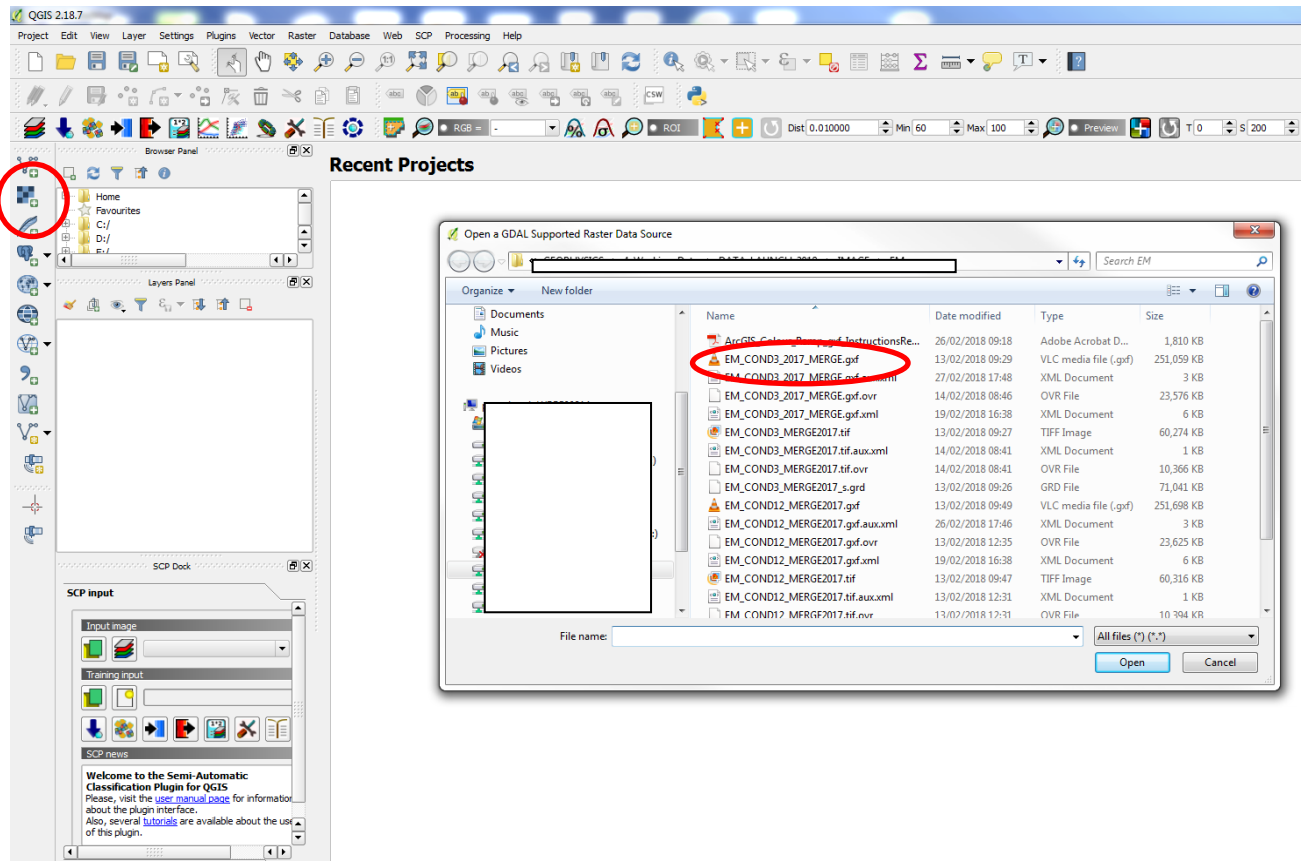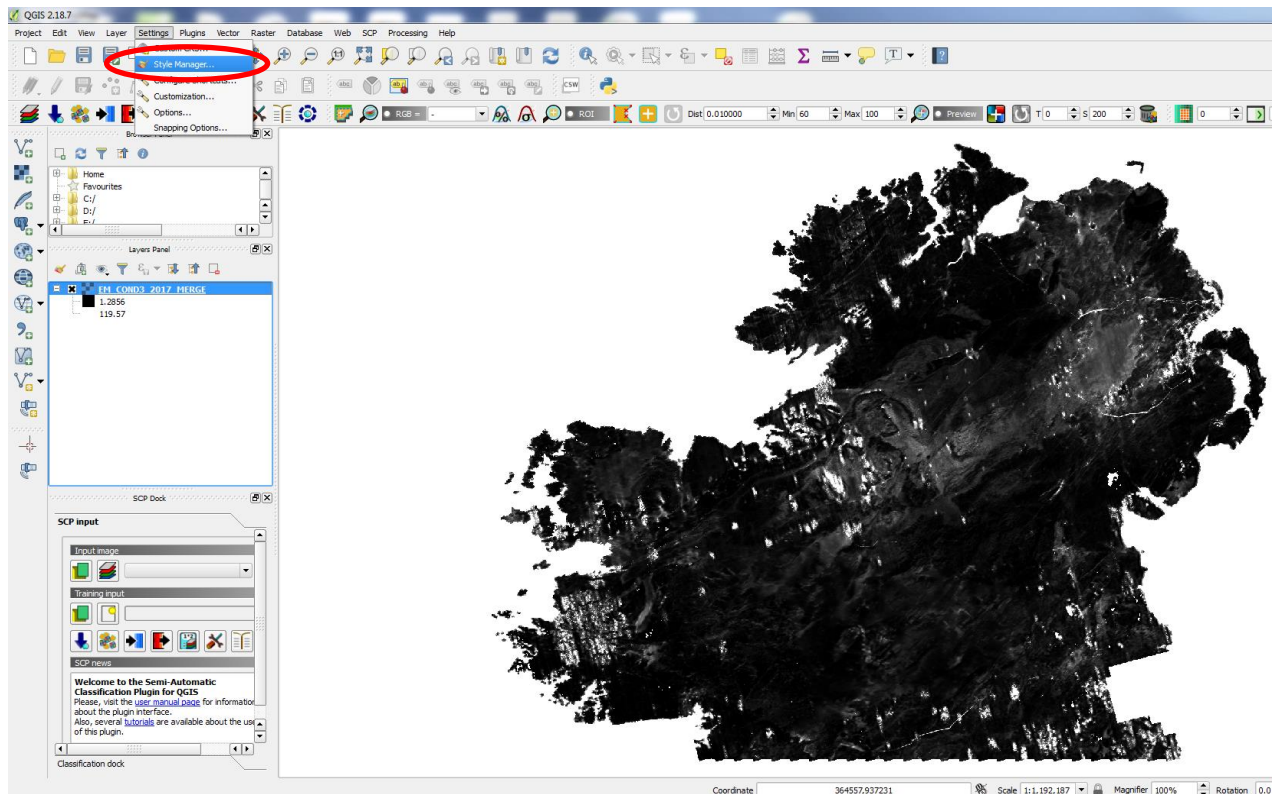# How to view Tellus geophysical .gxf data in QGIS with the correct colour ramp

The Tellus geophysical data is intended to be viewed in Geosoft Clra 32 colour ramp. The following instructions describe how to import a .gxf file to QGIS, apply the