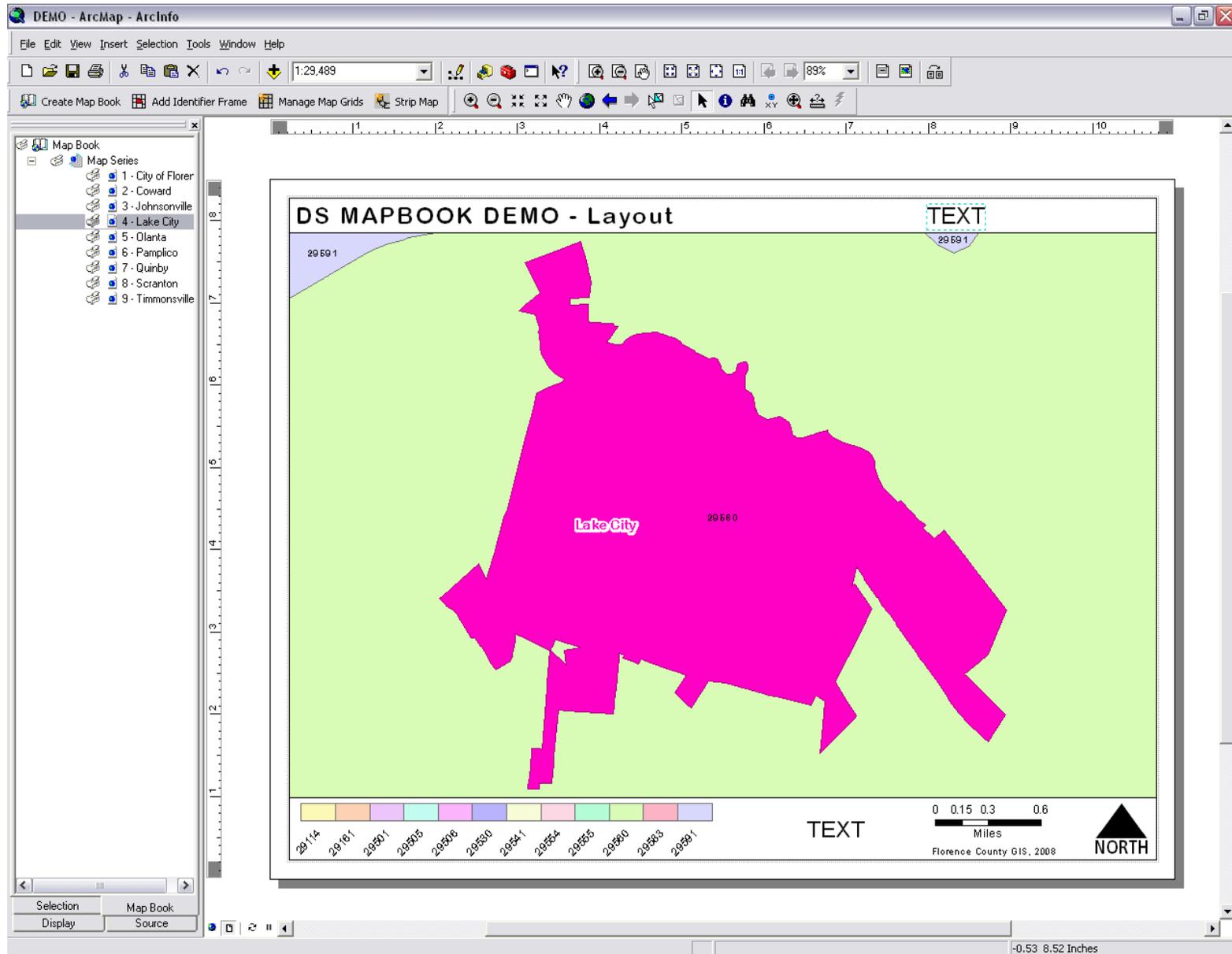
- Determines what will be on each map page
- Can be an existing shapefile
- Mapbook can Generate one for you

Requirements:

