Section

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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** \rightarrow **New**.

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

Categories: T Coverage Tin Network DynSeg Grid Image Kelp Cancel Kelp Help Theme Manager >> untitled_view	heme classes: oint ine oute oly egion ode iode
Coverage	oint ine oute oly egion ode
Tin II Network II DynSeg Grid II Image II Cancel Help Cancel Help	ine oute oly egion ode
Network DynSeg Grid Image Cancel Help Theme Manager >> untitled_view	oute oly egion ode
DynSeg Grid Image Image Cancel Help Theme Manager >> untitled_view	oly egion ode
Grid Image	egion ode
Image Image Image Image Cancel Help Cancel Help Theme Manager >> untitled_view	
Cancel Help Theme Manager	
Cancel Help Theme Manager Note: Name Manager	
Theme Manager	
Theme Manager	
Theme Manager	
>> untitled_view	
	⊙ 2-n O 3-n
Themes	Draw list
—	

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

➡

Draw choice

Clear

Draw

1:

Scale

Edit.

Delete

Create cover..

Help

New... Сору

Quit

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.

POLY Theme Properties
Identifier:
Data source:
Type: • Cover C Librarian C ArcStorm C Defined
✓ Draw shaded polygons using:
🗖 Attribute 🔽 Symbol
Table Symbolset
COLOR
Lookup table:
Rdvanced
Polygon outlines: 2
Text Graduated symbols
Overpost Dot density symbols
Draw scale
Execute macro:
OK Cancel Help Preview

To set up the landuse theme:

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

Select a Coverage - Type: PO	LY	_ 🗆 ×
Directory: C:\foredat	a\foresite\abbdemo	
Subdirectories	Coverages ingcov landsansung landuse lu2000map lu2001map v	
	Search string:	
OK Cancel Help		

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.

Select a Symbolset File	e	_ 🗆 ×
Directory: c:\f	oredata\foresite\abbdemo	
	🖲 Local 🔿 System	
Subdirectories	Symbolset Files	
19991anduse 2000map12 2000map1u 2001map13 2002map14 20031anduse 4	<pre>landcolors.shd v </pre>	Þ
landcolors.shd 1 2 3 4 0K Cancel Help	▲ ▼	

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.

👹 Symbols	

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.

LINE Theme Properties
Identifier:
Data Source:
Type: 🕑 Cover C Librarian C BrcStorm C Defined
✓ Draw lines using:
🗌 Attribute 🔽 Symbol
Table Symbolset COLOR
Lookup table:
Advanced
Text Graduated symbols
Uverpost Jraw scale
Execute macro:
OK Cancel Help Preview

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

👺 Select a Coverage - Type: LIN	NE	_ 🗆 🗙
Directory: c:\foredat	a\foresite\abbdemo	
Subdirectories	Coverages railrd1 roadway1 simpbnd simpbndnew srvbnd t	
	Search string: *	
OK Cancel Help		

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.

😂 Select an Image	_ D ×
Directory: c:\foreda	ta\foresite\abbdemo
C EXT C ALL C ADRG C BIL	C BIP C BSQ C ERDAS C GRID C IMAGINE C RLC C SUNRASTER C TIFF C BMP
Subdirectories	Files
19991anduse 2000map12	ausing.bil
2000maplu 2001map13 2002map14	
2002hap14 2003landuse	Image catalog
	Search string:
OK Cancel Help	*

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

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

The Grayscale/Pseudocolor Properties window appears.

Grayscale/Pseudocolor Properties
Identifier: ausimg.bil
Data Source: c:\foredata\foresite\abbdemo\ausimg.
✓ Display image
Draw scale
Execute macro:
OK Cancel Help Preview



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.

💐 Theme Manager	
>> untitled_view	
	🛈 2-D 🔿 3-D
\bowtie	
Themes	Draw list
landuse	ausimu bil
roadway1	landuse
ausimg.bil	roadway1
- <u>-</u>	
New Edit	Draw Clear
Comp. Doloto	Duran abasian
Copy Delete	Braw choice
Create cover	
Quit Help	Scale 1: 762966

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.

🚝 Grid Property Sheet
Identifier:
Data source:
▼ Shade grid:
Display grid as: 💿 Discrete 🔿 Continuous
Legend
Draw scale
Execute macro:
Table
OK Cancel Help Preview

Right-click in the Data Source text box. The Select a Grid window appears.

👺 Select a Grid		- 🗆 ×
Directory: c:\foredat	a\foresite\abbdemo	
Subdirectories 19991 anduse 2000map12 2000map1u 2001map13 2002map14	Grids map 3uncal map 4 map 42 map 43 map 43 ¥	
	Search string:	
OK Cancel Help		

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.

👺 Grid Property Sheet
Identifier: map41
Data source: c:\foredata\foresite\abbdemo\ma
▼ Shade grid:
Display grid as: 🔿 Discrete 🖲 Continuous
Legend
Draw scale
Execute macro:
Table
OK Cancel Help Preview

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

👹 Continuous Legend Editor			_ 🗆 🗵
Attribute: VALVE	Nodata:	Black	Select
Classification	Sym	bology	
LINEAR	Rai	inbow	
QUANTILE	Gra	ayshade	
	Col	lorramp	
	Bro	wse	
	•		F
Current symbo	lset: COL	ORRANGE	
OK Cancel Help			Preview

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.

POINT Theme Properties
Identifier:
Data Source:
Type: © Cover O Librarian O BrcStorm O Defined
✓ Draw points using:
🗖 Attribute 🔽 Symbol
Table Symbolset
COLOR
Lookup table:
Advanced
Text Graduated symbols
Overpost Dot density symbols
Draw scale
Execute macro:
OK Cancel Help Preview

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

Select a Coverage - Type: PO	DINT	- 🗆 ×
Directory: c:\foredat	a\foresite\abbdemo	
Subdirectories	Coverages	
19991anduse	subs96	
2000map12	subst	
2000mapiu	testswicc	
2001map13	testsublocz	
	Search string:	
	*	
OK Cancel Help		

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**.

Sector Coverage Text Properties			- 🗆 ×
Draw text using	Font Family	Font Style	
🗹 Attribute	Triumvirate Condensed	Plain Italia	-
AREA PERIMETER	Univers Medium	Bold Thelie	
SUBSTA# SUBSTA-ID			
	Size Color 6 A foreground 8 Background 9 White 10 black 12 blue 14 Cyan 1 I I I I I I I I I I I I I I I I I I I	Justify:	
Lookup table:			
Spacing © Kern © Proportional © OK Reset More Ca) Constant () Tight Kern ancel Help	AaBbCc123@\$&	

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.

Save file as
Directory location:
c:\foredata\foresite\rgevictor
baseland.map
biglanduse 🔤
casestatusquo.fil
cir782
cir782test
Name:
untitled_view
OK Cancel

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.