

Instructions to correctly display .gxf colour ramp in ArcGIS

.gxf files can be interrogated in ArcGIS and do not require any plugins or add-ons.

To enable the data to be viewed as intended in ArcGIS you will need to ensure the .gxf colour ramp is correct. To display it correctly the symbology stretch type needs to be 'Histogram Equalize' and the colour ramp needs to be 'Geosoft CLRA 32'.

Instructions on how to do this follow:

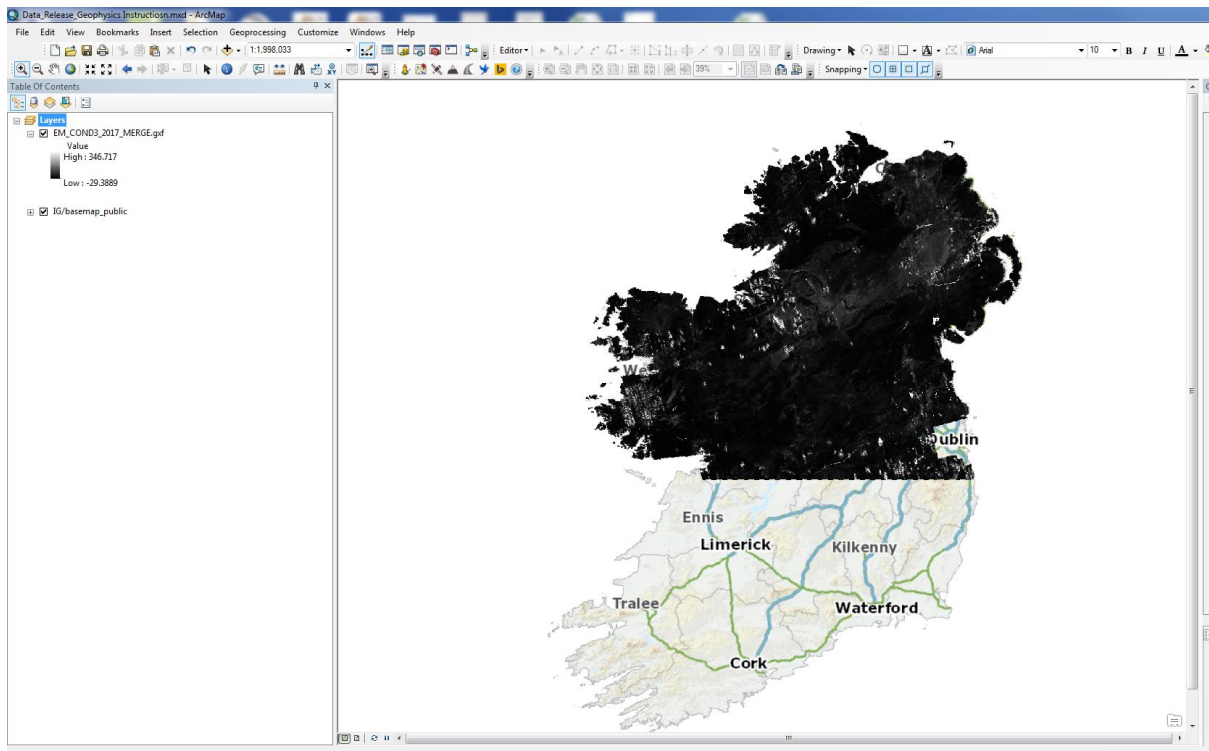


Figure 1 - Import the .gxf to a blank ArcGIS MXD

Import the .gxf into a blank MXD using the 'add data' tool. Once it has been imported it should look like Figure 1. Ensure the data frame coordinates system are in ITM projection (IRENET95 Irish Transverse Mercator).