Geosoft Clra 32 colour ramp XML file and display the mode as 'Quartile'. All data is to be displayed in IRENET95 Irish Transverse Mercator coordinates system.
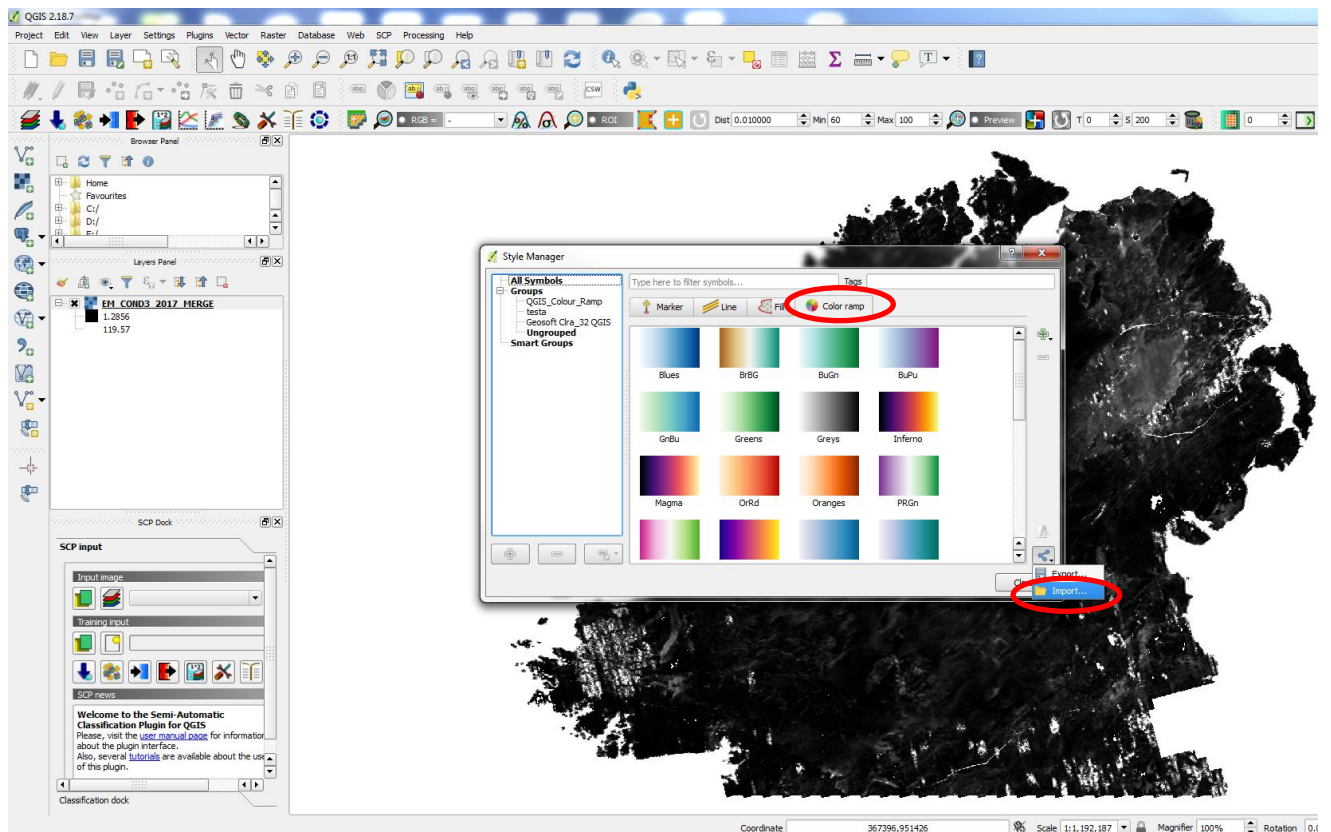

Figure 1 - open raster

As shown in Figure 1 click the 'Add Raster Layer' button and then select the relevant .gxf file, then click, Open.
