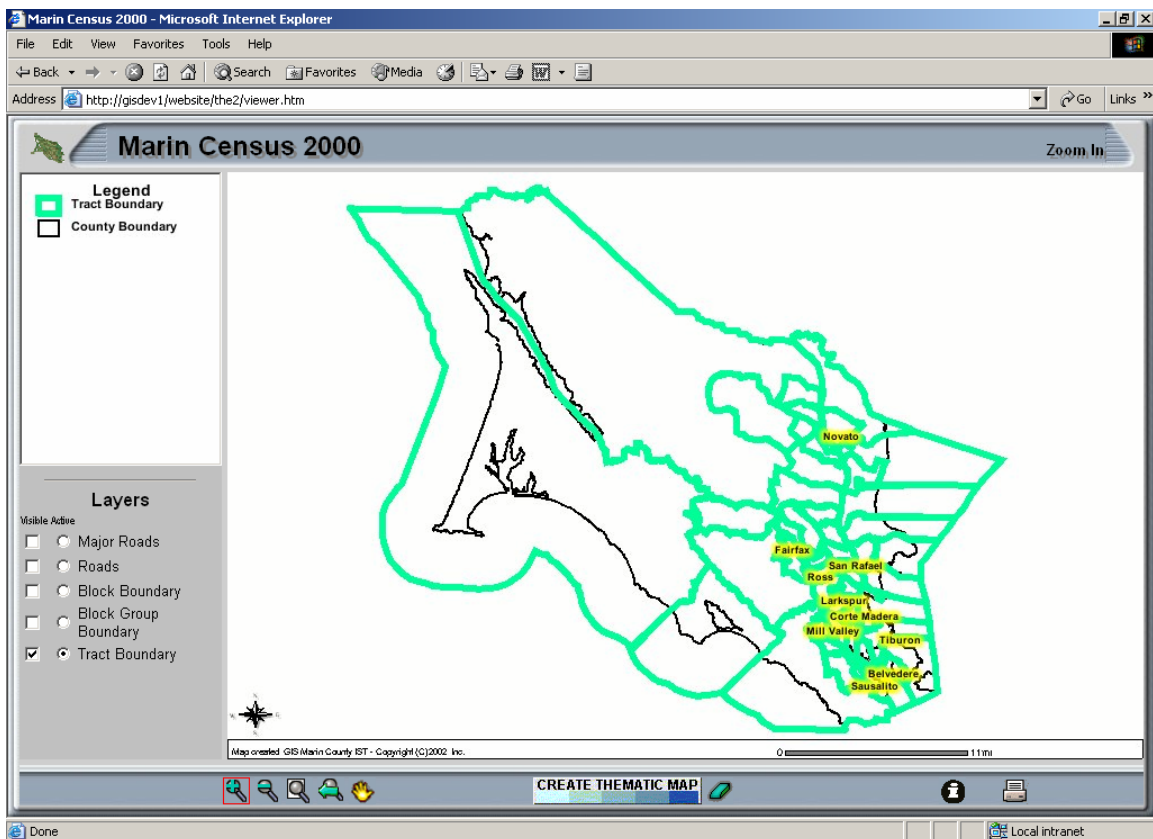


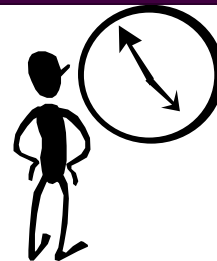
MARIN CENSUS 2000

The federal census is held every ten (10) years. This data is now available in electronic format. The County has created a means by which users can apply specific criteria to the County's census data to use geographic information system (GIS) technology.

When you click on the census application on the MINE menu, the screen shown below will open. This information will describe the various components of this application. This is not intended to be a lesson in how to compile information from the census data. It will provide instructions and explanations of the various features available to manipulate the census data using GIS technology. Reference the basic GIS Terms and Navigation for general GIS help.



CREATING A THEMATIC MAP MAY TAKE TIME DEPENDING ON THE AMOUNT OF INFORMATION BEING PROCESSED AND YOUR COMPUTER'S SPEED. YOUR PATIENCE IS APPRECIATED.



