Repeating Shapes

for ArcView 3.x and ArcGIS 9.x

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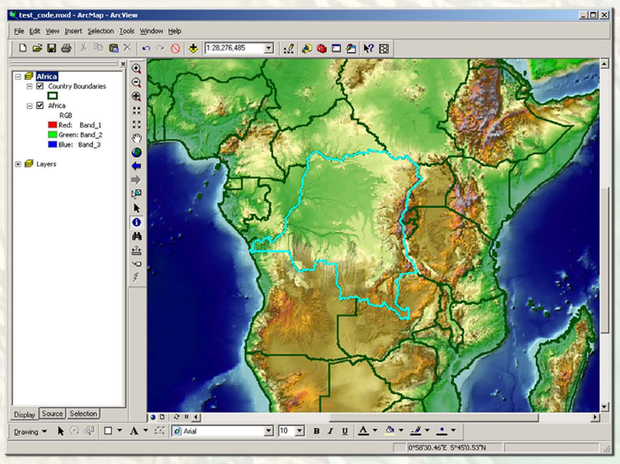
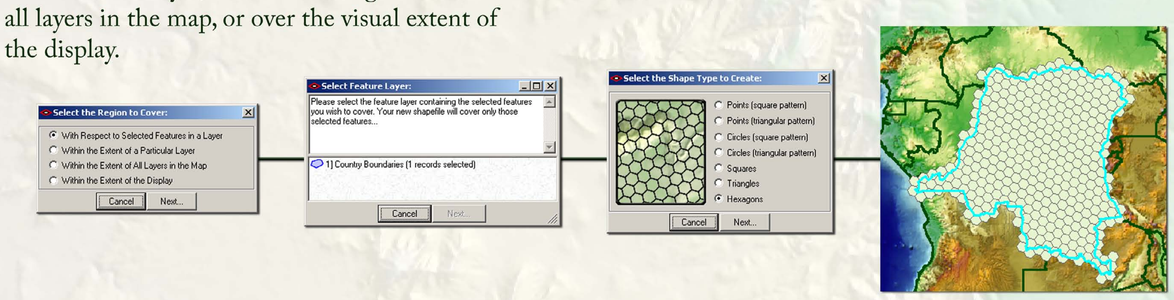
Generate Array of Repeating Shapes

Researchers and land managers often require a way to systematically divide the landscape into equal-sized portions. Breaking up the landscape this way simplifies monitoring plans, and is an essential step in developing systematic sampling designs.

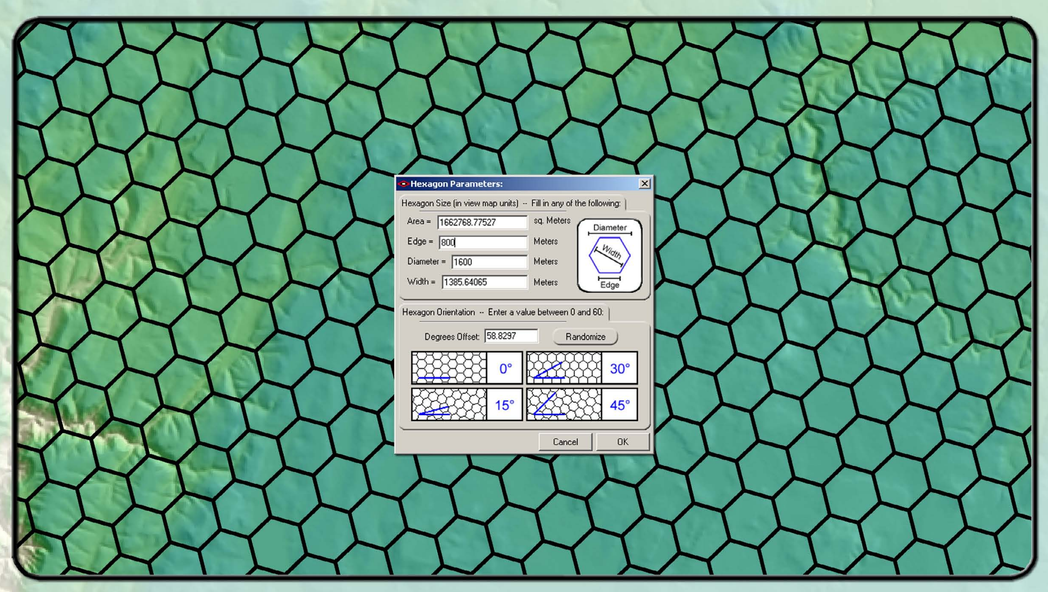
This tool generates an array of repeating shapes over a user-specified area. These shapes can be hexagons, squares, triangles, circles or points, and they can be generated with any directional orientation.