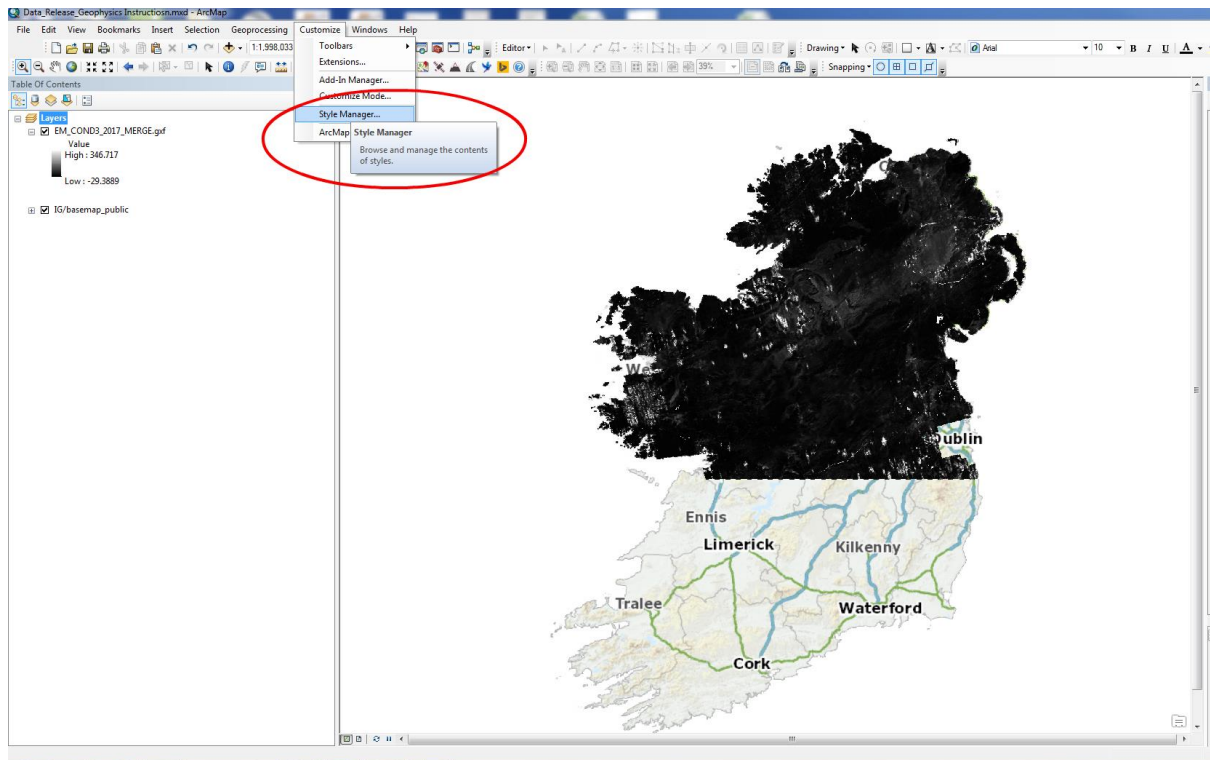


Figure 2 - Select the 'Style Manager'

Included in the .zip file for this download is the 'Geosoft style' file. We need to import this to find the correct Geosoft CLRA 32 colour ramp.

Click on the 'Customise' tab and then click the 'Style Manager' as shown in Figure 2.