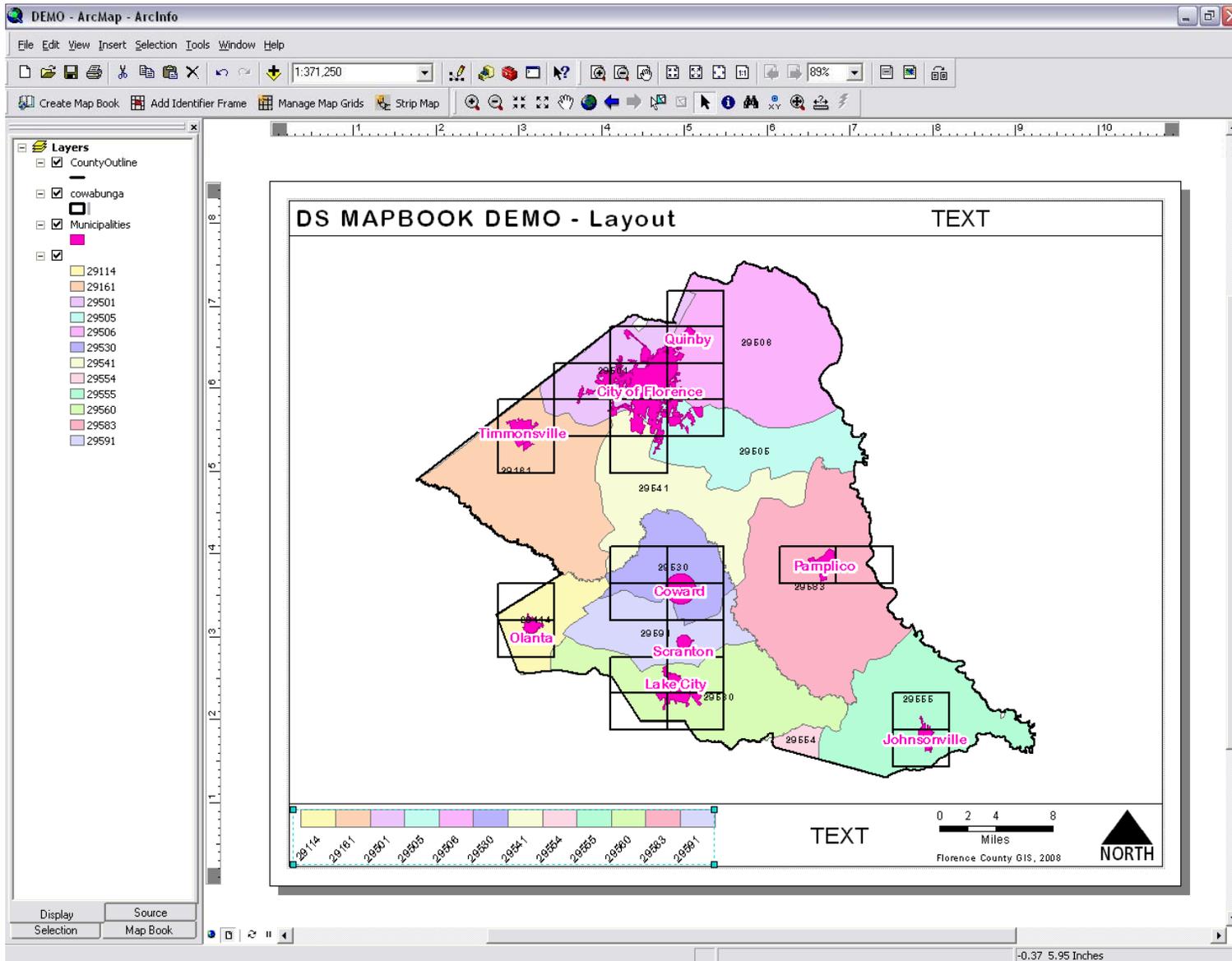
- Must be Polygon Shapefile
- Contain Field with Unique Names

Use Existing Shapefile

- The Polygons in the shapefile will be the mapbook pages.

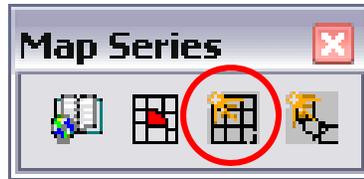


Create a grid Based on a Shapefile using Mapbook GRID GENERATOR





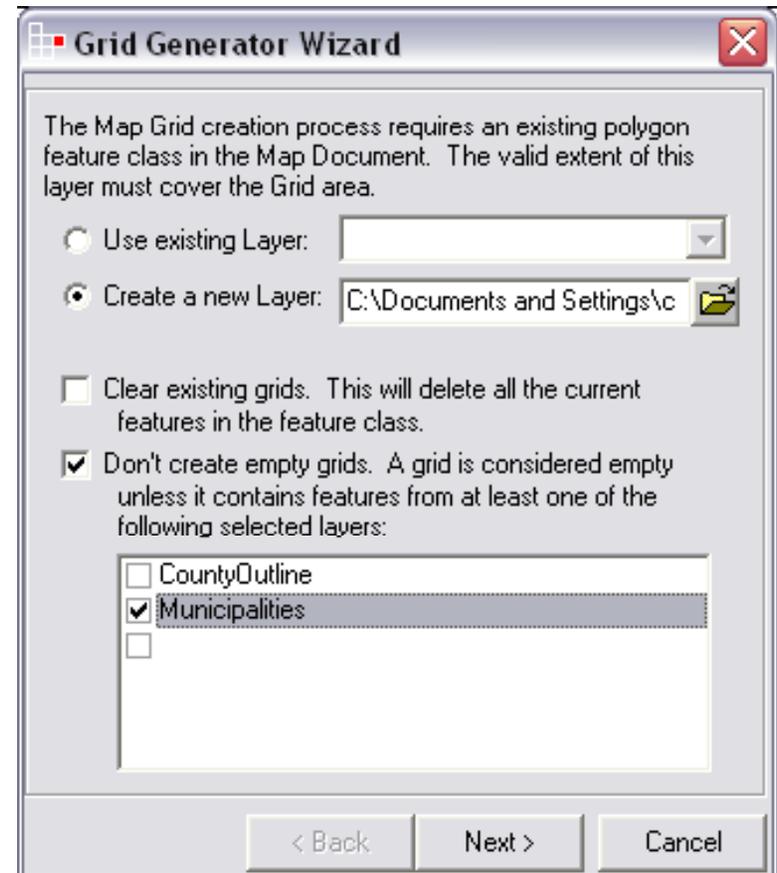
GRID GENERATOR DEMO...