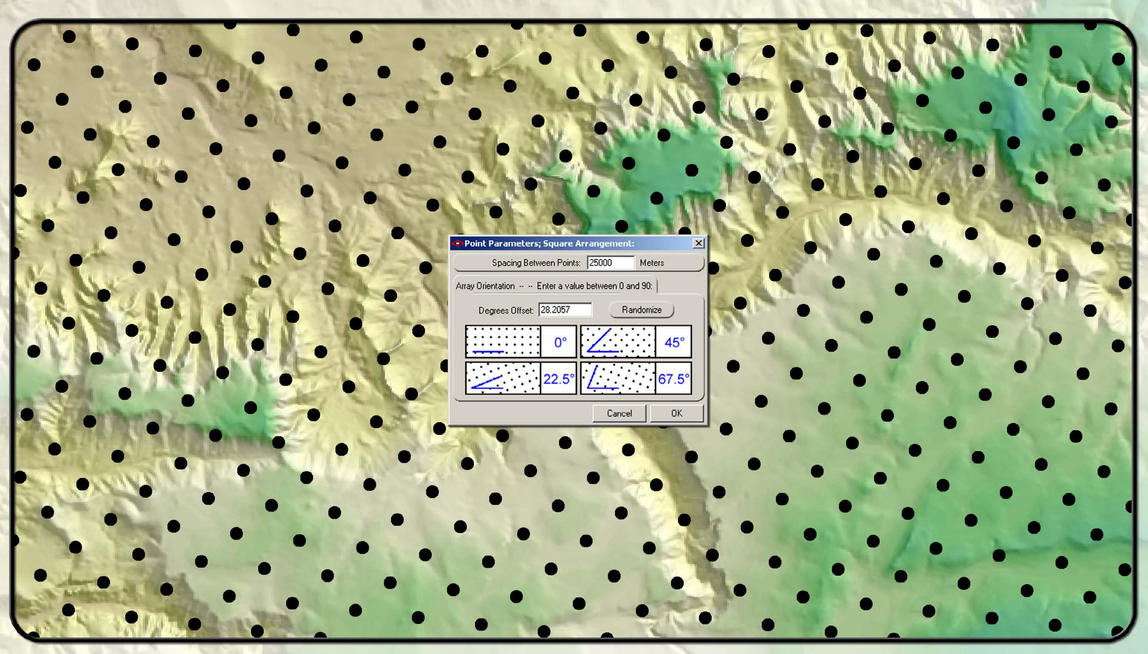
Shapes can be generated over all selected records of a feature layer, over the entire rectangular extent of a layer, over the rectangular extent of all layers in the map, or over the visual extent of the display.