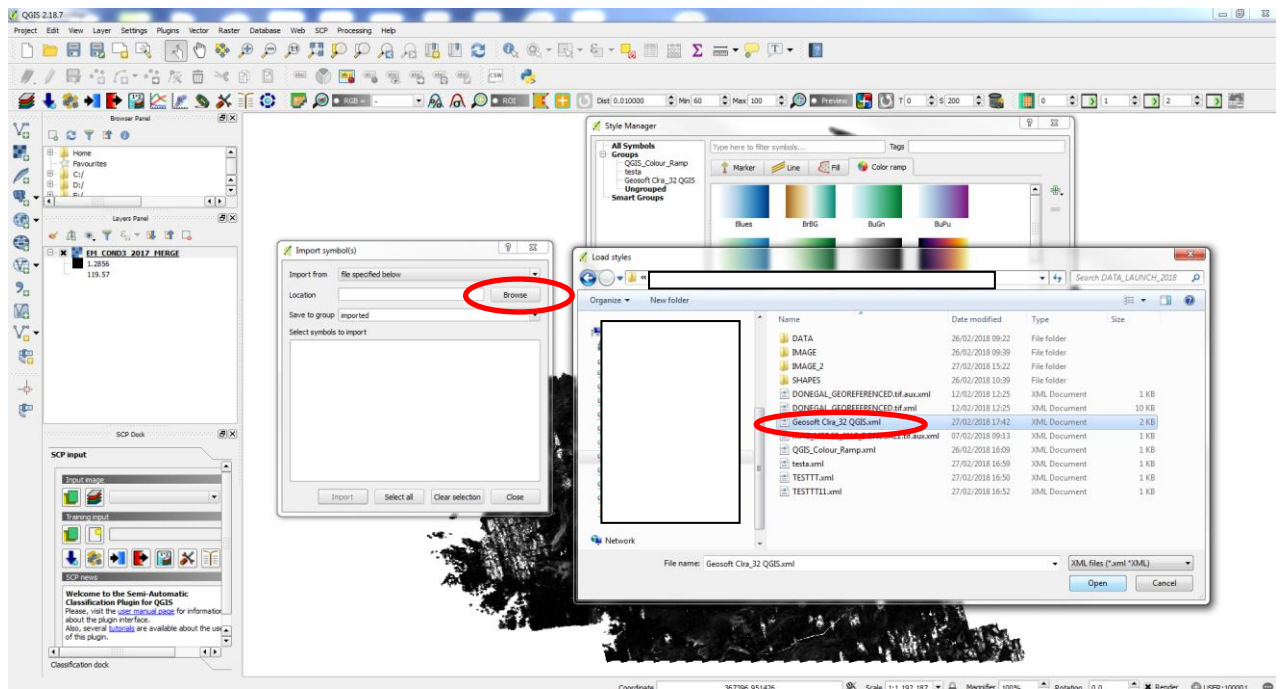
Figure 2 - Style manager

The .gxf should now be visible in black and white as shown in, Figure 2. Next we need to import a colour ramp. To do this, select the 'Style Manager' in the 'Settings' tab as shown in the red oval in Figure .2
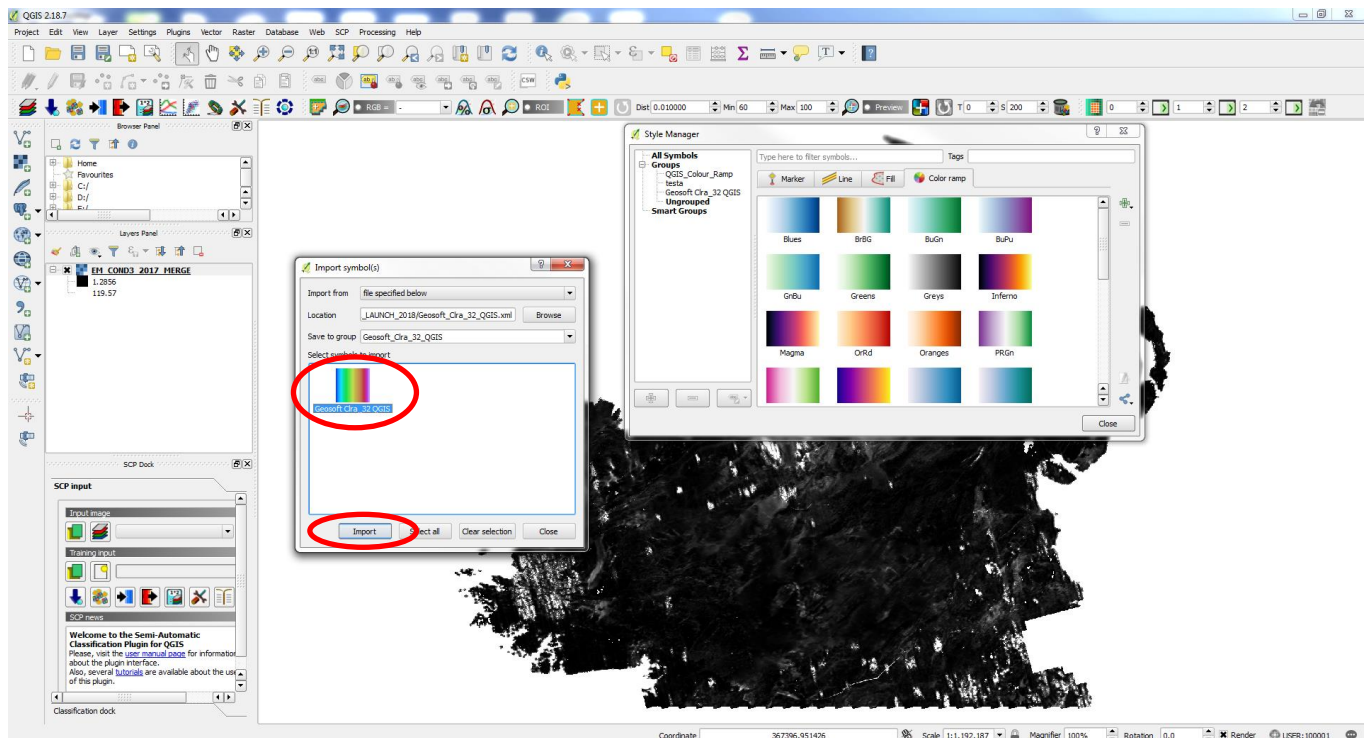
