Mississippi Valley Freight Coalition

"The University of Toledo, partnering the coalition"

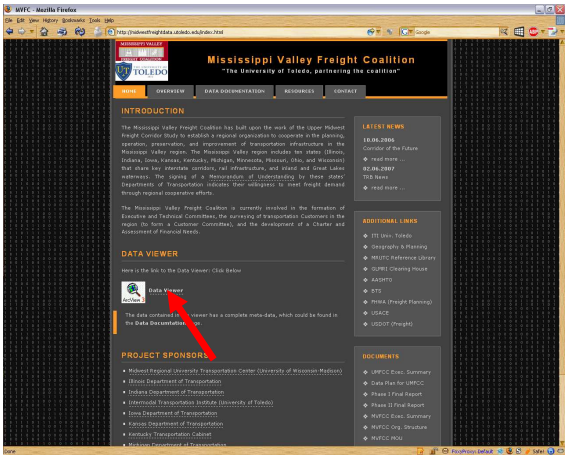
Data-Viewer User's Guide

Introduction

The Toledo project team has prepared the information delivery web page and provided link to the GIS-based *DataViewer*. The *DataViewer* you are about to see uses GIS technology to display a variety of spatially referenced data that includes ports, docks, weather information, economic data (employment and land use), population characteristics, and networks including waterways, railways, and highways. This is all managed within the *DataViewer*. In addition, a large volume of data is managed by the project team that is not available in the data viewer but can be distributed to users upon request. These data are listed on the data description document can be found in the web site. The current discussion will focus on the following presentation dealing with how to use the *DataViewer*.

Web-Access Directives

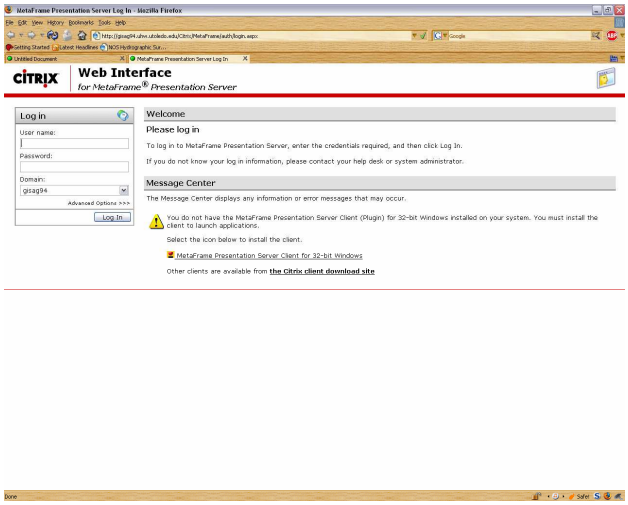
Step 1. http://midwestfreightdata.utoledo.edu/. This web page currently provides overview of the project and also provides information about the government agencies, universities and other agencies involved in the effort of researching several aspects of regional freight transportation. In addition, the web page provides access to the GIS *DataViewer* managed at the Toledo web server.



Click on the link *DataViewer* located on the *Home* Tab of the web page to navigate to the Citrix server OR enter the following URL in your web browser:

http://gisag94.uhw.utoledo.edu/Citrix/MetaFrame/auth/login.aspx

When this screen appears, type in the user name and password provided.