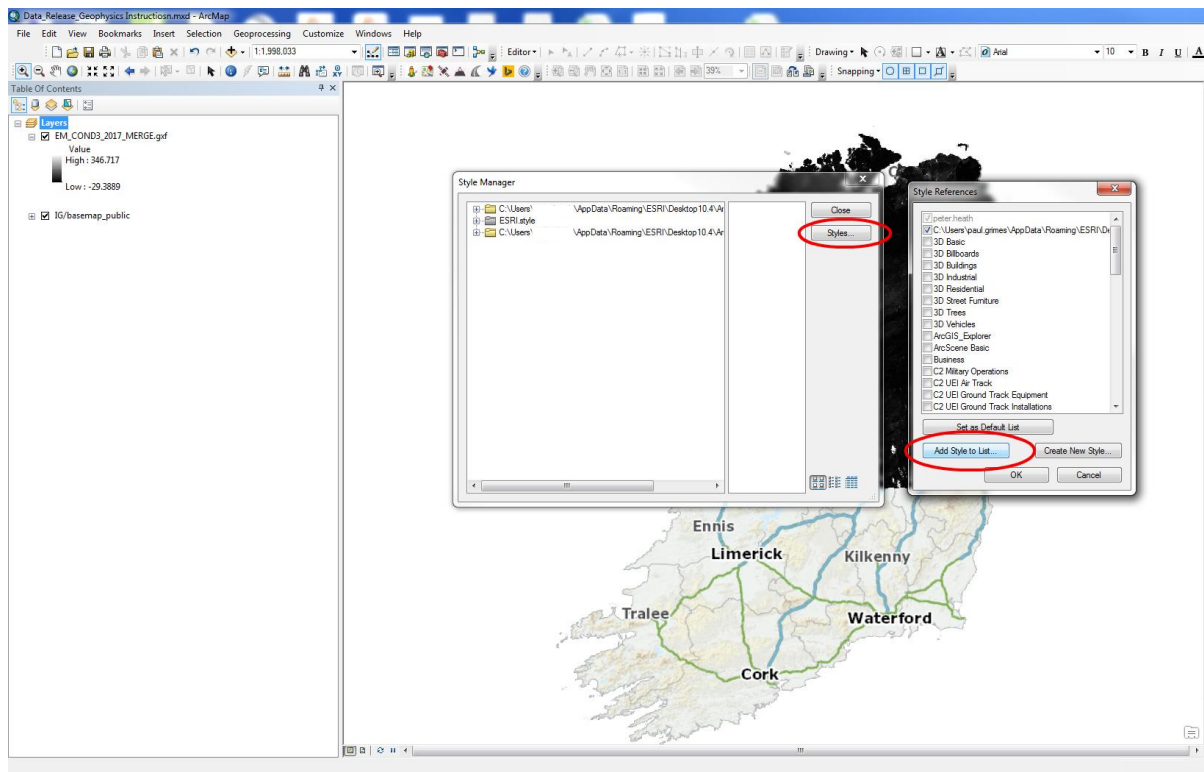


Figure 3 - Adding a style to the list

Next, as shown in Figure 3, from the 'Style Manager' Pop up click the button 'Styles...'. In the 'Styles Reference' pop up that appears next, click the 'Add Style to List...' button.

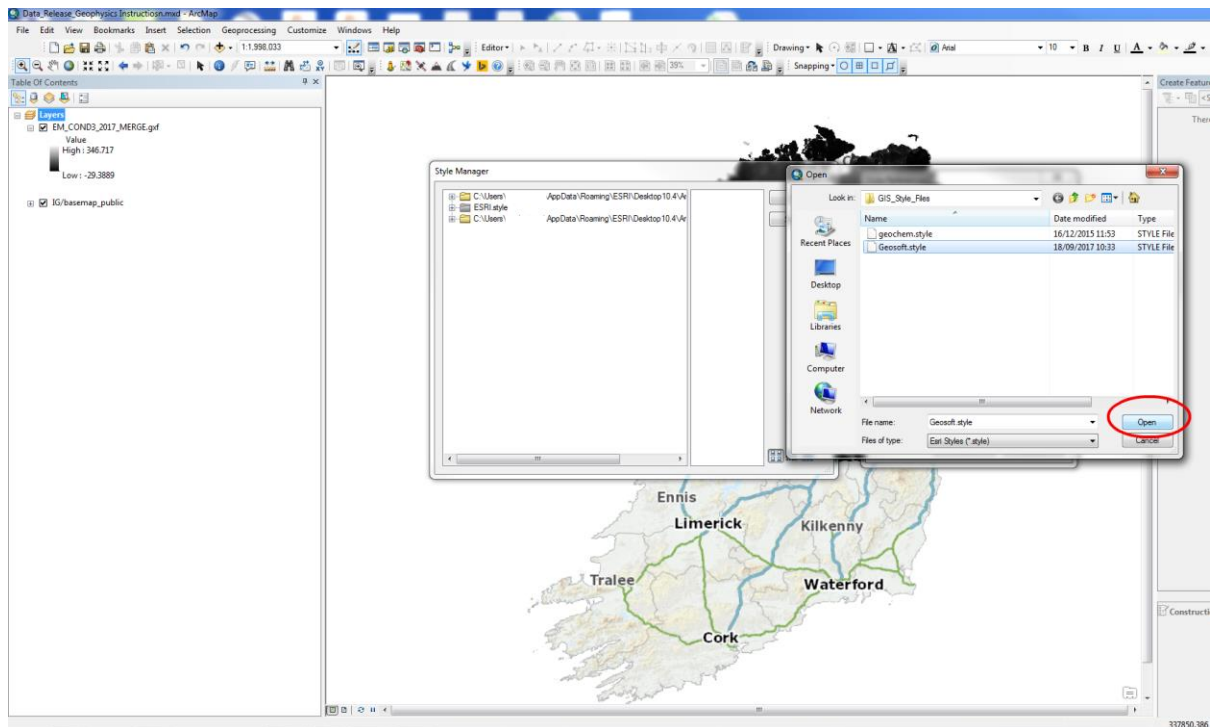


Figure 4 - Select the Geosoft style file

As shown in Figure 4, navigate to find the 'Geosoft.style' file that was contained in this download and click 'Open'.