Click the Manage Map Grids Icon in your Map Series Toolbar...

Choose between using an existing layer or creating a new layer. Creating a new layer is the best option unless you have already created a grid that you wish to change or add on to. If you are using an existing grid you can check the box to clear the existing grids in that layer. If you want to just create grids over a particular layer you check the box to not create empty grids and specify what layer you wish to base your grid off of.

...This will open up the Grid Generator Wizard.





Grid Generator Wizard

Set the Scale / Size for each of the grids.

Current Map Scale 1 : 372,210

Manual Map Scale 1 :

Set the Extent within which to create grids.

Starting Coordinate (LowerLeft):

Ending Coordinate (UpperRight):

You can choose from the current map scale or manually type the map scale you wish each of the grids to have.

You can also set the extent at which you want your grids created in. Choose either the current extent or all layers. **Example: If you were zoomed in to a particular area on your data layers and just wanted to create a grid over it you would choose Current Extent.**

Grid Generator Wizard

Specify the Size / Shape of the Data Frame in the Layout.
This shape will be used with the Scale setting to determine the polygon Grid size in Map Units.

Use the size of the current Data Frame in the Layout
Frame Name: **Layers**

Specify the Data Frame size (in Layout Units)

Note: If you use this option, for best results you should also update the Data Frame size in the Layout to match.

Width : Units:

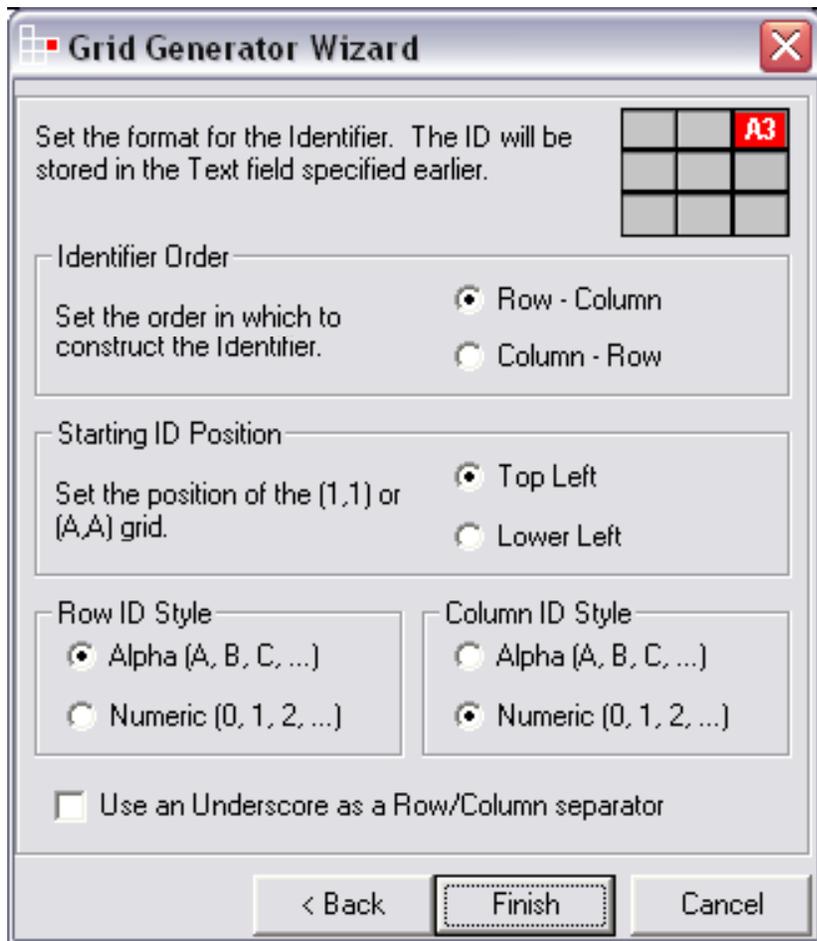
Height :

< Back Next > Cancel

You can choose to use the size of the current data frame in the layout you created (recommended)