Figure 3 - Import colour ramp

As shown in Figure 3, in the 'Style Manager' window, select the 'Color Ramp' tab and click the 'Import' button in the bottom right hand corner.
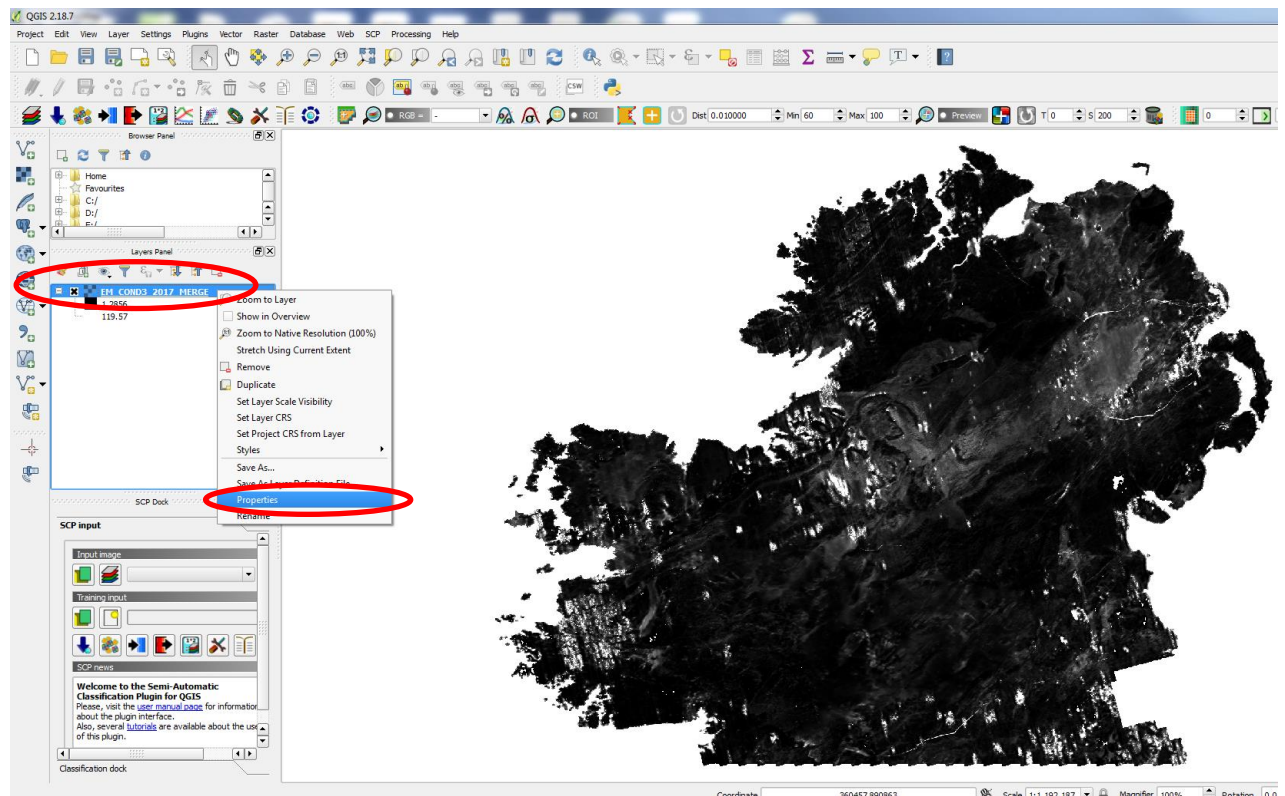
Figure 4 - Select the 'Geosoft_Clra_32_QGIS.xml'

As shown in Figure 4, click 'Browse' in the 'Import symbol(s)' window. In