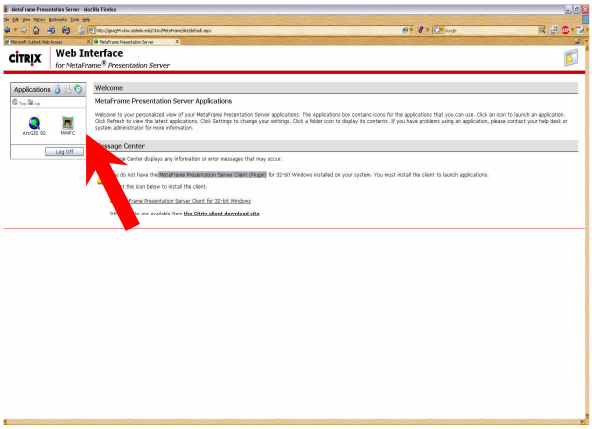
Step 2. Login to the Citrix Server

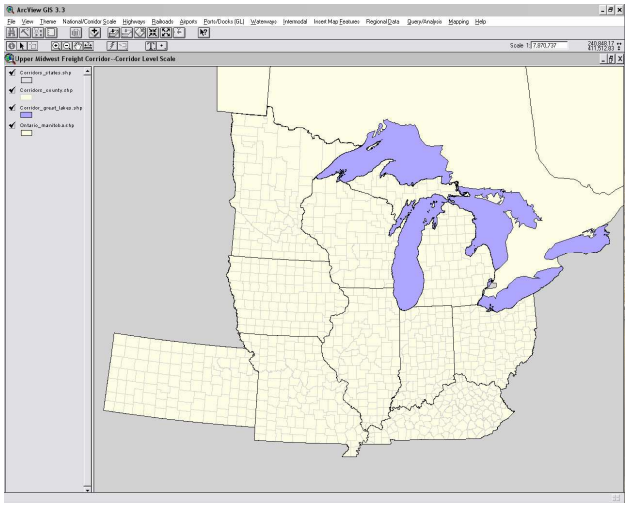
UserName : (*Email to get Username*)

Pswd : (*Email to get Password*)

Domain : gisag94

When the following display appears, click on the "*MWFC*" icon shown below. The program will ask you to install the MetaFrame Presentation Server Client (Plugin). Please go ahead and do it, as you would need it to view the DataViewer **OR** you could download it from the link provided on the page under Message Center section. **OR** http://gisag94.uhw.utoledo.edu/Citrix/MetaFrame/ICAWEB_common/en/ica32/ica32t.exe

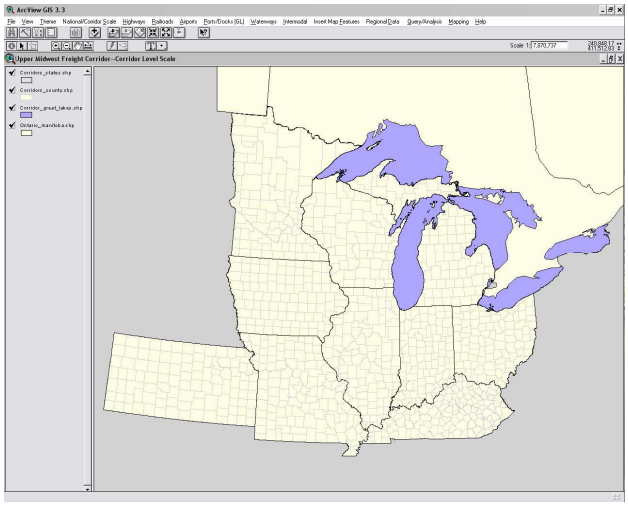




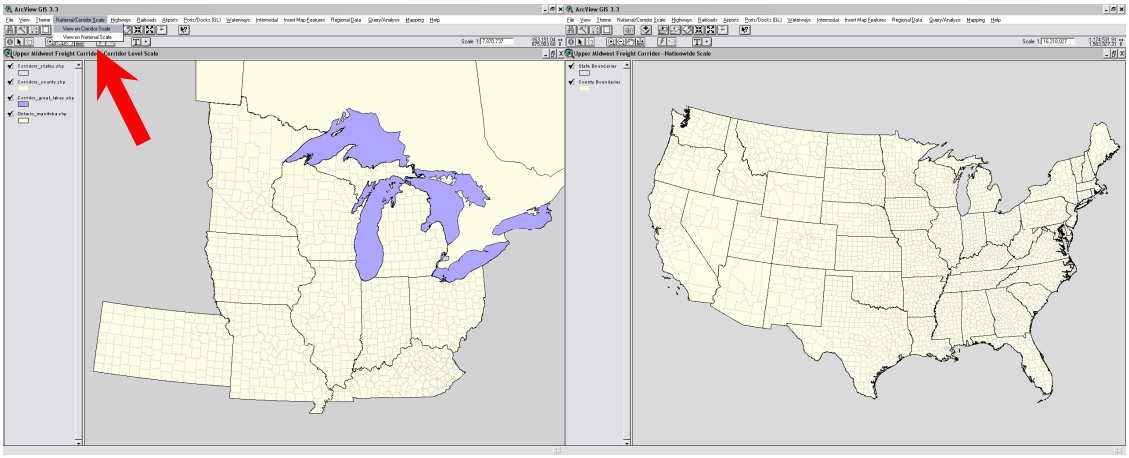
Initial View of the Data-Viewer

The Data Viewer -- User Guide

The user(s) should find the interface extremely simple, as it was intended when designed. The figure below is the view of the interface when user initiates the application.