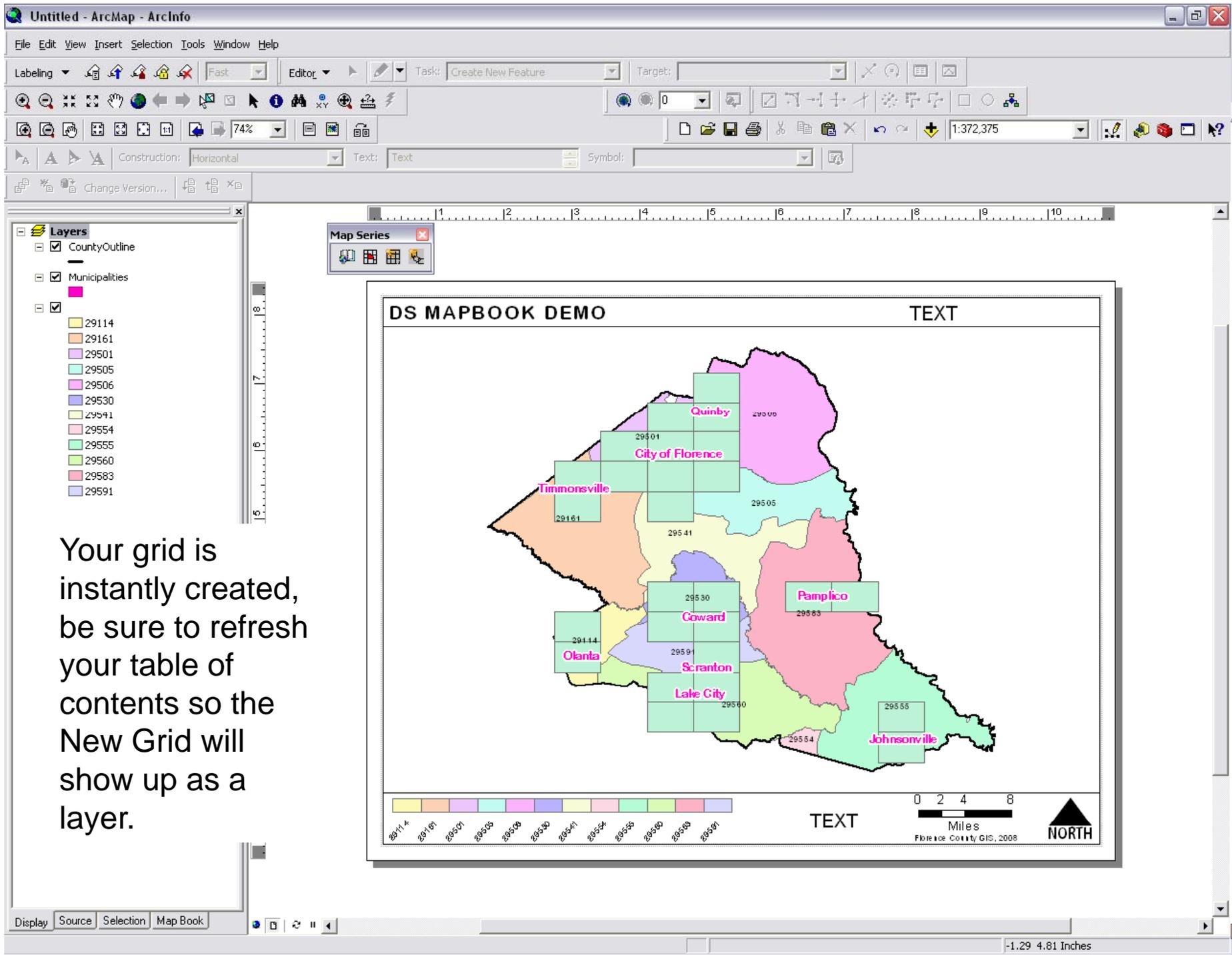
or you can manually enter the size of the data frame



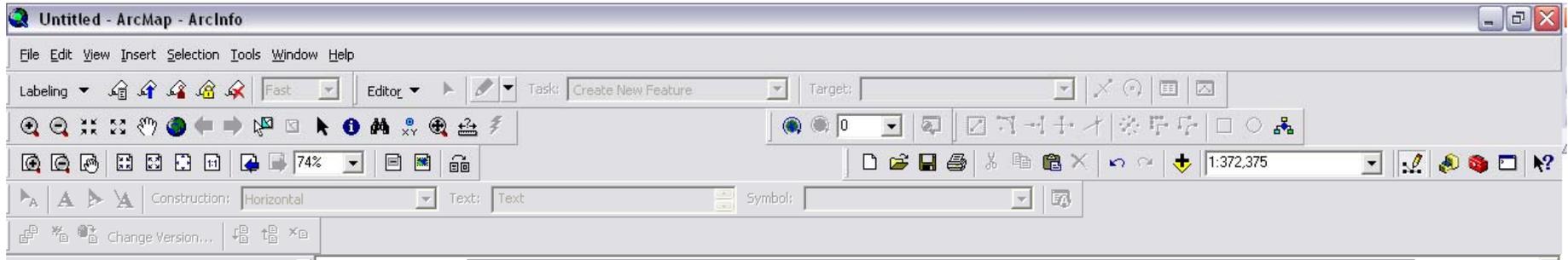


You can now choose between many options for how you want your grid setup. These will be based on your personal preferences.

