Section E

Creating a View

Introduction

This section covers **Creating a View** using the Theme Manager in FORESITE. Covered are:

- Creating a view

- Theme property sheets
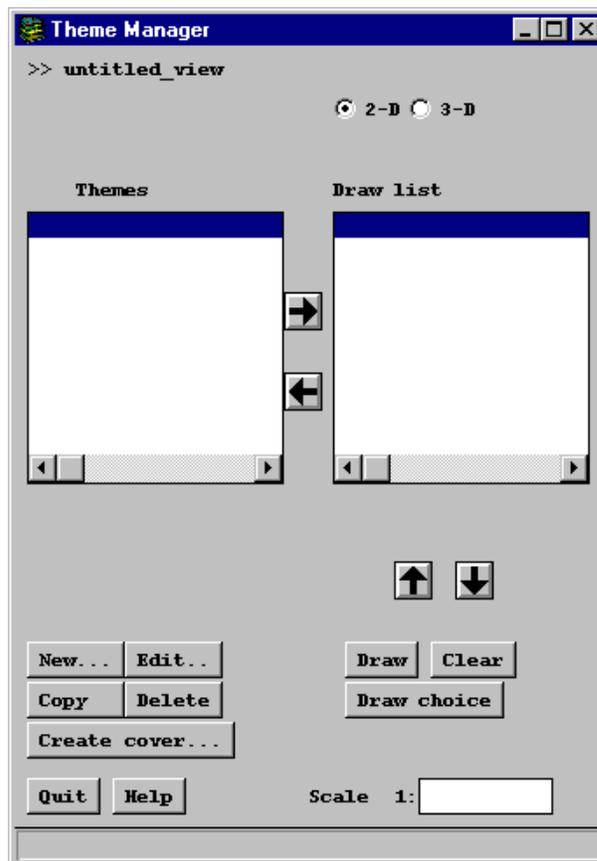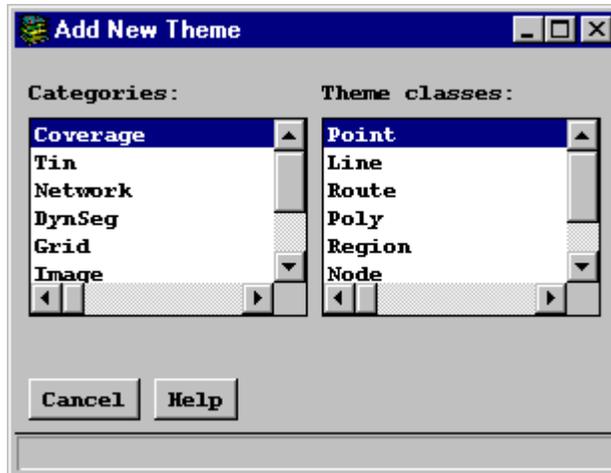
- Creating themes

- Saving a view

Creating a View

A View is a method of displaying graphic data. Each view is comprised of several "Themes." A Theme describes how, in a particular View, a layer of graphic data in (for example, coverage, grid or image) should be displayed. The View also describes the order in which the various layers should be displayed. Views can be saved for future use.

To create a View:

Start FORESITE.

From the FORESITE main tool bar, select **View → New**.

Two windows appear, the **Theme Manager** window and the **Add New Theme** window.
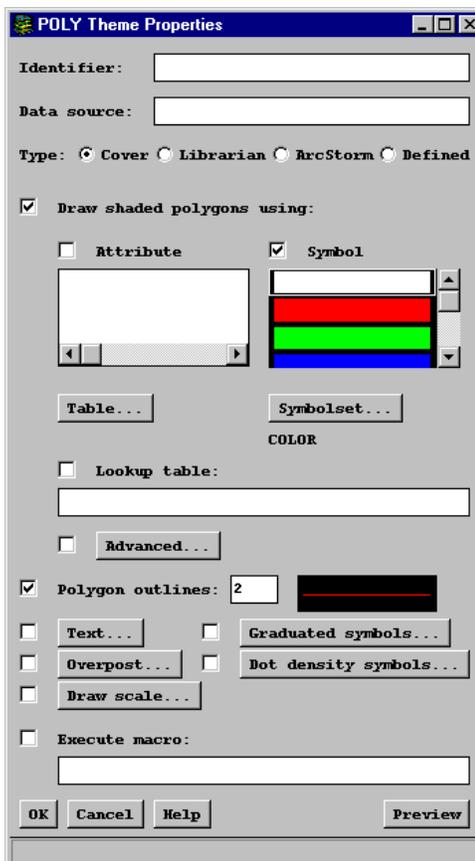
Add New Theme

Categories:
- Coverage
- Tin
- Network
- DynSeg
- Grid
- Image

Theme classes:
- Point
- Line
- Route
- Poly
- Region
- Node

Cancel   Help

Theme Manager

>> untitled_view

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Themes

Draw list

New...   Edit..

Copy   Delete

Create cover...

Quit   Help

Draw   Clear

Draw choice

Scale 1:

For this exercise, a new theme will be created showing the landuse, roads, factor map, station coverage and an image.