Next, click 'OK' in the 'Styles Reference' pop up to close it and also click close in the 'Style Manager' Pop up.

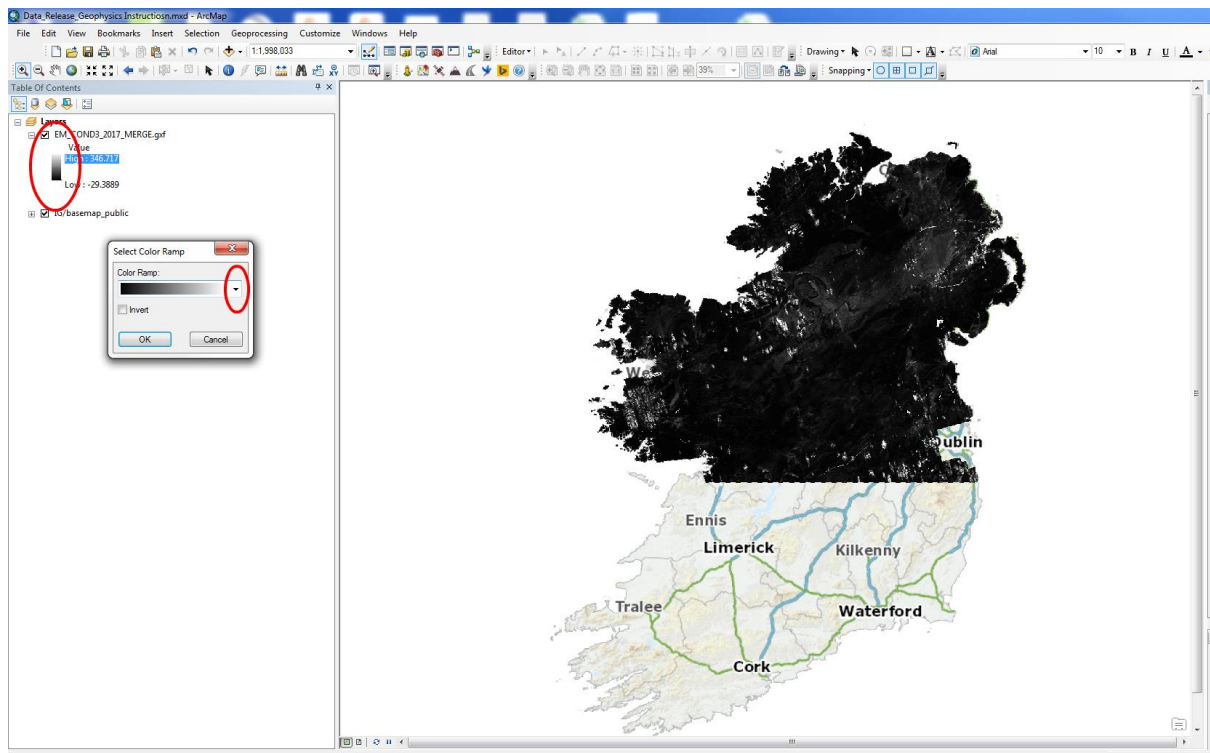


Figure 5 - Selecting the colour ramp

As shown in Figure 5, left click the image of a colour ramp to the left hand side of the .gxf layer so the 'Select Colour Ramp' pop up appears.