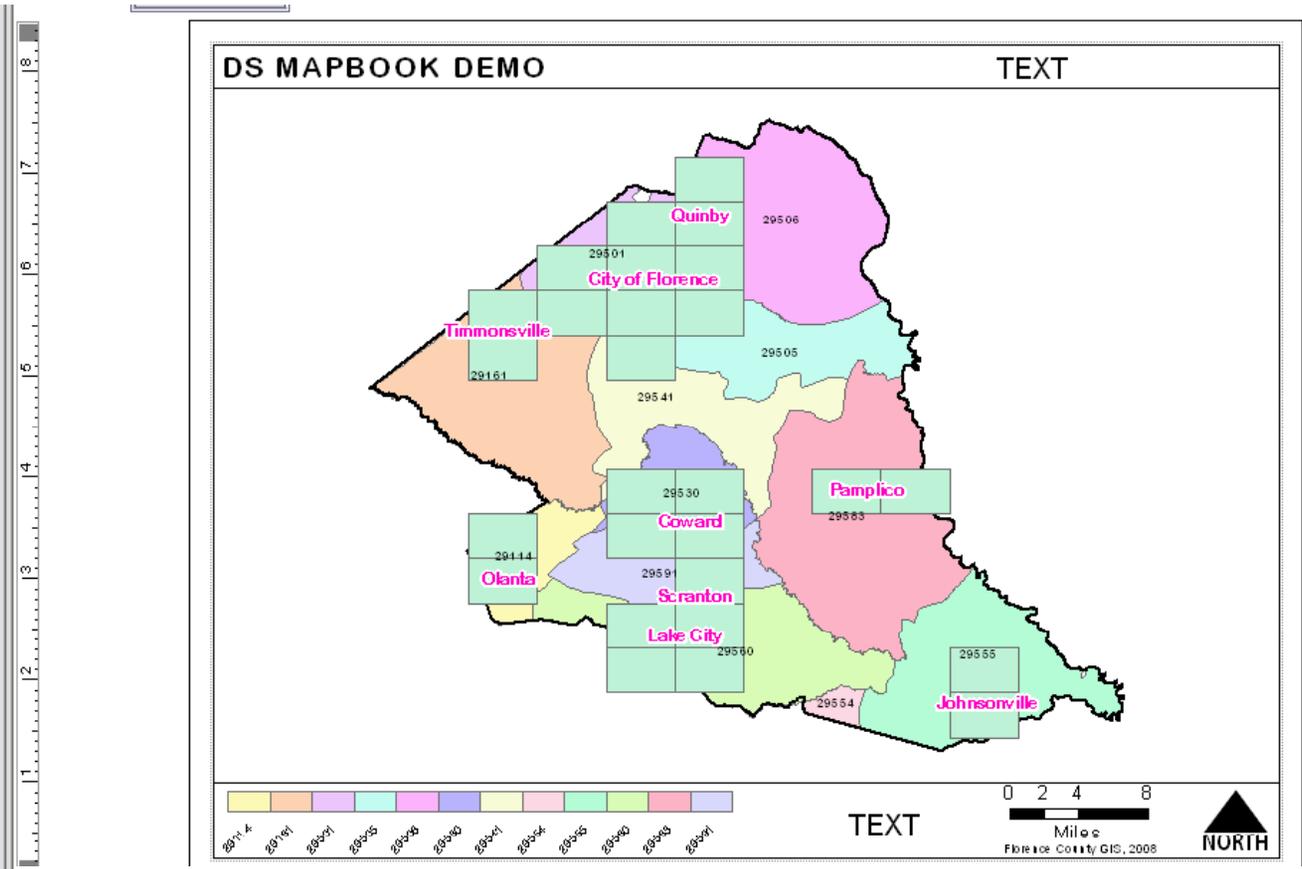




Your grid is instantly created, be sure to refresh your table of contents so the New Grid will show up as a layer.



Newly Created Grid now shows up as a layer.



Usually refresh by clicking on another tab in the TOC and then coming back to the display tab.