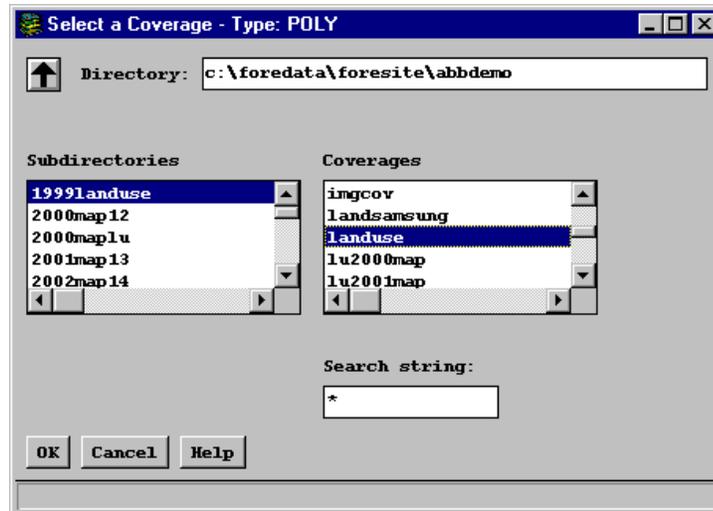# Creating a Landuse Theme

To create a Landuse Theme:

From the **Add New Theme** window, click **Coverages** under the **Categories** list and then click to select **Poly** under **Theme Class**.

The **Poly Theme Properties** window appears.

To set up the landuse theme:

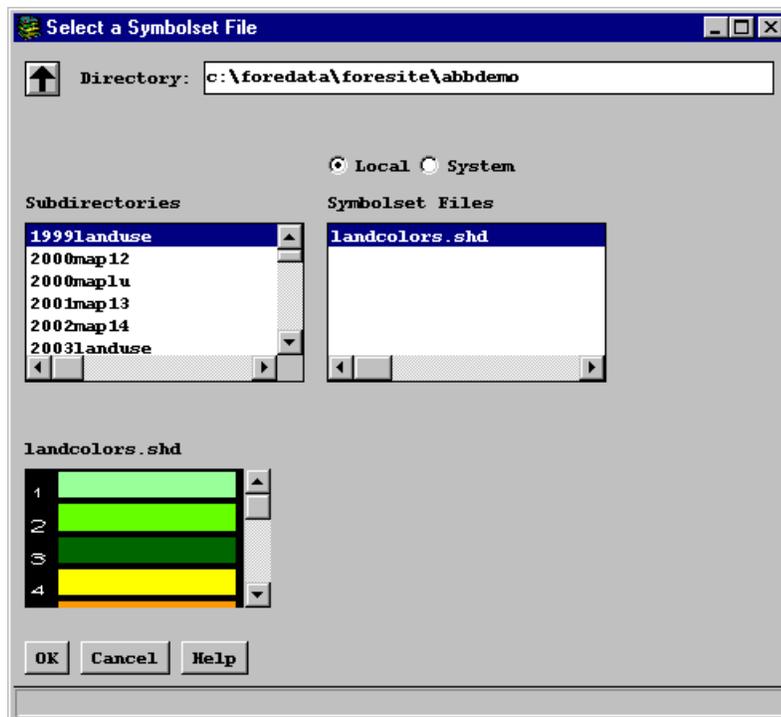Right-click the **Data Source** field. The **Select a Coverage – Type: POLY** window appears.

In the **Coverages** window, click to select **landuse**. Click **OK**.

In the **Poly Theme Properties** window, click to select **Attribute** as the drawing function. To select the symbolset file, click **Symbolset**.
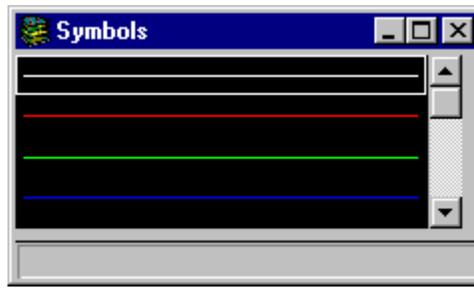
The **Select a Symbolset File** window appears. Click to select **Local**. In this exercise, the file needed is on Local.

Select **landcolors.shd**.

Before drawing a coverage, change the color of the line. Right-click on the number **2** next to the **Polygon Outlines** in the **Poly Theme Properties** window (near the bottom of the window on left). The **Symbols** window appears.

Scroll through the list to click the line color desired. Once selected, the window will close. The number next to **Polygon Outlines** will change to reflect the new line selection.

Next, select the attribute to base the symbolset on. For this exercise, use **Landbase-code**. Under **Attribute** in the **Poly Theme Properties** window, scroll and select **landuse-code**.

