



# MPath Spotlights – Temperature Map

## Create a temperature map

By applying a depth-temperature curve to a depth map, you can quickly create a temperature map. A curve is a simple ASCII file with two columns of numbers describing a simple relationship, such as depth-temperature. Using Curve Editor, you can quickly create, edit and plot curves in a variety of ways, including pasting from Excel, calculating a curve from an equation, fitting a curve from well data, or clicking points in a plot.

### Create a depth-temperature curve in Curve Editor

To create a depth-temperature curve:

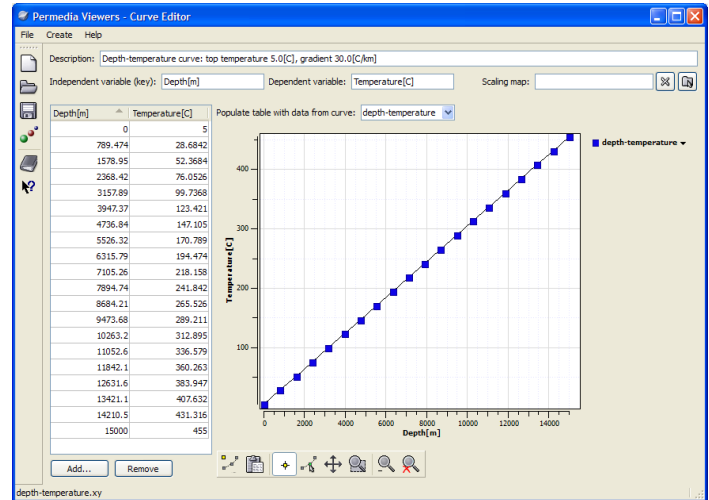
1. In the MPath main window, on the Utilities tab, click Curve Editor.
2. From the Create menu, choose Depth-Temperature Curve.
3. Set the curve parameters and click OK.
4. From the File menu, choose Save, enter a File name for the curve and click Save.

### Apply the curve to a depth map

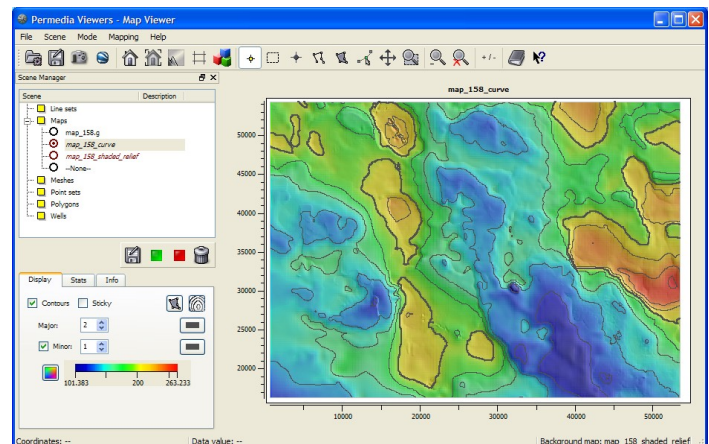
Once you have created a temperature curve, use Map Viewer to apply it to the depth map to create a temperature map:

1. Open the depth map in Map Viewer.
2. From the Mapping menu, choose Edit and Apply Curve.
3. Click Select, choose the temperature curve and click OK.
4. Click OK to apply the curve.

You can also drag and drop a curve from the main window onto the map in Map Viewer.



Depth-temperature curve in Curve Editor



Temperature map

## Other things to try

Use the temperature curve in 2D Orgas to create generation and expulsion maps of light and heavy components. (See the Expulsion Maps spotlight.)

Using Well Viewer, copy curves from wells into Curve Editor to create porosity, TOC and other well-based maps.