The Viewer contains two different scales of view viz. *Corridor Scale* and *National Scale*, depending on the user(s) region of interest; user(s) can change the scale of the viewer by clicking *National/Corridor Scale* from the menu and choose the scale needed. The figure below is the view of both the scales in the viewer.

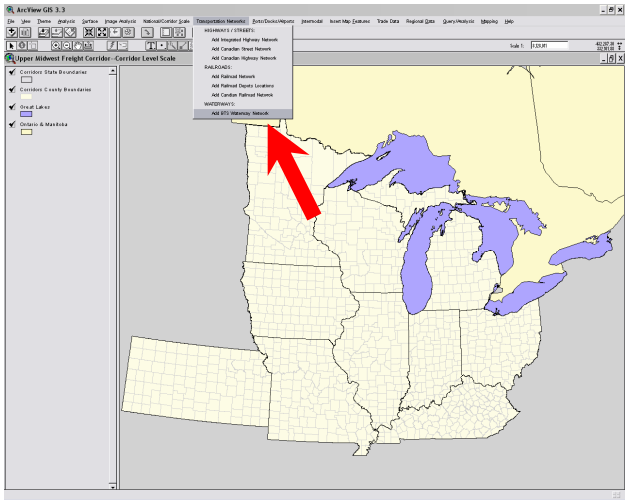


Corridor Scale National Scale

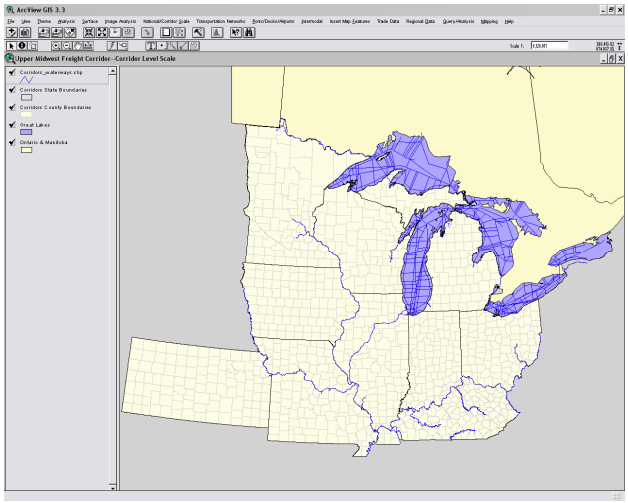
Adding geographic feature to the current view

Example: USACE Waterway Network for the great lakes region to the current viewer (Corridor scale)

Click on the *Transportation Networks* menu and choose "BTS Waterway Network"

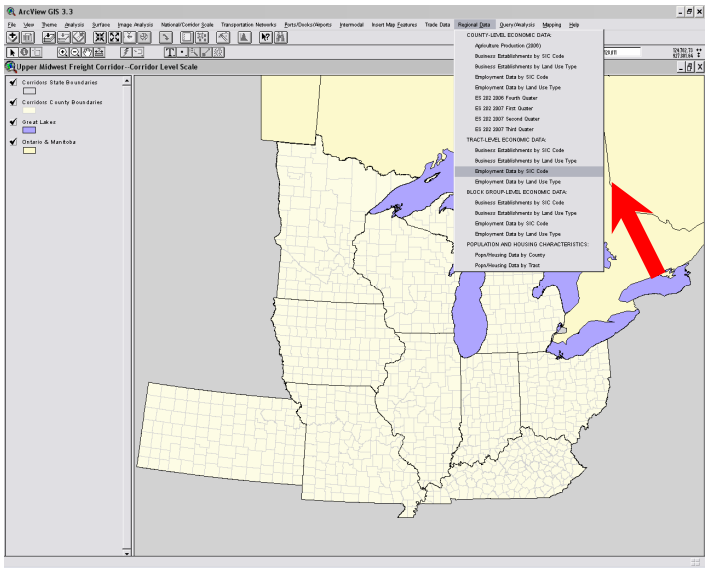


The display below should appear:

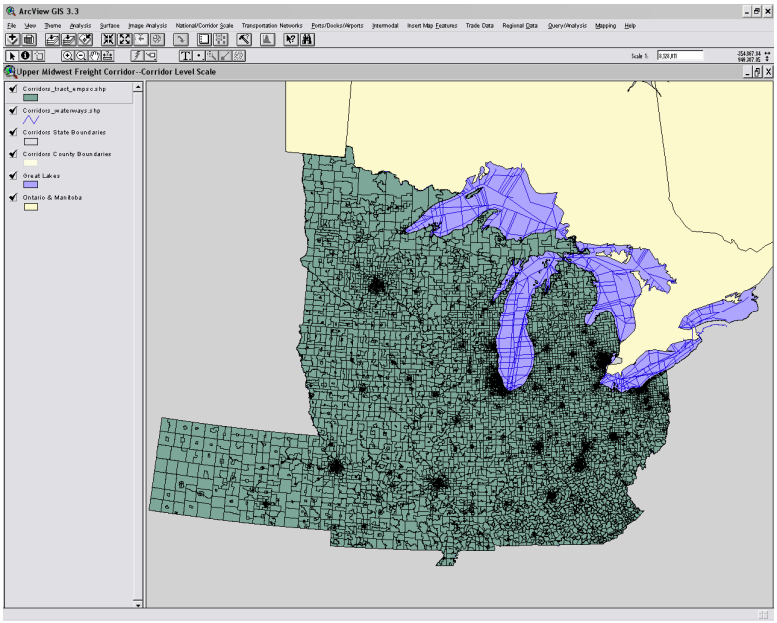


The USACE waterway networks for the Great Lakes and the Inland waterway system will appear in the display window. In this next step we will add employment data for manufacturing to the waterway network to relate this part of the transportation system to one component of the regional economy.

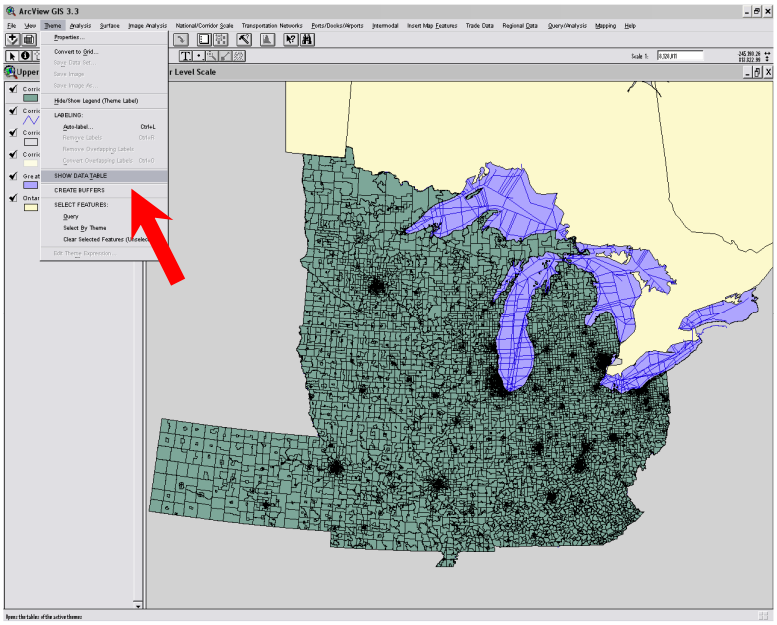
1) Click on the *Regional Data* menu and choose "Employment data by SIC Code" on the tract level from the drop down list.