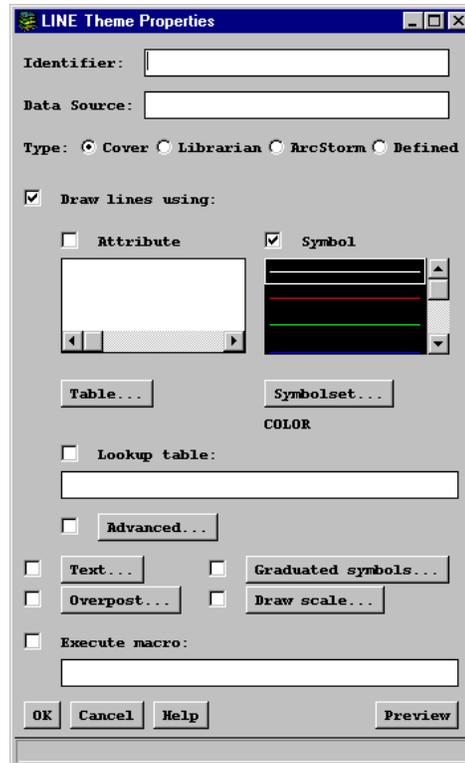To view the changes, click **Preview** at the bottom of the **Poly Theme Properties** window.

In the **GRID** (or map view) window, the coverage will draw itself using the selected symbolset and linetype. Click **OK** to close the **Poly Theme Properties** window.
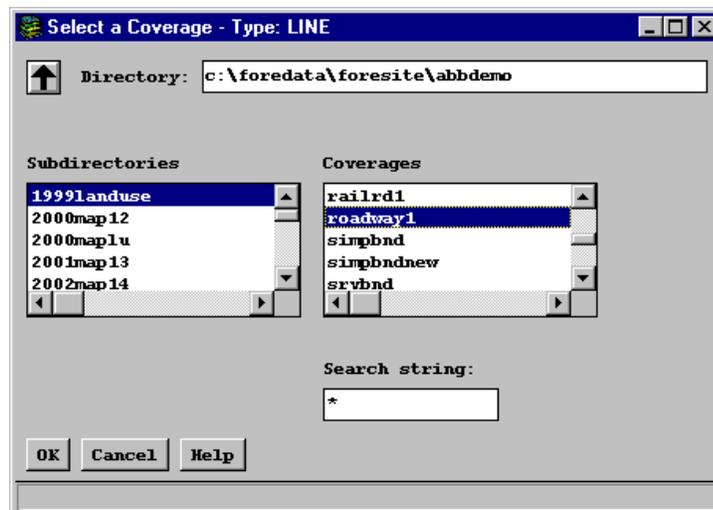
Creating a Road Theme

To create a road theme:

From the **Add New Theme** window, select **Coverage** from the **Categories** list and **Line** from the **Theme Classes** list.

The **Line Theme Properties** window appears.

Right-click the **Data Source** field and select **roadway1** from the **Coverages** list in the **Select a Coverage – Type: LINE** window. Click **OK**.

In this part of the exercise, use Symbols for the Drawing Function.

In the **Line Theme Properties** window, click to select **Symbols** as the **Drawing Function**.
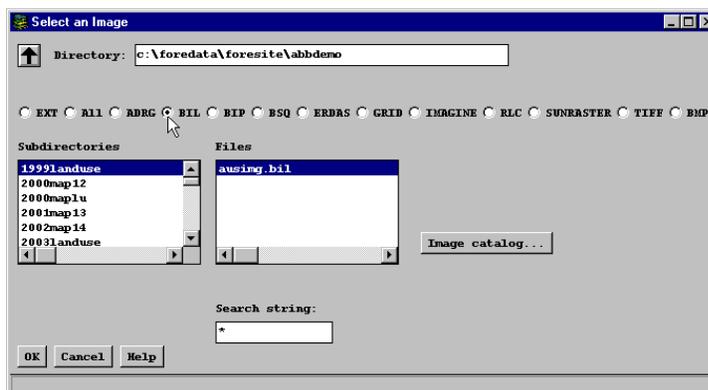
Click **OK** to return to the **Theme Manager** window.

Creating an Image Theme

To create an image theme:

In the **Add New Theme** window, click to select **Image** under **Categories** and **Image** under **Theme Classes**.
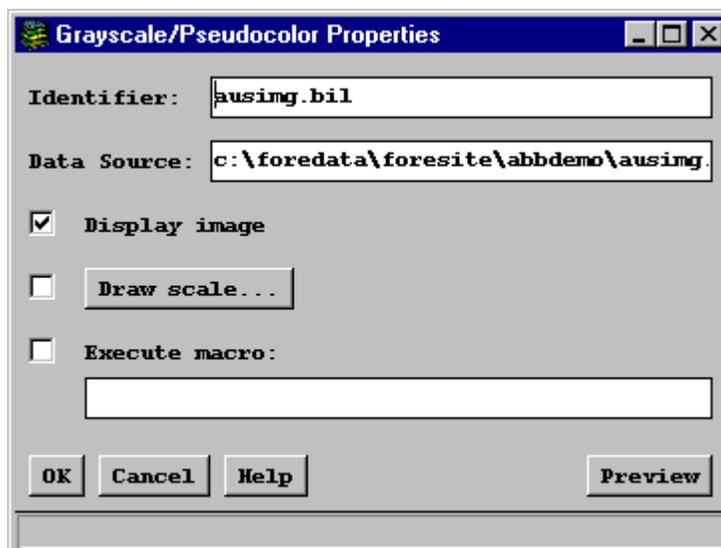
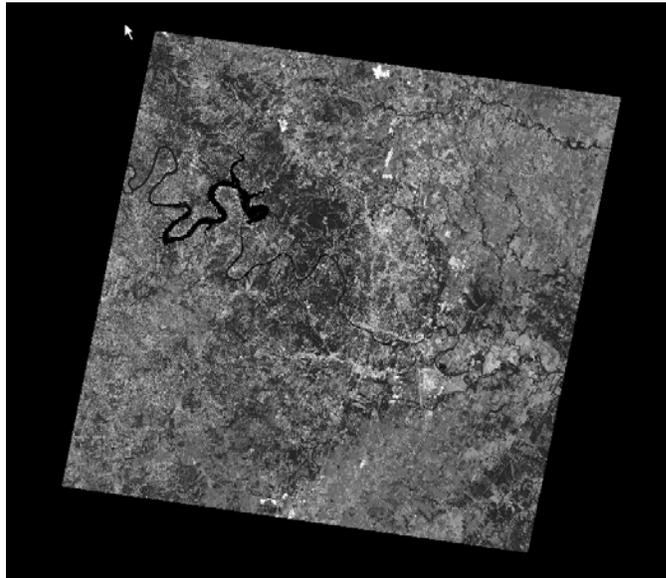The **Select an Image** window appears.