the 'Load Style' window, select the 'Geosoft_Clra_32_QGIS.xml'(contained in the .zip download of this data) and click 'Open'.

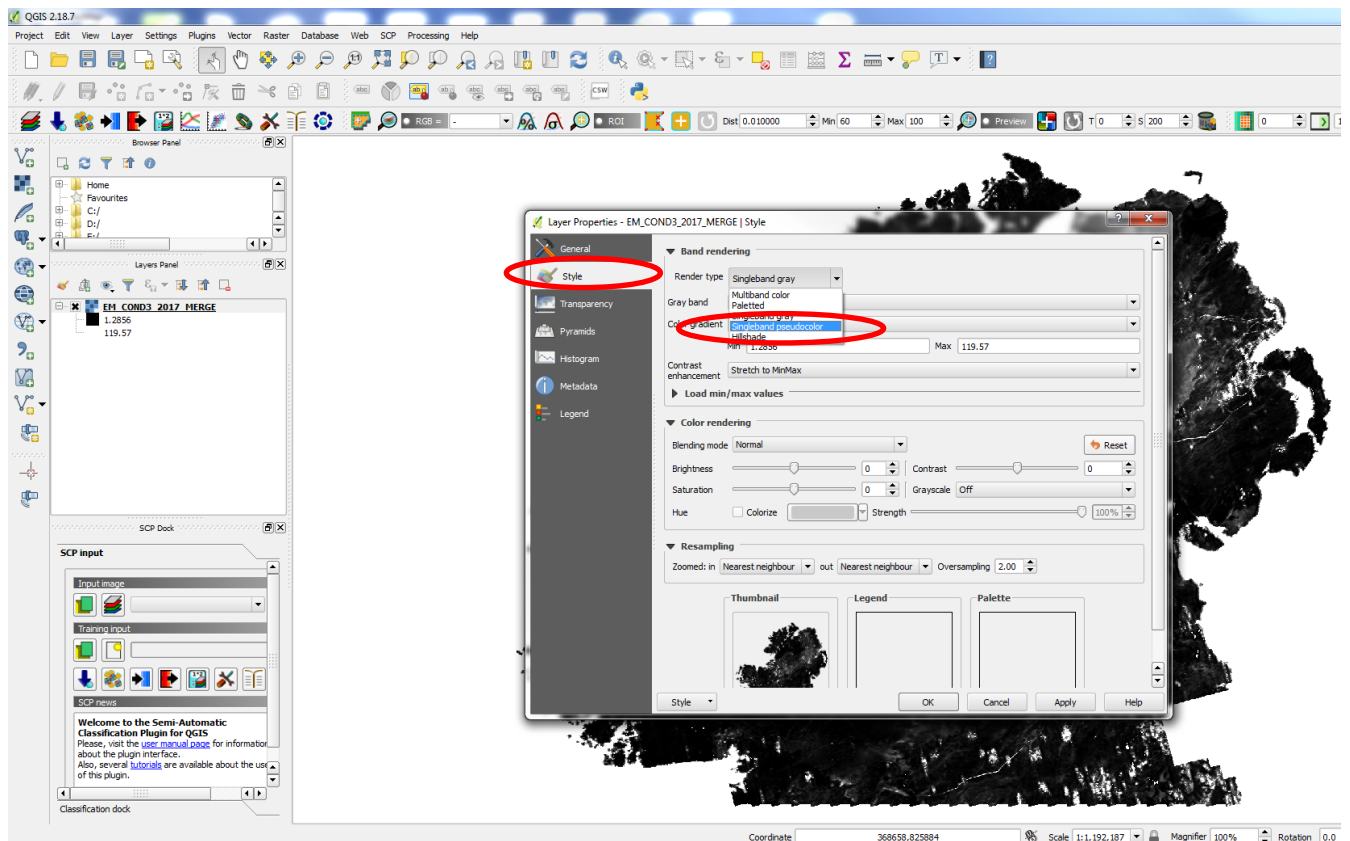**Figure 5 - select the symbol to import and click import**

Next, select the 'Geosoft_Clra_32_QGIS.xml' from the 'Import Symbol(s)' window and click import.