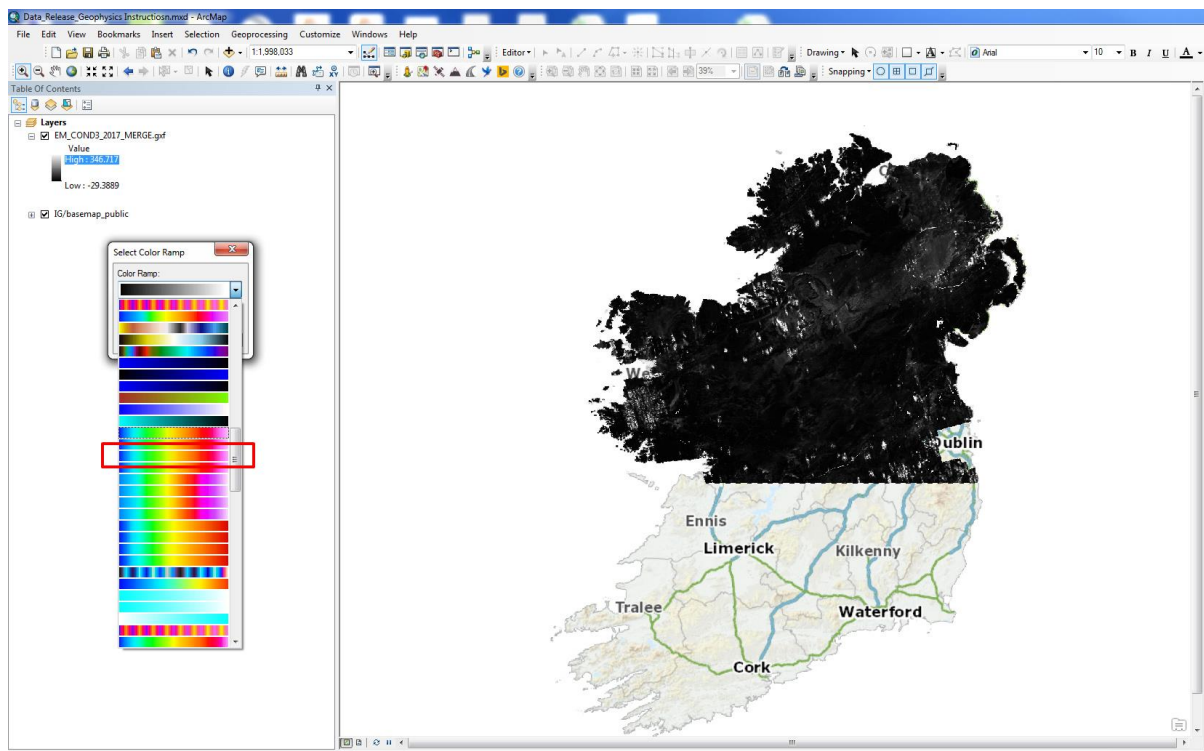


Figure 6 - Finding Geosoft CLRA 32

Figure 6 shows the colour ramps available. Unfortunately, no colour ramp names appear next to the individual colour ramp images, which are annoying; we need to ensure we are using the 'Geosoft CLRA 32'. To find this scroll down the colour ramp list till you find 12 obvious rainbow colour ramps in a row, the 'Geosoft CLRA 32' is the **third** one down, as shown in the red box of Figure 6. Select this and click 'OK' to close the 'Select Color Ramp' pop up.

(An alternative method to ensure you have the correct 'Geosoft CLRA 32' is to click on the 'Customise' tab go to 'Style Manager' button and select the filepath with the 'Geosoft.Style' file attached. Click on this and then click 'the 'Colour Ramps' folder and the order and name should help you to identify 'Geosoft CLRA 32'.)