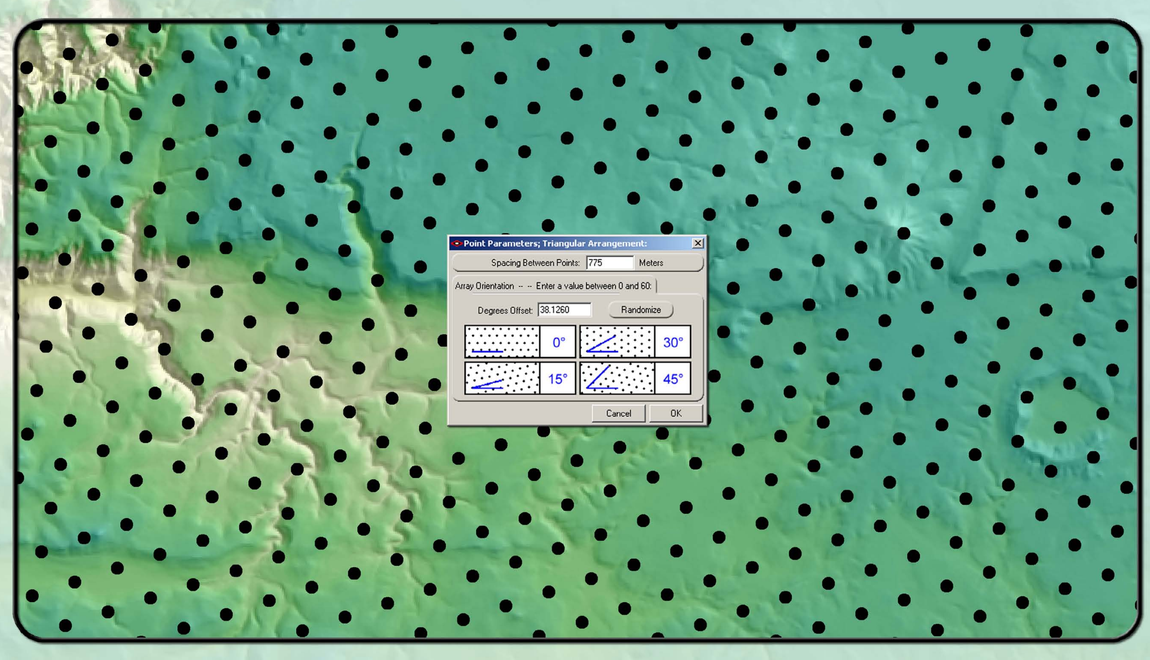


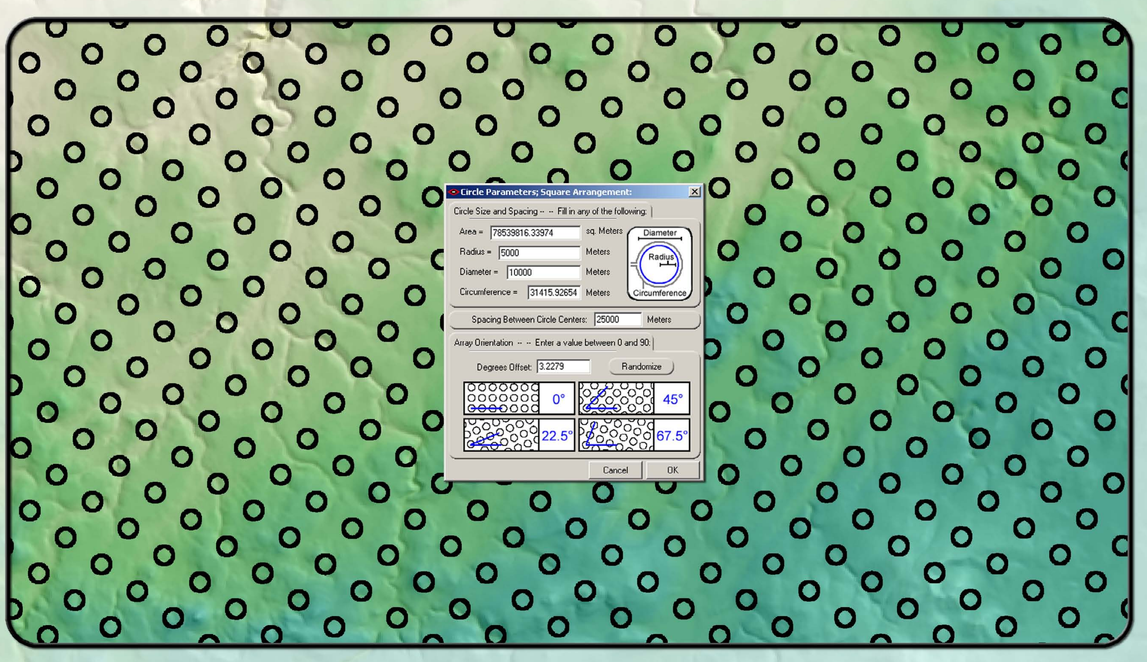


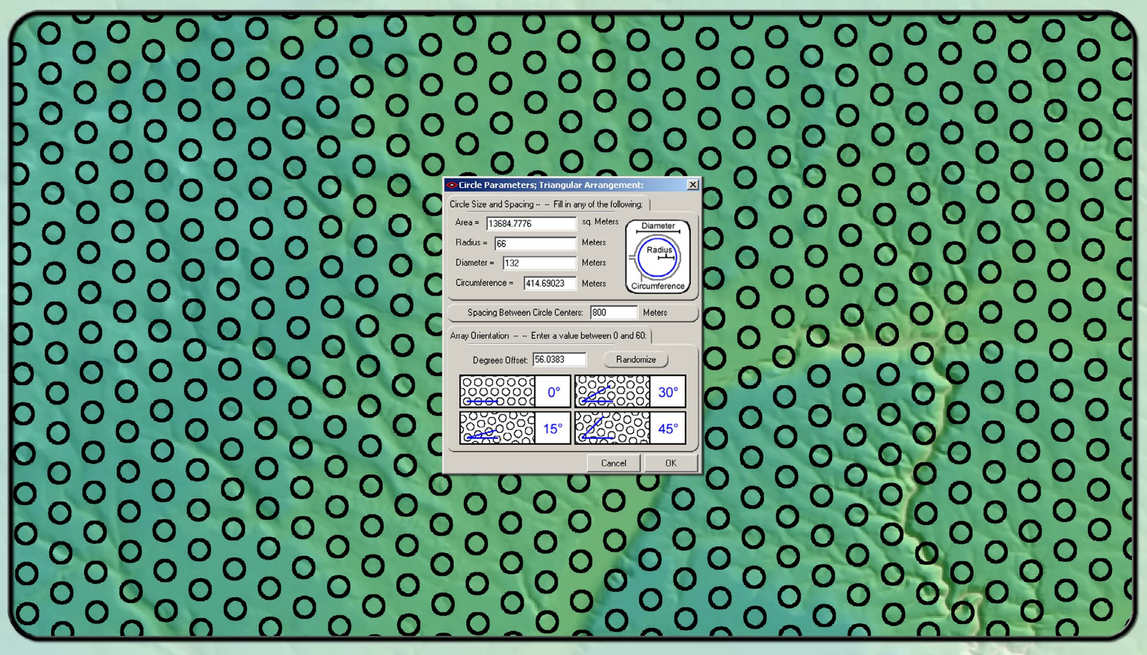
For those who have access to ArcView 3.x, this extension can be used in conjunction with the "Random Point Generator" extension *(http://www.jennessent.com/arcview/random_points.htm)* to generate random points within a systematically divided sampling