Click to select **.BIL** to display the images.

Click on the image desired and then **OK**.

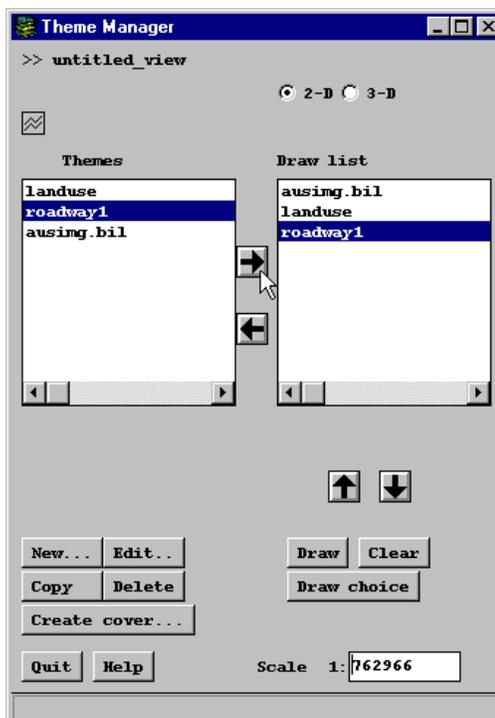The **Grayscale/Pseudocolor Properties** window appears.

If no changes need to be made, click **OK**. If desired, click **Preview** to see the image on the map. See below for an example.
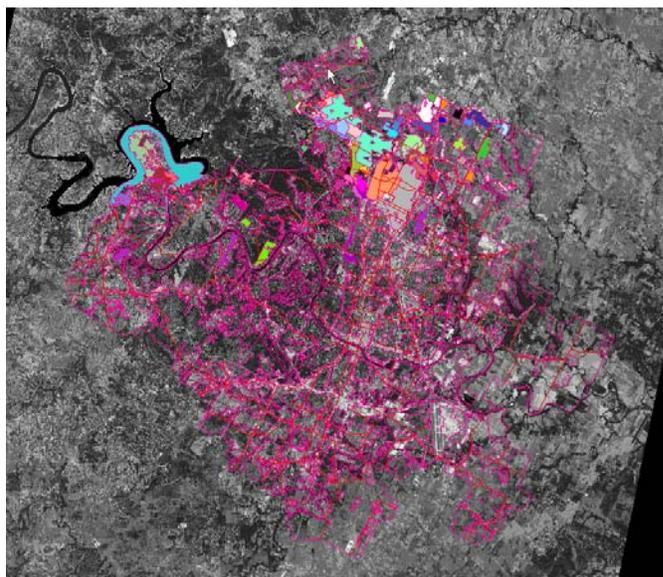

Once coverages are completed, from the **Theme Manager**, move all the themes from the **Themes List** to the **Draw** list by clicking to selecting each one and then on the right arrow.

When drawing coverages, FORESITE will draw from the top of the list to the bottom. In this instance, the image should be at the top of the list, landuse in the middle, and the roads at the bottom. Arrange the order by clicking the up and down arrows.

Once the themes are in order, click **Draw**. The themes will draw and the finished view displayed in the map window. Click **Quit** to close the **Theme Manager** and **Add New Theme** windows.