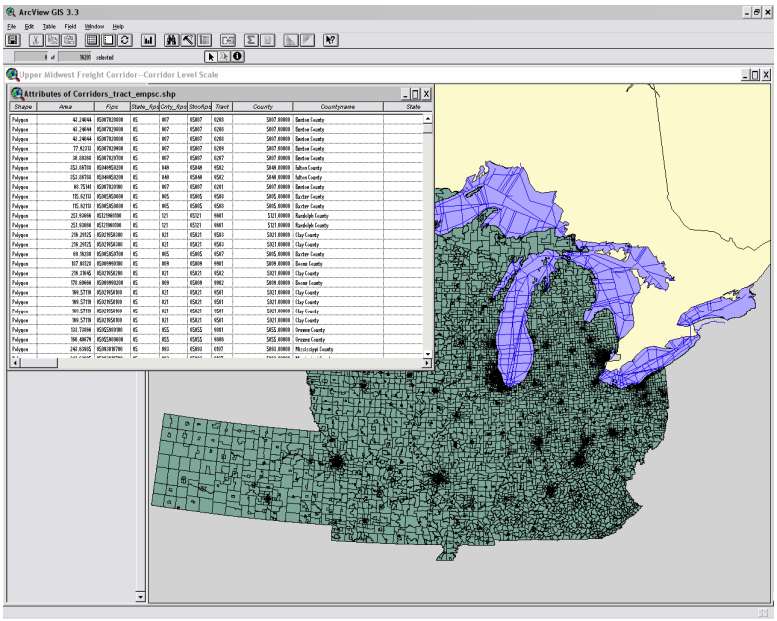


2) You will now see a set of filled census tracts overlaid on the county map as shown below.

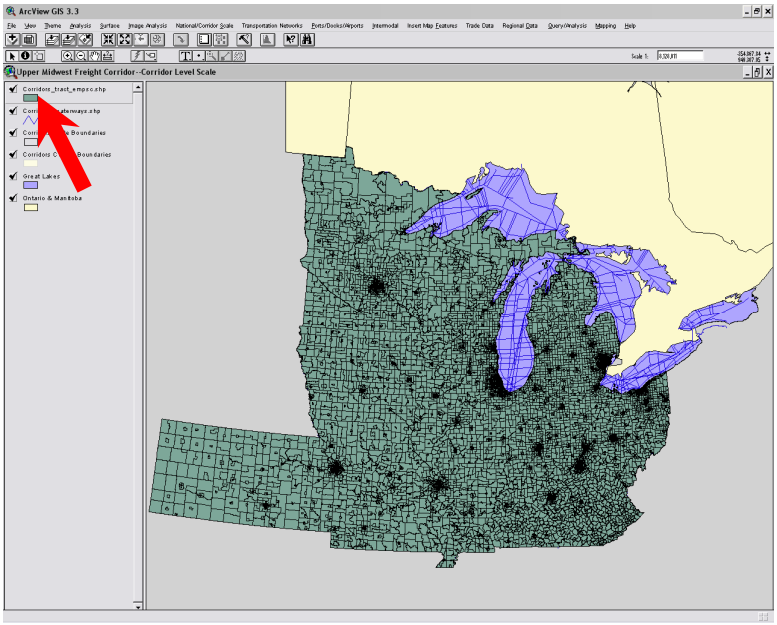


3) Now click on the *Theme* menu item and choose Show Data Table.