**Now that you have a *Layout* and
*Index Grid***

**You Are Ready to Start Creating
your Map Series...**

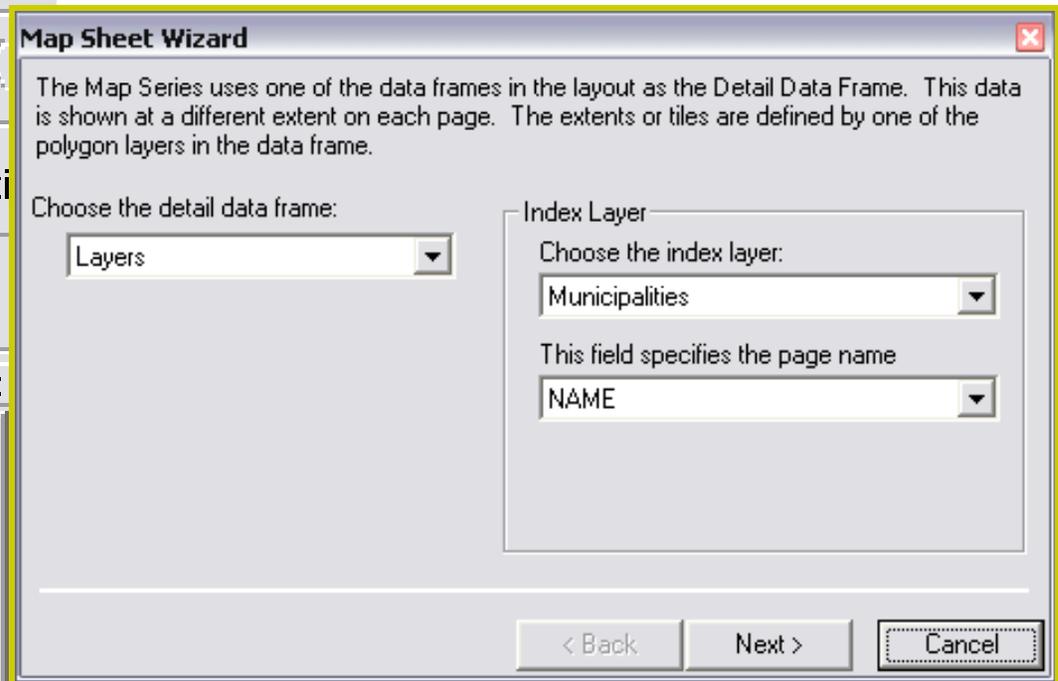
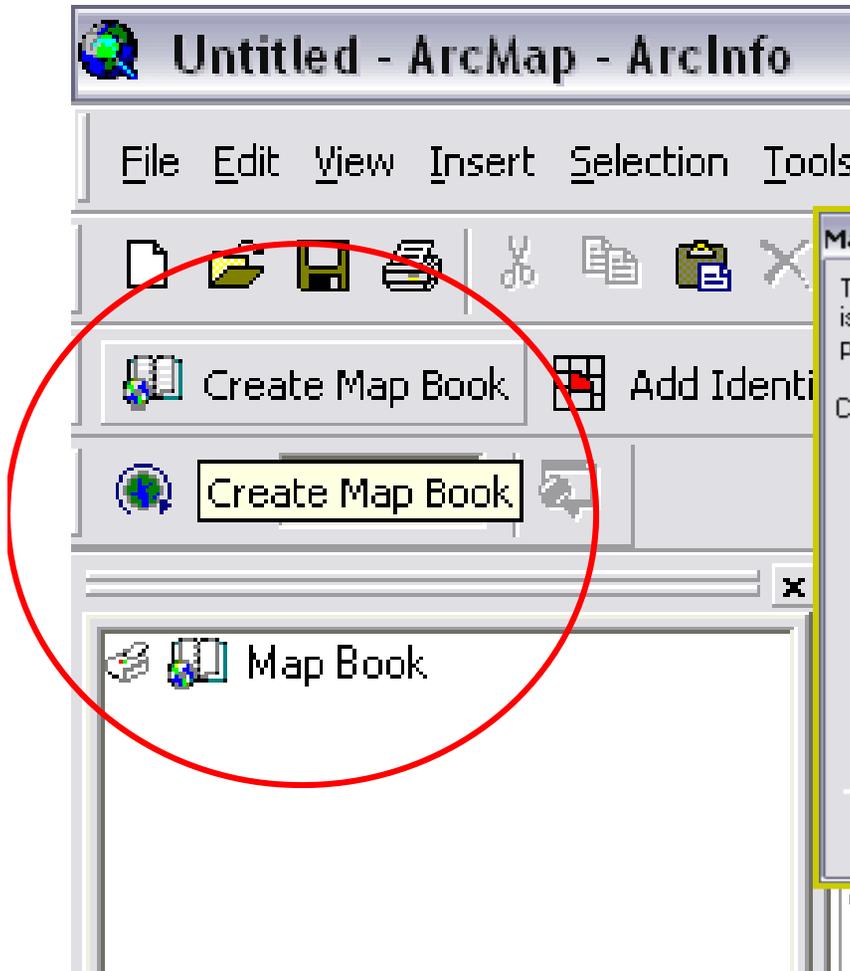


Creating the Map Series

Click the ICON on Map Series Toolbar

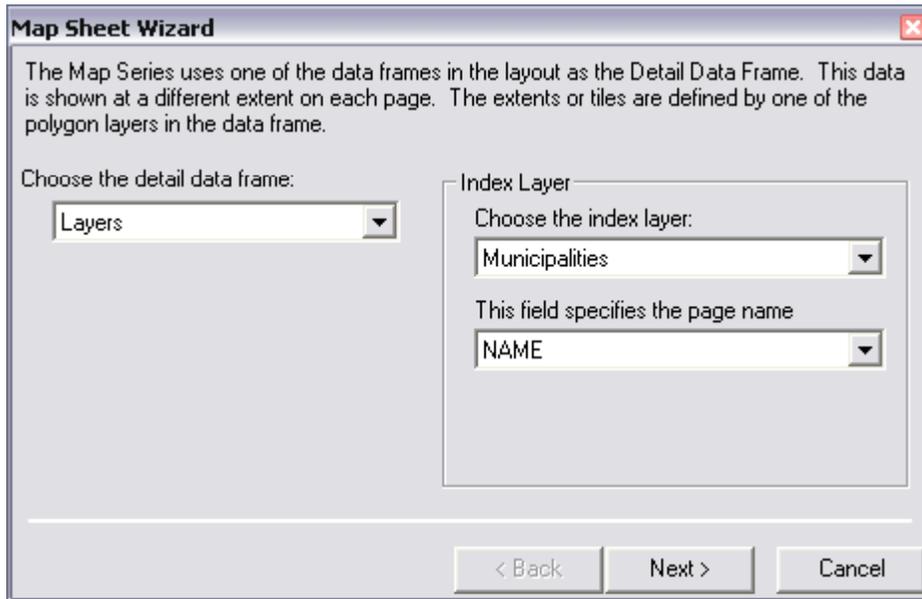
or you can

Right Click Map Book in TOC



THIS WILL OPEN THE MAP SHEET WIZARD.

1.

