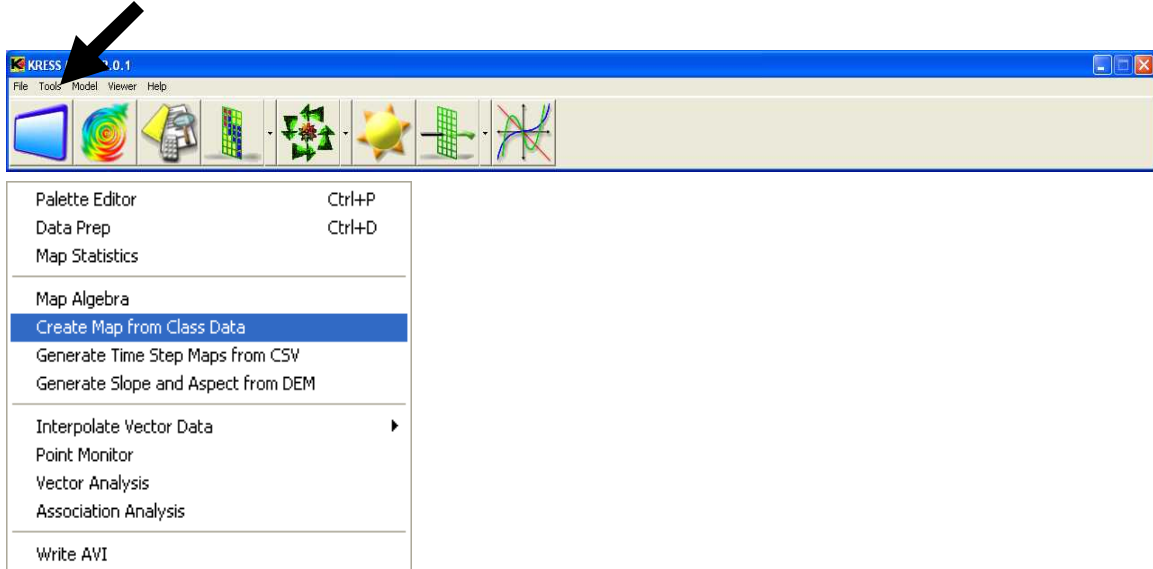


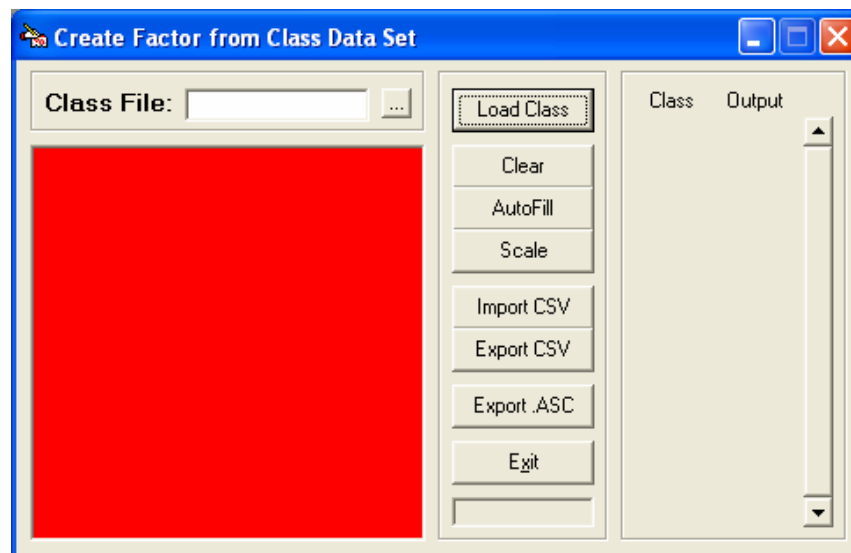
## Create Map from Class Data

Information about landscapes often comes in the form of class data. For example soils, range sites, resource management units, etc. are classifications that are often given arbitrary numbers as identifiers. These identifiers can be used to attribute an area of land for a specific purpose.



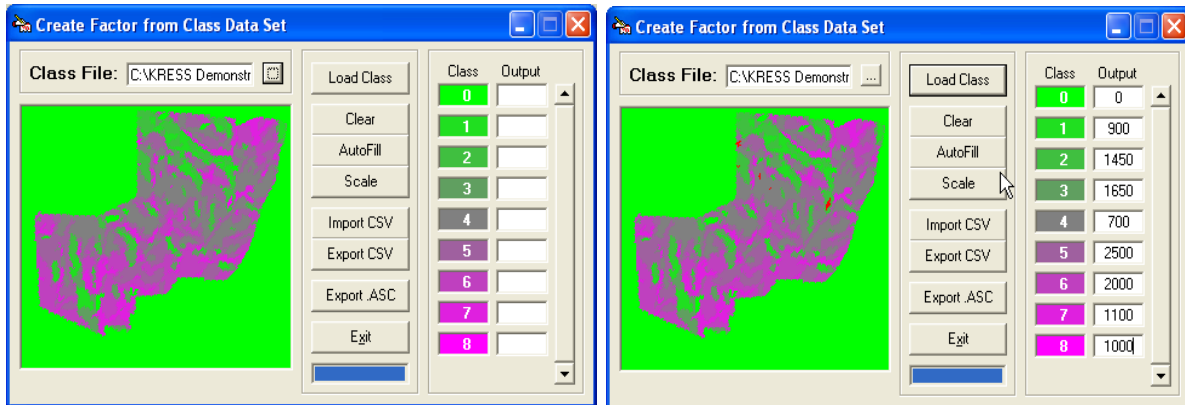
The KRESS modeler can assign values to GIS layers in ASCII format so they can be used in the modeling process. To attribute a map the user initializes the **Create Factor from Class Data Set** module on the toolbar.

The factor map window looks like the example below.



You load the class map by specifying the filename by pressing the button to the right of **Class File:** and then clicking the **Load Class** button.

When the map is loaded, the fields in the window on the right side of the screen are automatically filled with the numeric class identifier and the user can enter the new values, as shown in the example below. The user can also import the values from a CSV file by clicking the **Import CSV** button.



The **Clear** button will clear all the values and allow the user to start over. The **AutoFill** button will assign the output numbers equal to the class numbers. This is useful if your class data set has relevant class numbers or a large number of classes. It can save the user from having to type in all the values by hand. The user can also use the **Scale** button to scale the output values between 0 and 255. This means the map will not have to be scaled in the data preparation model before use with the KRESS module. When the user is ready to export the new information, they click the **Export .ASC** button to save the map as an ASCII raster data file usable for analysis in KRESS.

Also, the output values and class data can be saved as a CSV file for later use with this or other maps. This is done by clicking the **Export CSV** button. In a similar fashion, multiple maps can be generated from class data as discussed in the next section.