

## “Clip” a GRID Using a Polygon Shapefile

These instructions enable you to clip a grid theme in ArcView 3.2 using the following required extensions:

- Spatial Analyst
- Grid Analyst

Note: Grid Analyst has a lot of other functionality for working with grids.

### ORIGINAL DATA THEMES

<b>Boundary.shp</b>	a polygon shapefile
<b>DEM</b>	sample raster grid file

### CREATED DATA THEME

<b>DEM_BND</b>	the clipped/extracted grid
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### ***Start the ArcView project:***

1. Open ArcView and create a new project (if needed)
2. Load the extensions
3. Add the grid and polygon themes to a new view
4. Optionally, select particular polygon(s) or use the entire shapefile

### ***Clip the grid by the polygon:***

5. Make the [DEM] grid the active theme
6. Choose GRID ANALYST → EXTRACT GRID THEME USING POLYGON
7. Click YES to continue
8. Select the desired polygon theme [Boundary.shp] from the drop down list to use in the clip
9. Click OK
10. Click YES to continue (Notice that you may also clip using selected polygons)

### ***Save the new grid theme:***

11. Make the new grid the active theme
12. Choose THEME → CONVERT TO GRID...
13. Give this new grid theme a name and save it in your working directory; e.g. [DEM\_BND]