area. This extension can be used to generate systematic polygons over the landscape, and the "Random Point Generator" extension can then be used to generate random sample points within those polygons.

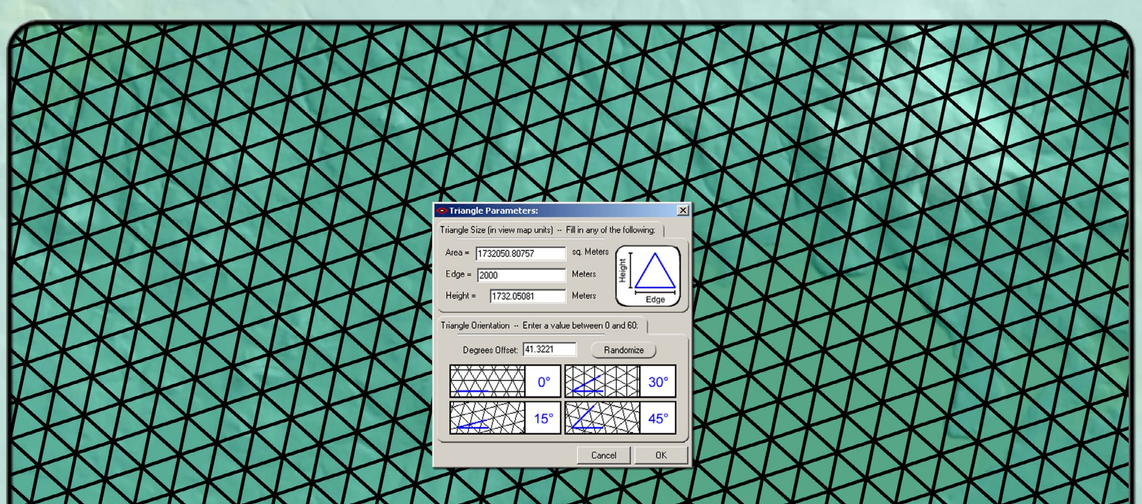












The Repeating Shapes tools for ArcView 3.x and ArcGIS are available for free download at http://www.jennessent.com/