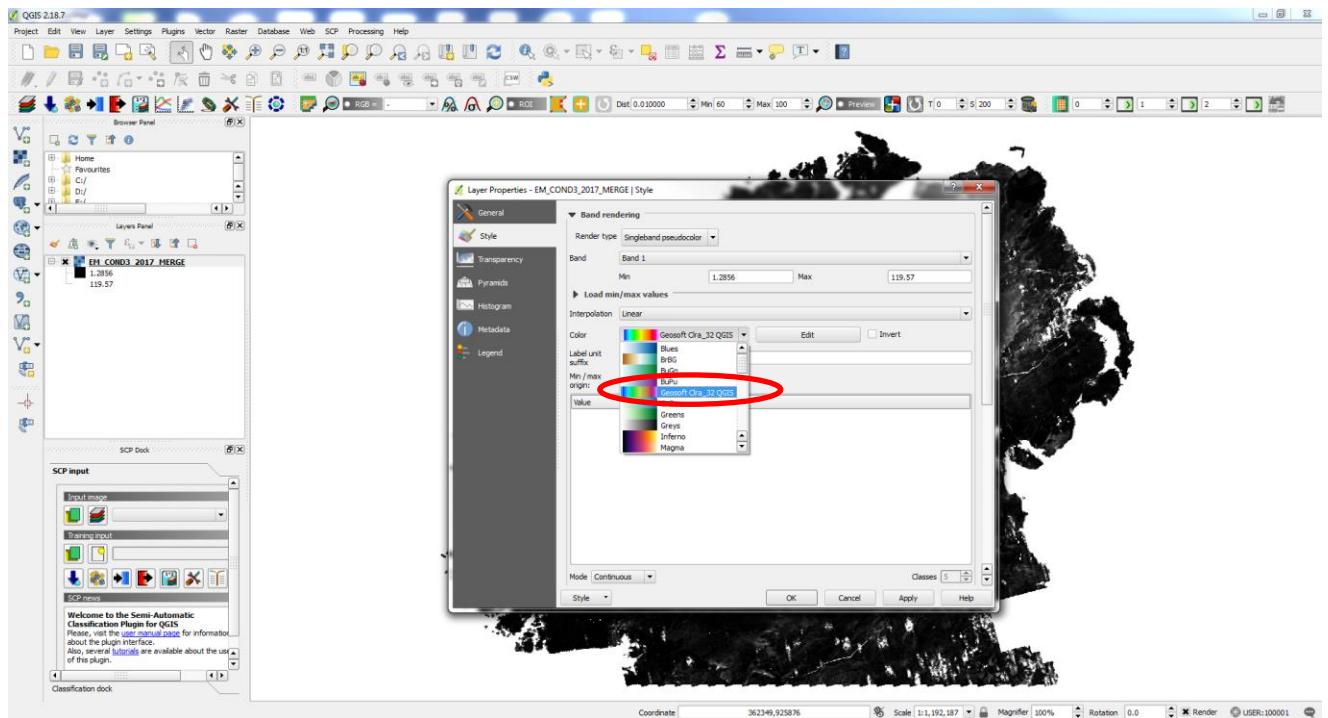After this click the 'Close' button on the 'Style Manager' window.

Figure 6 - select raster properties

As shown in Figure 6, right click the title of the raster in the 'Layers Panel' and select 'Properties'.