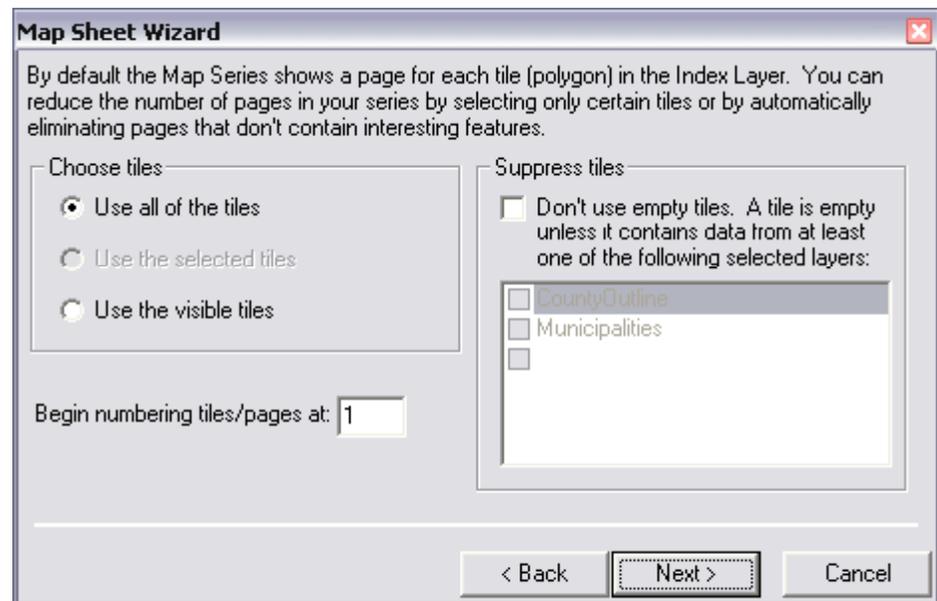


The first page of the Map Sheet Wizard will allow you to choose the index grid/layer you want to base your map series on.



The second page allows you to choose what tiles of your index grid you want to be included in the map series.

2.



This page in the wizard allows you to choose several different options on how you would like your map pages to look. Based on your personal preferences and needs.



3.

Map Sheet Wizard

The Map Series provides several different options for fitting a tile to the data frame.

Extent

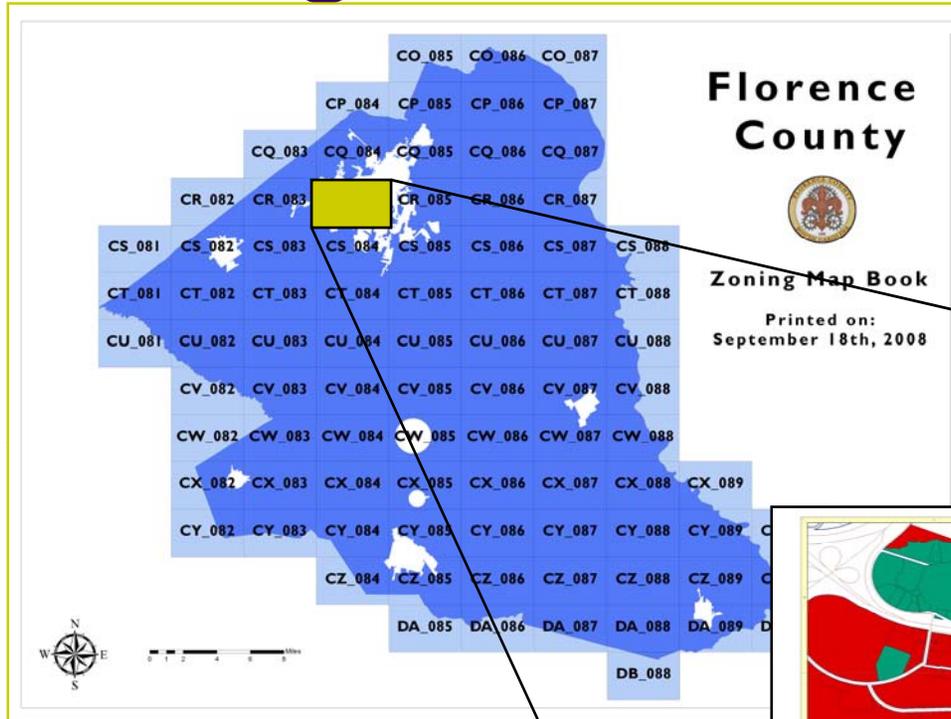
- Variable - Fit the tiles to the data frame
Margin:
- Fixed - Always draw at this scale:
1:
- Data driven - The scale for each tile is specified in this index layer field:

Options

- Rotate data using value from this field:
- Clip data to the outline of the tile
 - Cross-hatch data outside tile?
- Label neighboring tiles?
- Select tile when drawing?