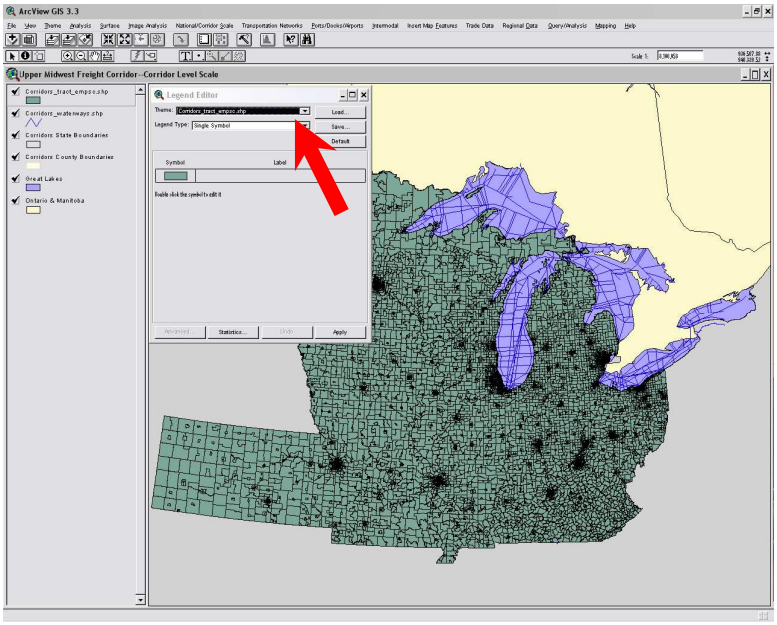




The data table will show up as a spreadsheet display that shows employment data by sector for each of the census tracts in the map. At this point we will now prepare a color shaded map that will show the distribution of manufacturing employment within counties related to the waterway network. To get rid of the data table, just point the cursor on any of the gray portions of the map and click. At this point, move the cursor over the box in the left menu portion of the display and double-click on that box (see red arrow)

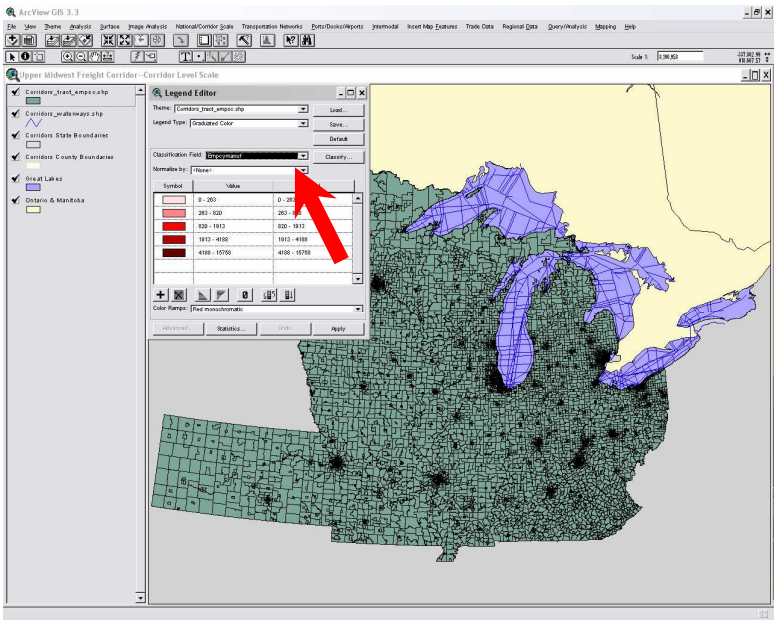


The following drop down menu will appear. Now click on the text box labeled "Legend Type" and change the symbol from "single symbol" to "Graduated Color"

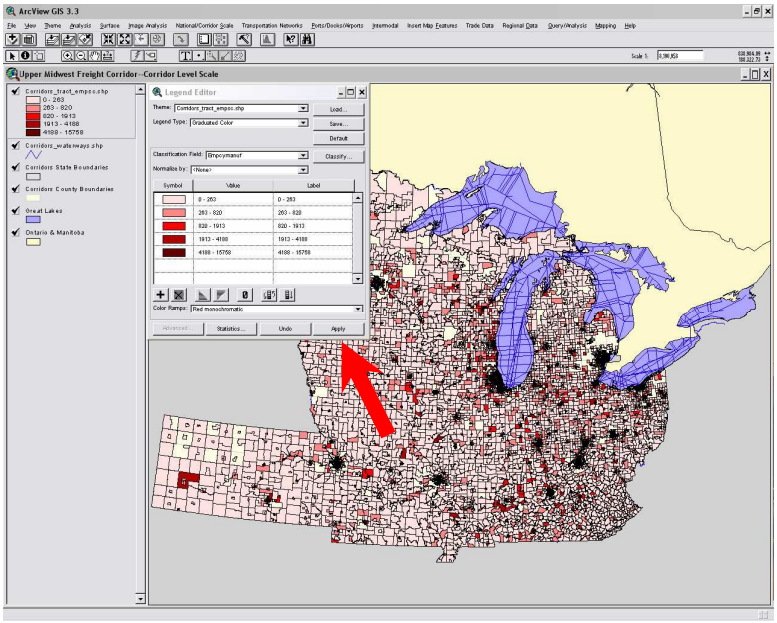


Scroll down to "Empcymanuf" in the Classification Field text box.