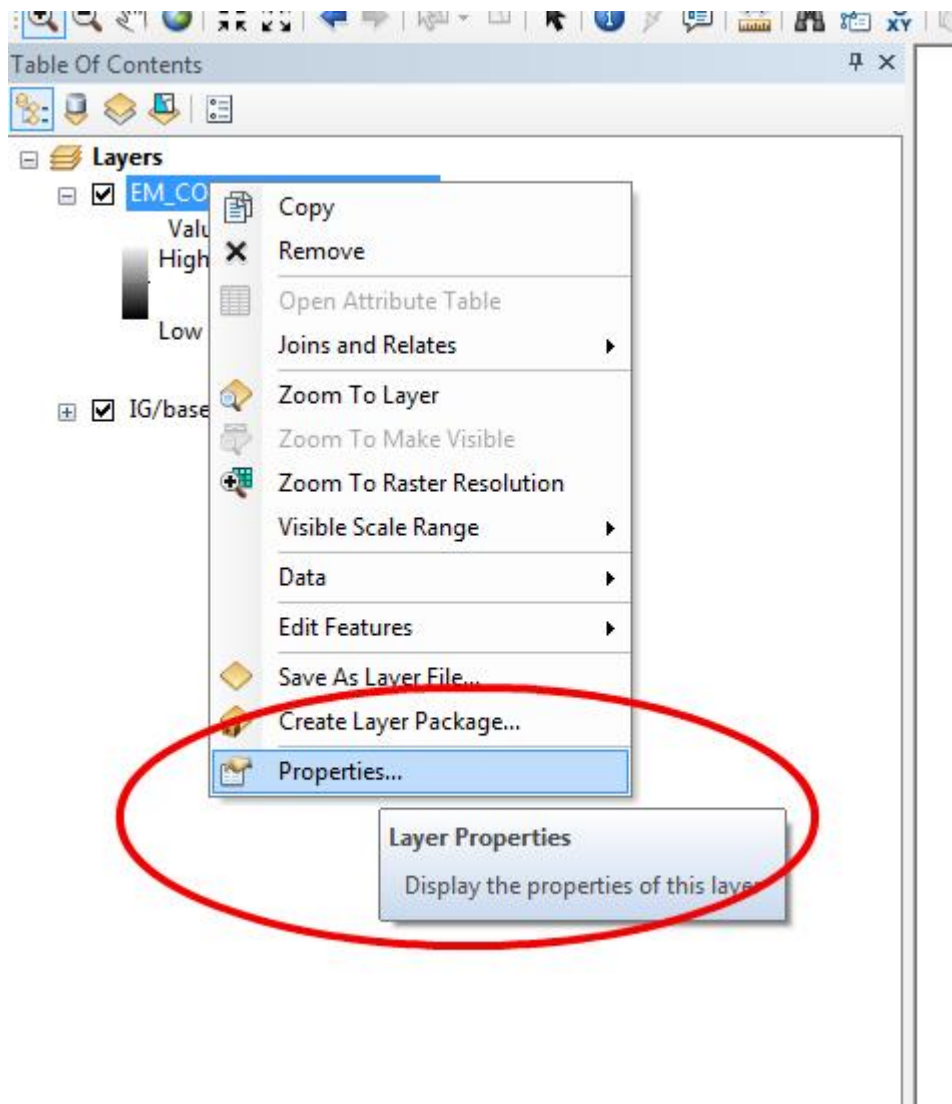


Figure 7 select properties

Next we need to 'Histogram Equalize' the 'Stretch Type' in the 'Symbology' of 'Properties'

First, right click the .gxf layer and select the 'Properties', as shown in Figure 7.