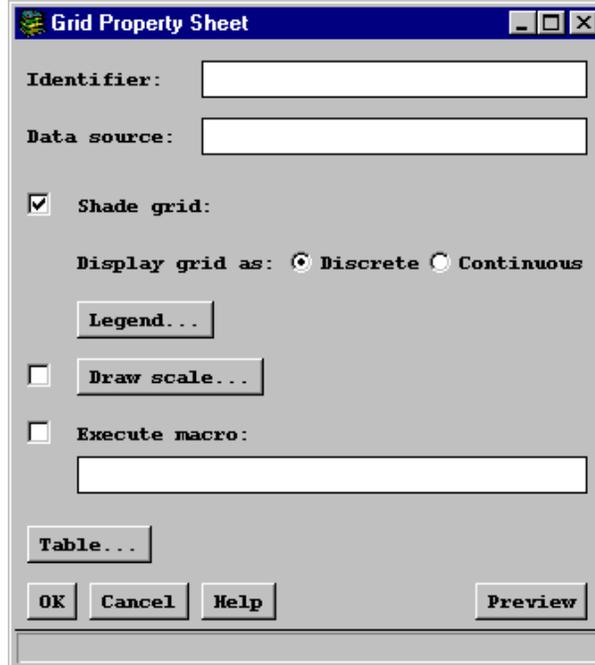An example of a finished view is below.
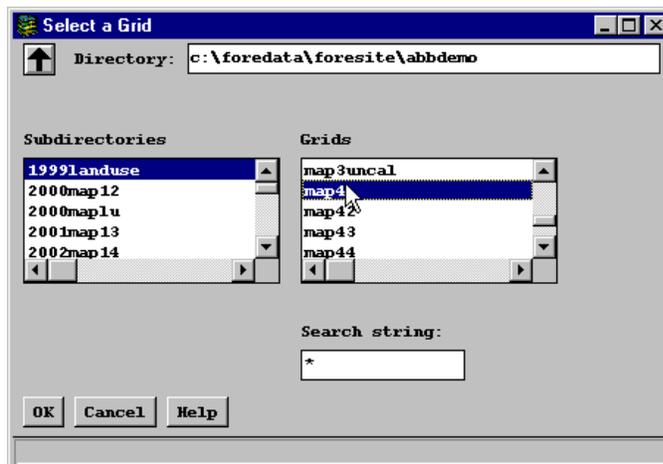
Creating a Factor Theme

To create a factor theme:

In the **Add New Theme** window, click to select **Grid** in the left-hand window and click to select **Grid** in the right-hand window.

The **Grid Property Sheet** window appears.

Right-click in the **Data Source** text box. The **Select a Grid** window appears.
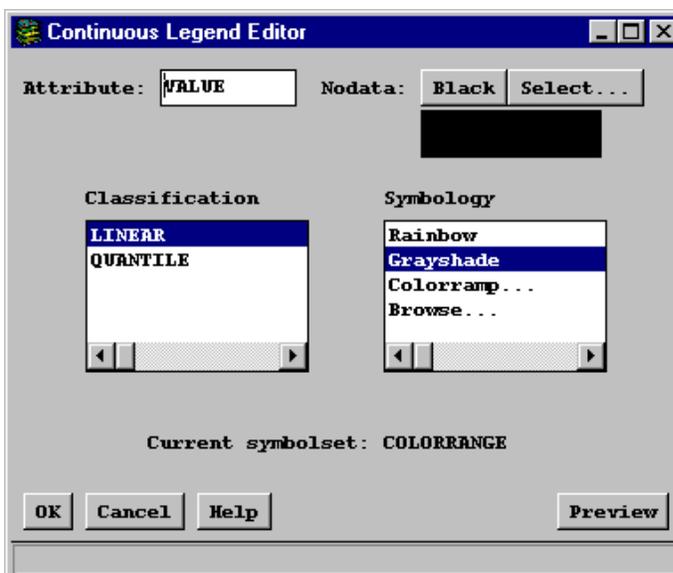
Scroll through the right-hand list, **Grids**, and click to select **map41**. Click **OK**.

The **Grid Property Sheet** will reappear.

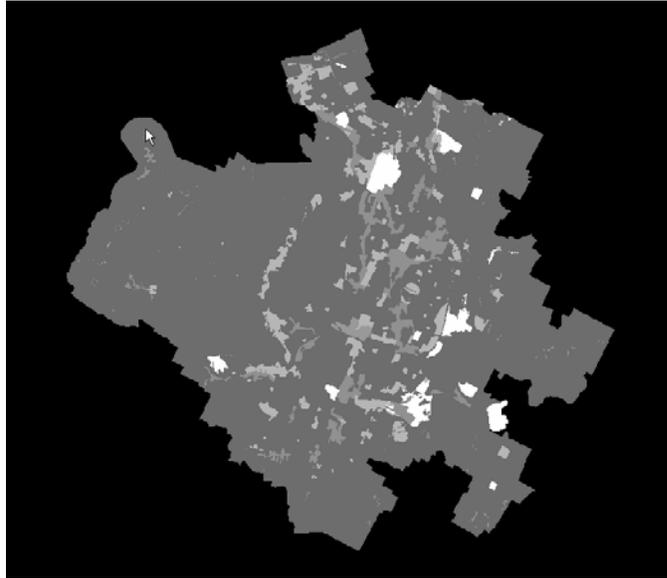Click to select **Continuous** for continuous color coverage.