TOOLBAR

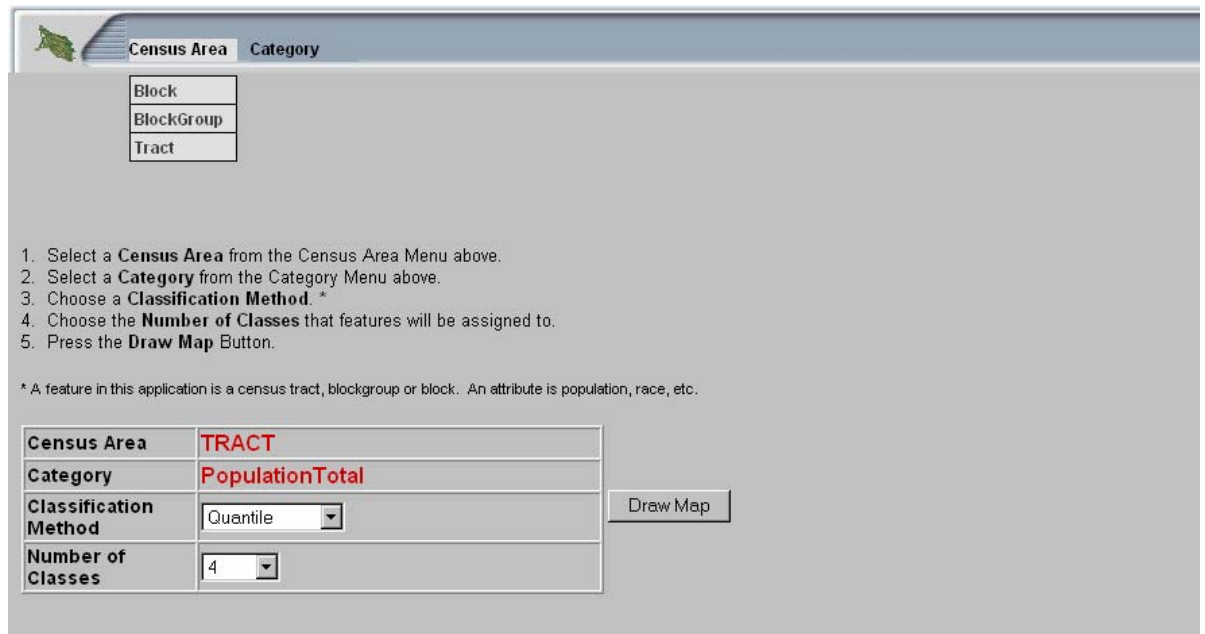


The buttons displayed on the toolbar above are universal to all geographic information system (GIS) applications with the exception of the **Create Thematic Map** button. These buttons operate as either Modal (relating to movement of the cursor) or as performing an Action and are described in detail in [Basic GIS Terms and Navigation](#).

CREATE THEMATIC MAP

The steps outlined below will create a thematic map. It may help you build better maps if you understand the concepts used in creating maps. The [Glossary](#) provides additional clarification of terminology and concepts.

1. Click the **Create Thematic Map** button to access the Thematic Map dialog box.



1. Select a **Census Area** from the Census Area Menu above.

2. Select a **Category** from the Category Menu above.

3. Choose a **Classification Method**. *

4. Choose the **Number of Classes** that features will be assigned to.

5. Press the **Draw Map** Button.

* A feature in this application is a census tract, blockgroup or block. An attribute is population, race, etc.

Census Area	TRACT
Category	PopulationTotal
Classification Method	Quantile
Number of Classes	4

Draw Map

2. From the menu above, select **Census Area**, and select **Block**, **BlockGroup**, or **Tract**.
3. From the menu, select **Category**, and select an option.
4. Select a **Classification Method** from the drop-down menu. Classification Method uses statistical methodology to create a map based on a selected Census Area (the feature) and a specific Category (the attribute) such as Total Population. [Click here](#) for a description of the classification methods.

5. Select the **Number of Classes** from the drop-down menu.
6. Click the **Draw Map** button. Please be patient as it may take a few moments while the map is created.


Once the map is created, you can use the **Zoom**, **Pan** and **Identify** buttons to see more detail, move the map display on the screen and zoom in or out of the map.

MODIFY A THEMATIC MAP

Once a map has been created, it can easily be modified to view the data in different ways.

1. Click the **Create Thematic Map** button.
2. From the menu, select the features or attributes to be modified, then click the **Draw Map** button.

CLEAR A THEMATIC MAP

1. Click the **Clear Thematic** button. 
2. This removes thematic settings from the image and retains the Visible and Active layers.

GLOSSARY OF CENSUS DATA

Census Tract

A small, relatively permanent statistical subdivision of a county delineated by a local committee of census data users for the purpose of presenting data. Census tract boundaries normally follow visible features, but may follow governmental unit boundaries and other non-visible features in some instances; they always nest within counties. Designed to be relatively homogeneous units with respect to population characteristics, economic status, and living conditions at the time of establishment, census tracts average about 4,000 inhabitants. They may be split by any sub-county geographic entity. There are 51 census tracts in Marin County.



Block Group

A cluster of census blocks having the same first digit of their four-digit identifying numbers within a census tract. For example, block group 3 within a census tract includes all blocks numbered from 3000 to 3999. Block groups generally contain between 600 and 3,000 people, with an optimum size of 1,500 people. Block groups on American Indian reservations, off-reservation trust lands, and special places must contain a minimum of 300 people. (Special places include correctional institutions, military installations, college campuses, worker's dormitories, hospitals, nursing homes, and group homes.) There are 152 block groups in Marin County.



Block

A subdivision of a census tract. A block is the smallest geographic unit for which the Census Bureau tabulates data. It is bounded on all sides by visible features, such as streets, roads, streams and railroad tracks, and by invisible boundaries, such as city, town and county limits, property lines, and short, imaginary extensions of streets and roads. Generally, census blocks are small in area; however, in sparsely settled areas they may contain many square miles of territory. There are 3476 blocks in Marin County.