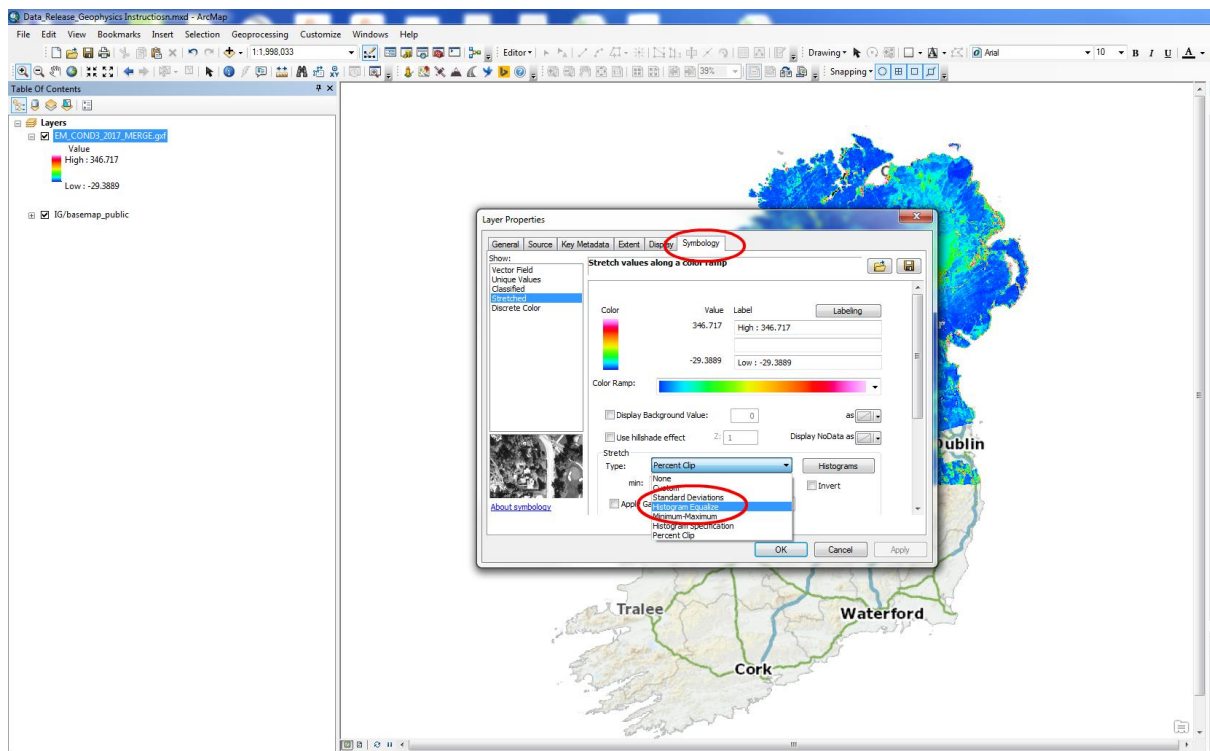


Figure 8 Select 'Histogram Equalize'

Select the 'Symbology' tab as shown in Figure 8 and click 'Histogram Equalize' in the 'Stretch Type'. Following this, click 'OK' to close the pop up.

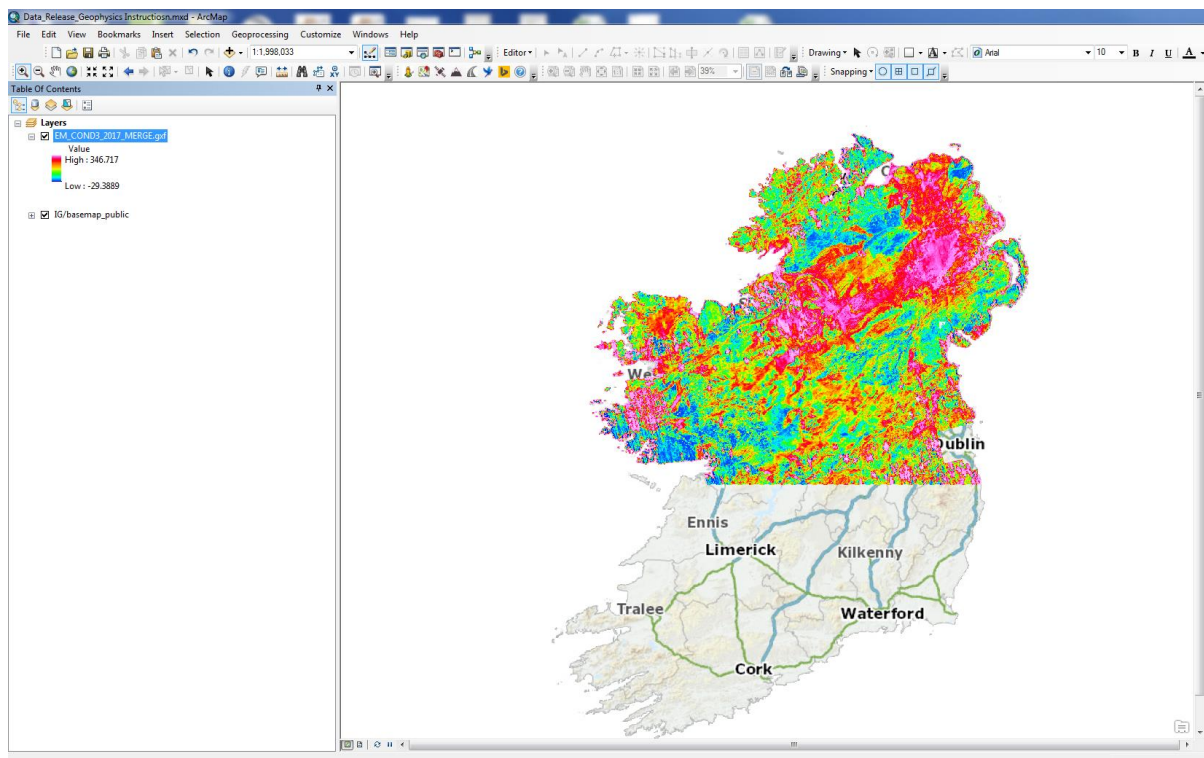


Figure 9 - Jobs a good un!

Theoretically the .gxf layer should be now viewed in the correct display, as intended.

If you have any issues please contact: tellus@gsi.ie