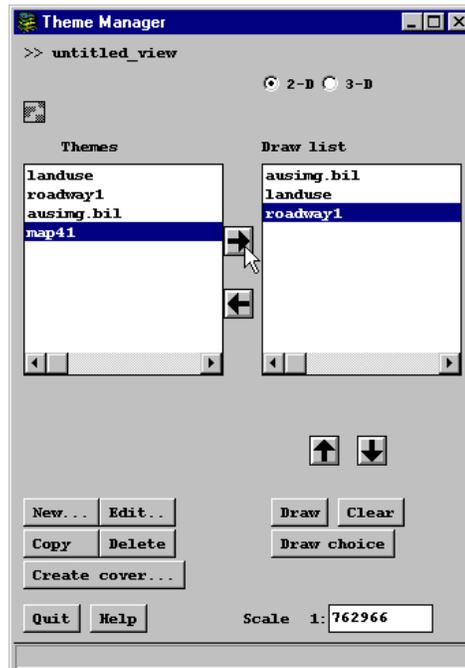Click the **Legend** button. The **Continuous Legend Editor** window appears.

Click to select **Grayshade** under the **Symbology** list. Click **OK** to close the window. The **Grid Property Sheet** window reappears.
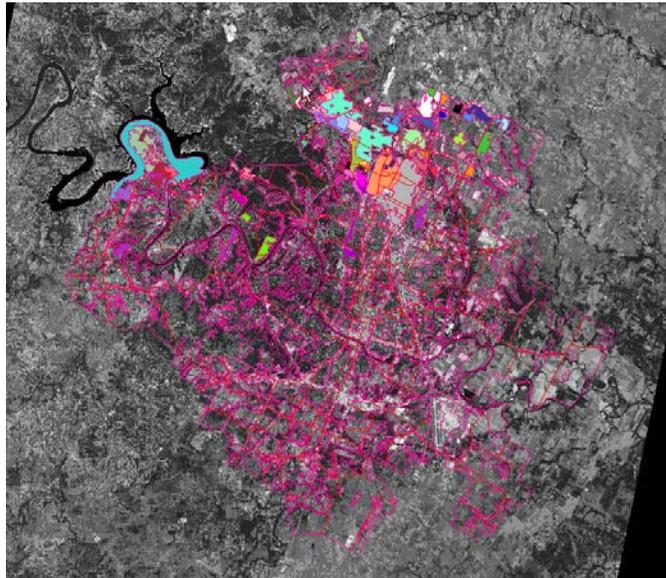
If desired, click **Preview** in the **Grid Property Sheet** window. Then click **OK** to return to the **Theme Manager window**. See below for a preview example.

In the **Theme Manager,** under the **Themes** list, click to select **map41**, then click the **right arrow** to move it to the **Draw list**.

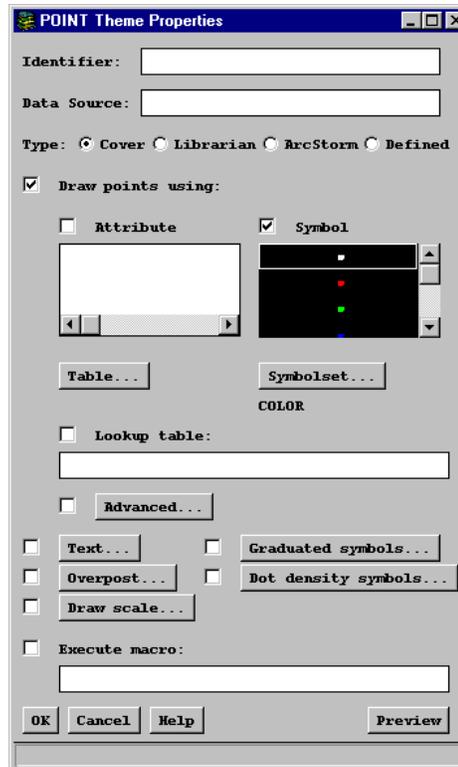Click **Draw.** Click on the **Grid** window to view the new map. An example is below.

Click **Quit** to exit the **Theme Manager**.

Creating a Theme Using a Markerset
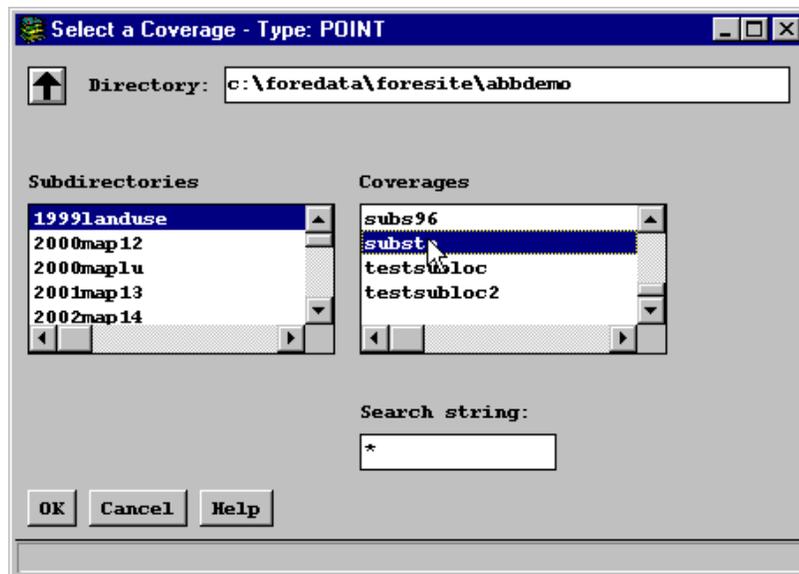
To create a theme using a markerset:

In the **Add New Theme** window, click **Coverage** under Categories and **Point** under **Theme Classes**.