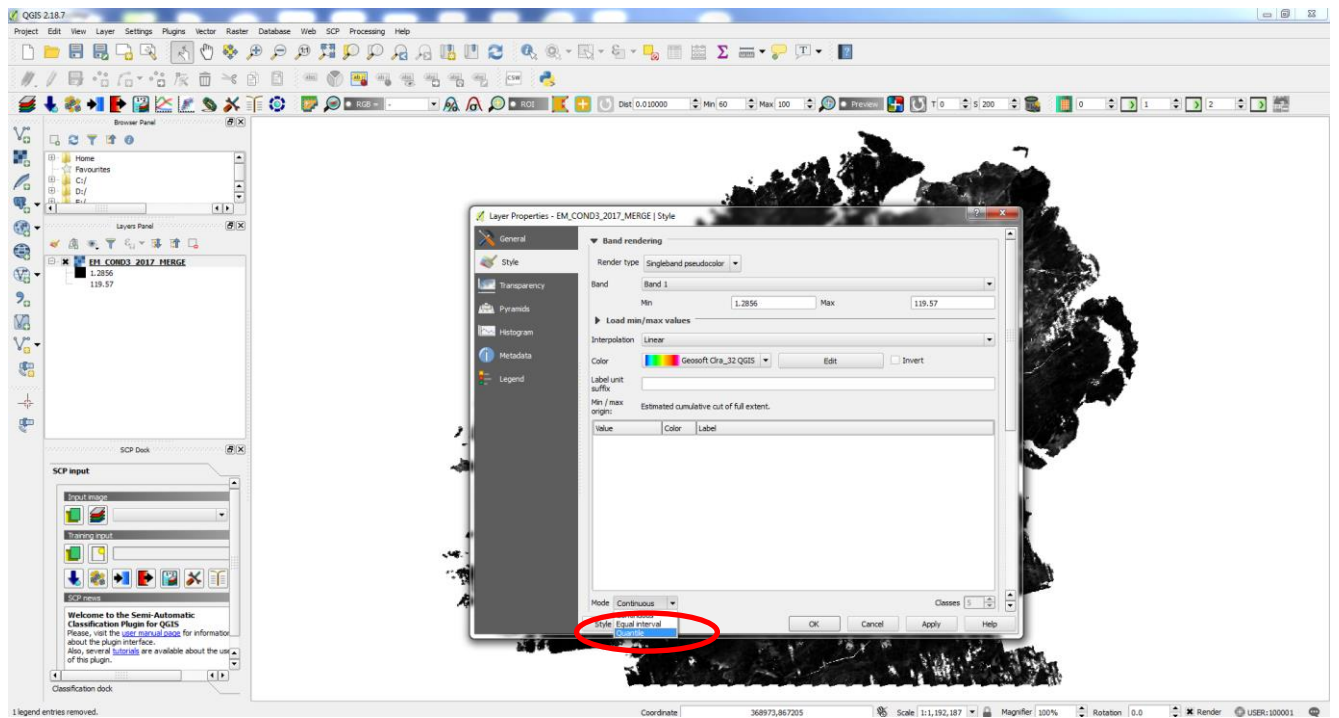**Figure 7 - Select correct render type 'Singleband Pseudocolor'**

As shown in Figure 7, in the 'Layers Properties' window, select the 'Style' tab. Next, in the 'Band rendering' box select the 'Render Type' to 'Singleband Pseudocolor'.