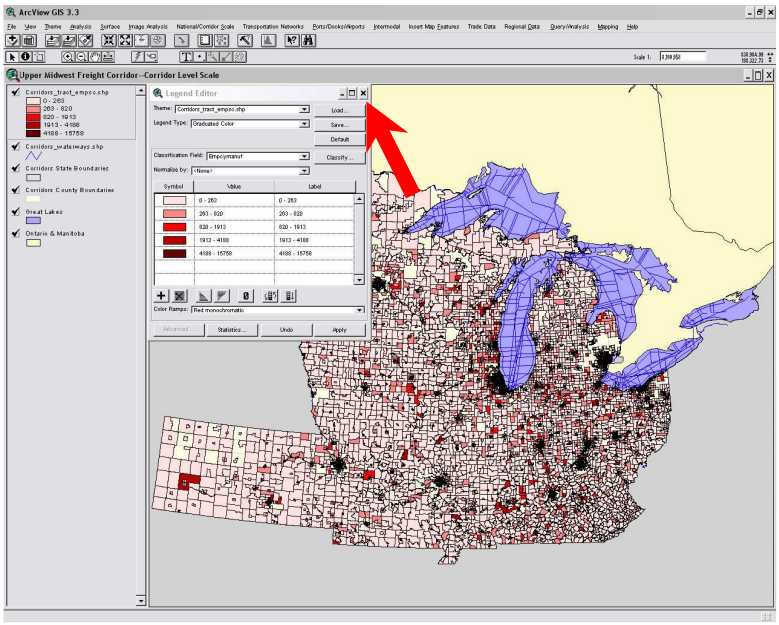
Hit Enter and a color shaded legend will appear



Now click on the "Apply" button at the bottom of the legend and
Your thematic map will appear

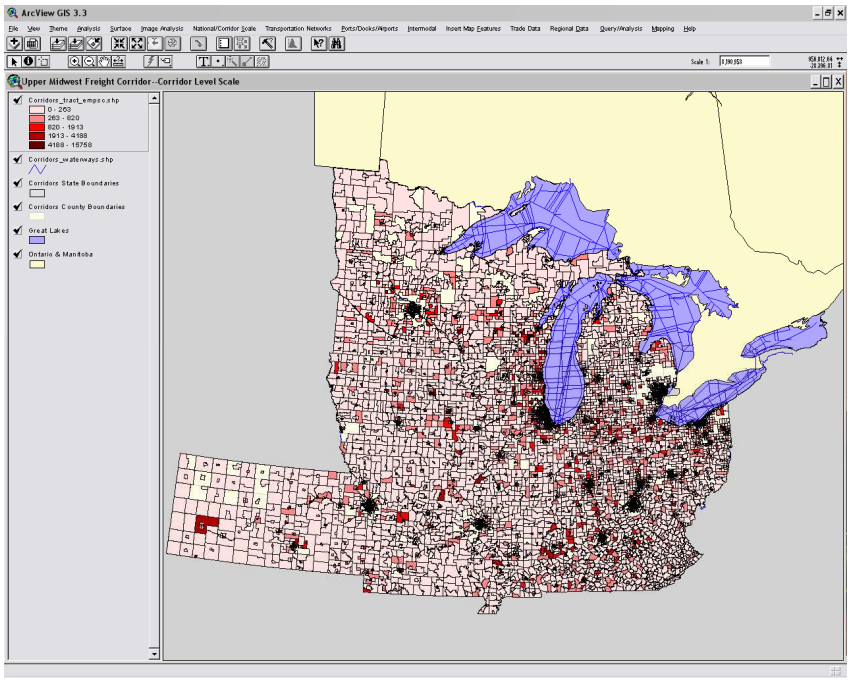


Now close out the drop down box.



Other data may be added to the display such as highways, railroads, docks, etc.

In addition, finished map compositions can be prepared under the "map" option for printed maps or maps prepared in graphics file formats for Power Point presentations.



Most of the geographical features are available for National and Corridor scale. Except the Block-Group level economic data under *Regional Data* menu item is only available for the Corridor scale.

Periodically this User's Guide will be updated/modified with new information.
For more information on this project please contact:

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