The **Point Theme Properties** window appears.

Right-click in the **Data Source:** textbox. The **Select a Coverage – Type: POINT** window appears.
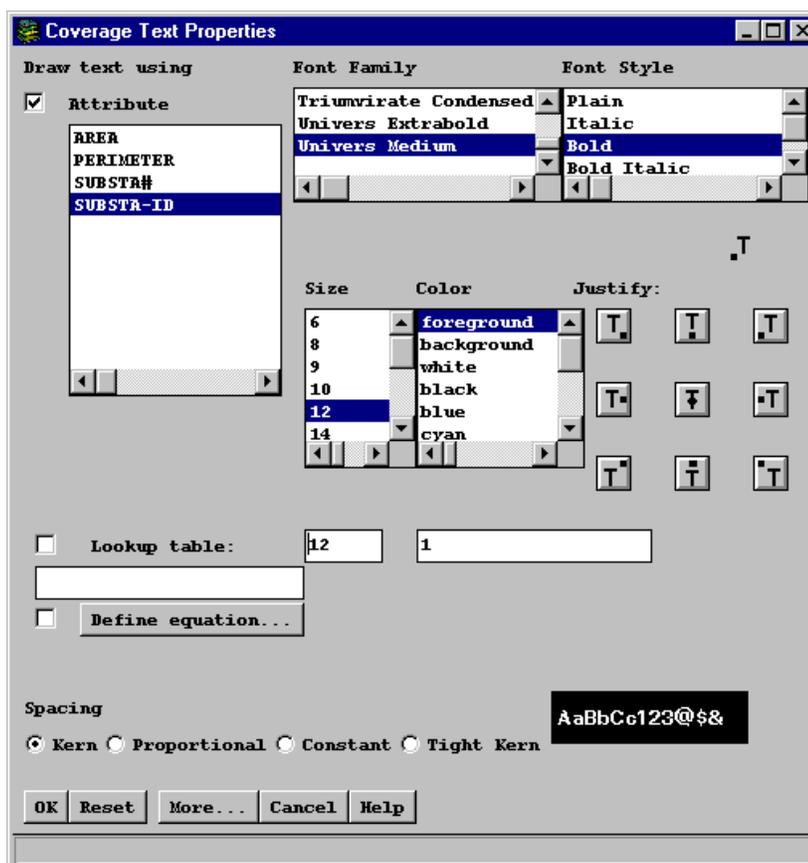

Click to select **substa** under **Coverages**. Click **OK**.

In the **Point Theme Properties** window, click to select **Symbol**, then click the desired symbol from the list below.
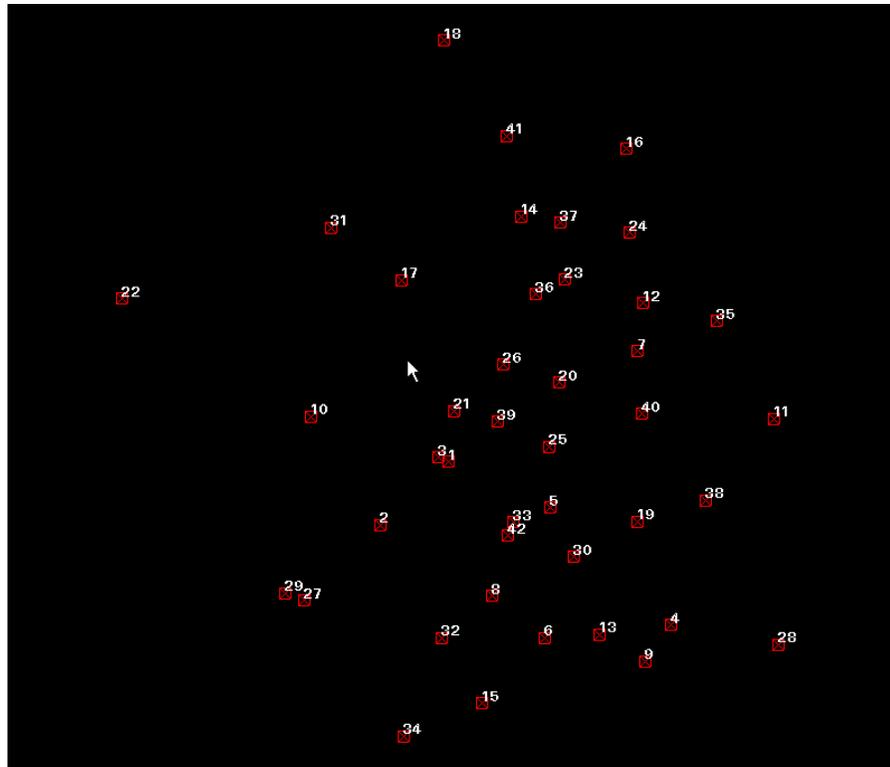
Click to select **Text**, then click the **Text** button. The **Coverage Text Properties** window appears.

From the **Attribute** list, click to select **substa-ID**.