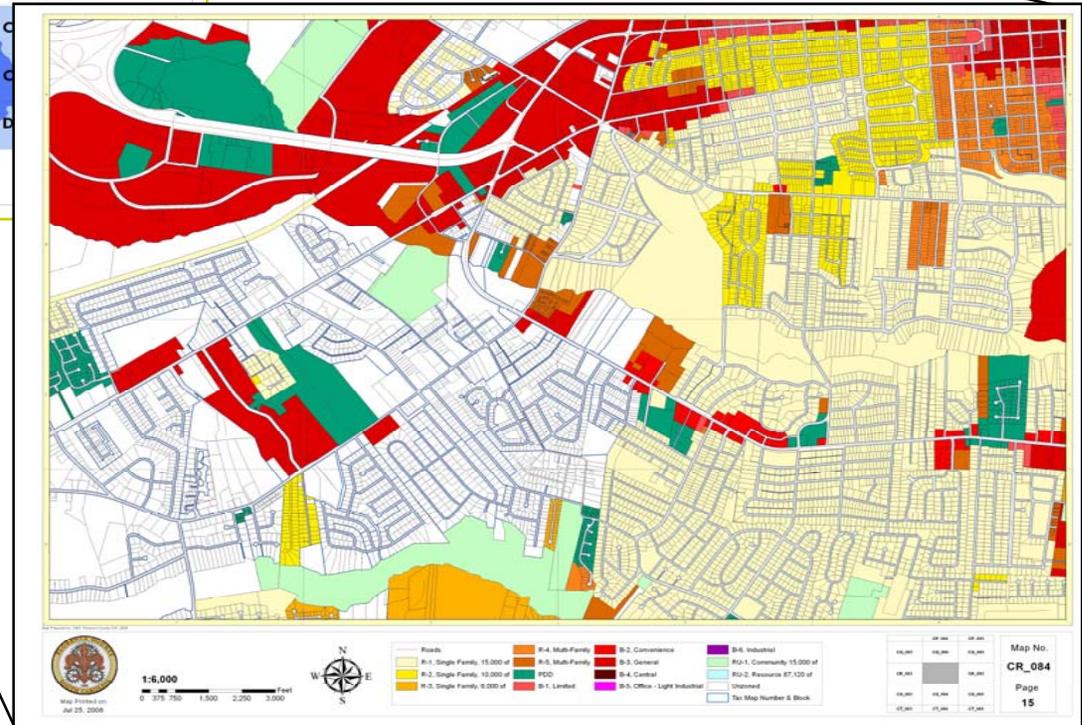
< Back **Finish** Cancel

Zoning Verification Project

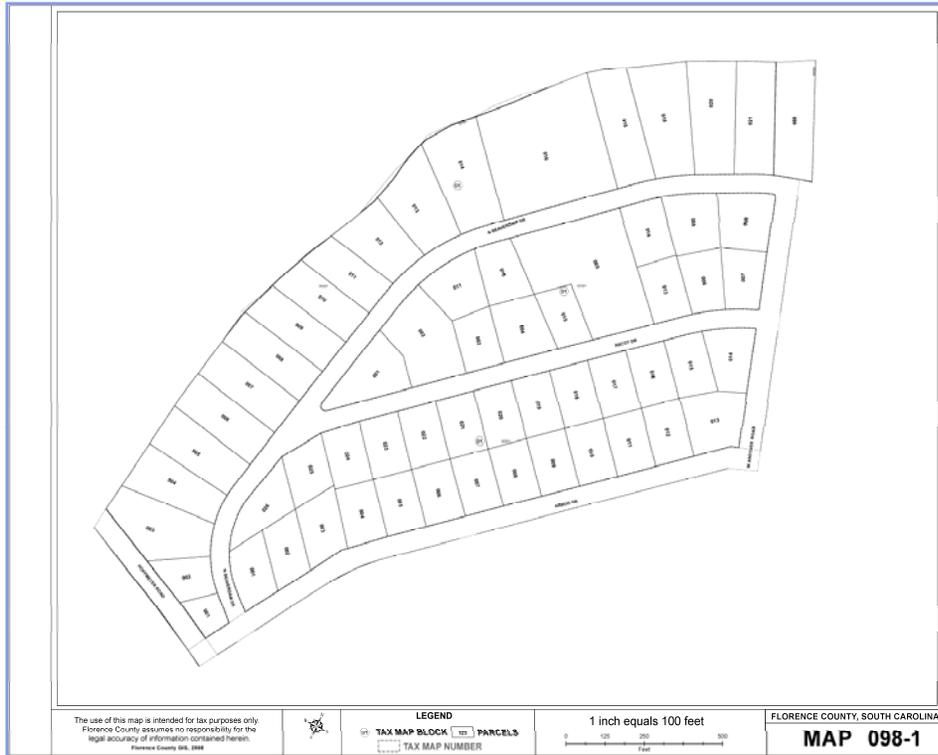


First Time Using Mapbook

89 Page Zoning Mapbook
For Florence County



Tax Assessor's Mapbook



852 Mapbook Pages
Simulating Existing Paper
Tax Maps

Problems I Have Encountered



- Unique Values in Index Grid Field
 - Can manually edit attribute table
 - Sometimes need to restart whole arcMap document in order for error message to disappear
- **Crashing when Exporting, Printing or Indexing whole series**
 - Small batches

Indexing - Mapbook allows you to index your map pages but when your pages are very large you need to have a smaller grid within your map page so features will be easier to find. This problem was solved by downloading a macro that ran in VBA that used the data frame index grid. If you would like more information about this macro please feel free to contact me.

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cdunlap@florenceco.org

843-676-8600 ext. 61429

**You can find many ESRI Help Forums for Mapbook
As well as the Google Code arcmapbook Page discussed earlier.**