Select the desired properties (font, font size, bold, regular, etc.) for the text to appear and then click **OK**.
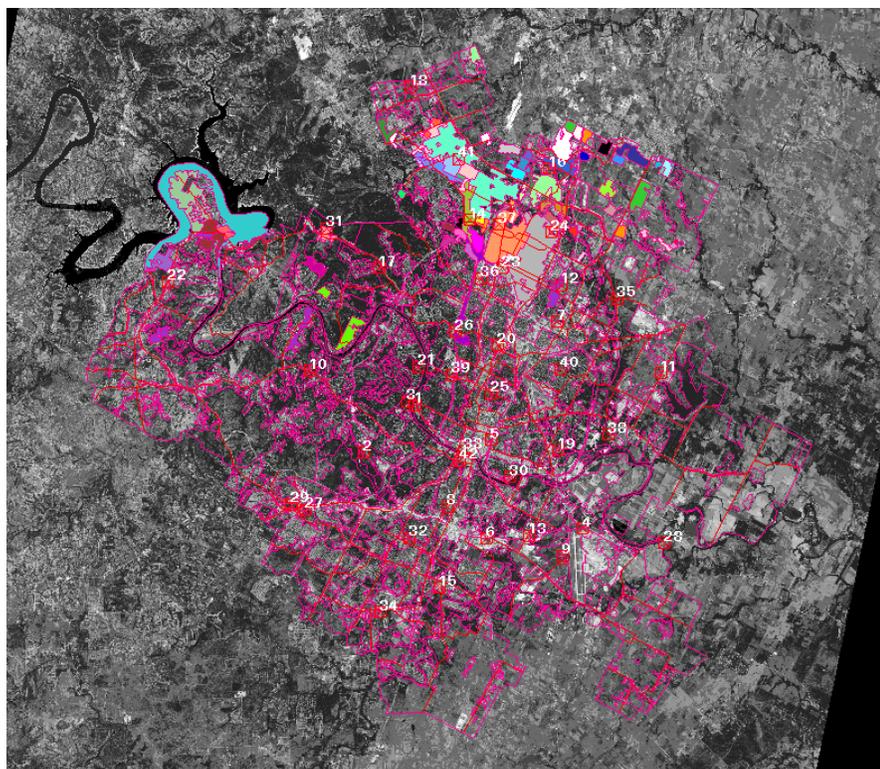

The **Point Theme Properties** window appears. Click **Preview** to see the changes made. An example appears below.

Click **OK** to close the **Point Theme Properties** window. In the **Theme Manager** window, click the **right arrow** to move **substa** under the **Draw List**.

Click **Draw**. The map will redraw and can be viewed in the **Grid** window.

Click **Quit** to exit the **Theme Manager**. See below for instructions on the **Confirm** window that appears.
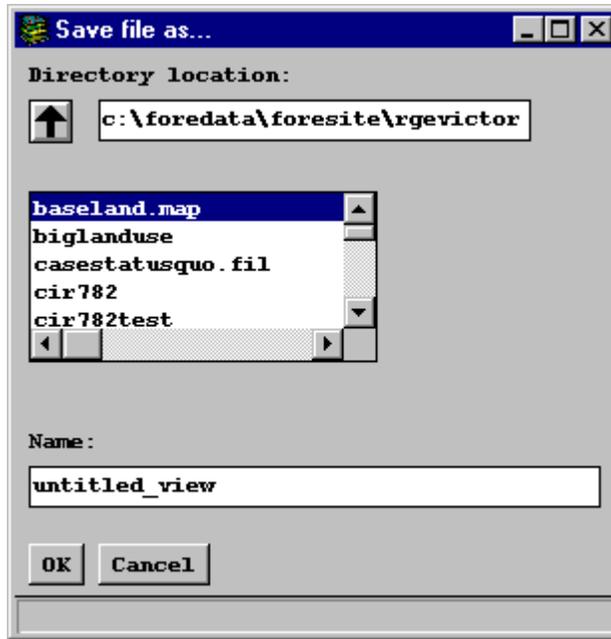
Saving a View

The views used to display data can be saved. There are two methods to save a View.

The first one:
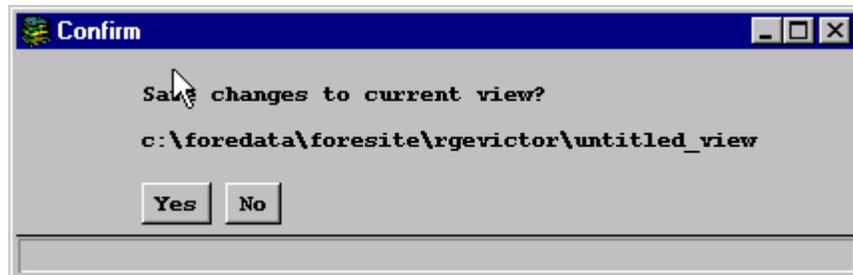
From the FORESITE main tool bar, click **View → Save**.

The **Save file as…** window appears. Type in the name of the view in the text box under **Name** and click **OK**.

NOTE: The file name must end in _View.

The second method:

From the **Theme Manager** window, click **Quit**. The **Confirm** to save window appears.

Click **Yes**. The **Save file as…** window appears. Follow the steps above to save the view.