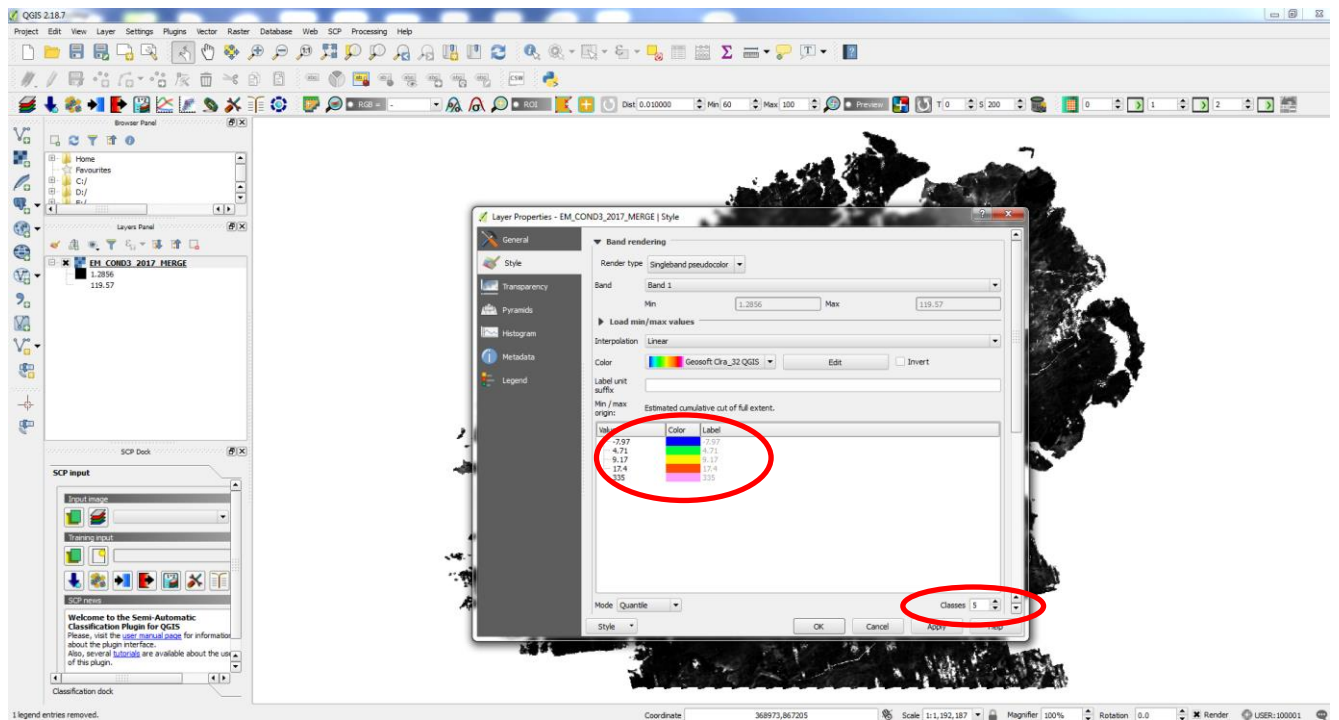
Figure 8 - select colour ramp

Next, select the 'Color' dropdown menu and select 'Geosoft Clra 32 QGIS' Colour ramp.
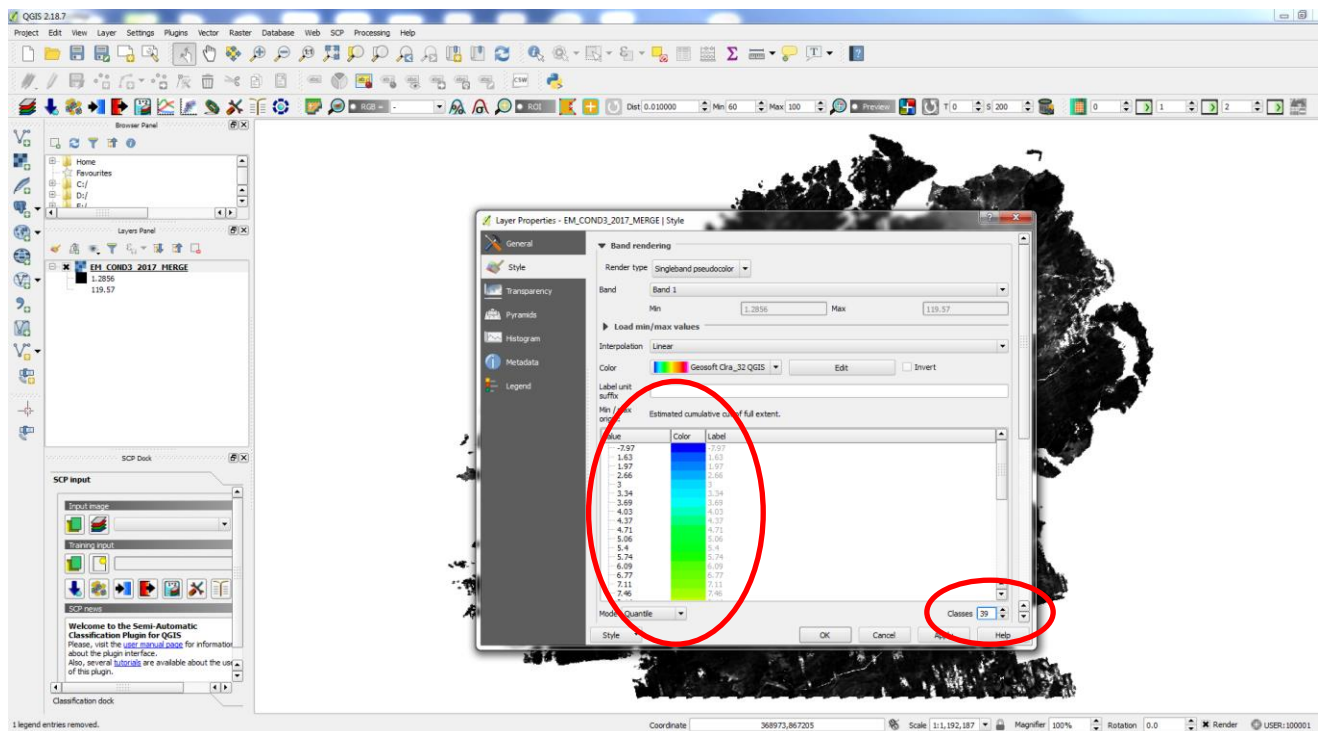
Figure 9 - Select mode 'Quantile'

As shown in Figure 9, select the 'Mode' dropdown menu and select 'Quantile'
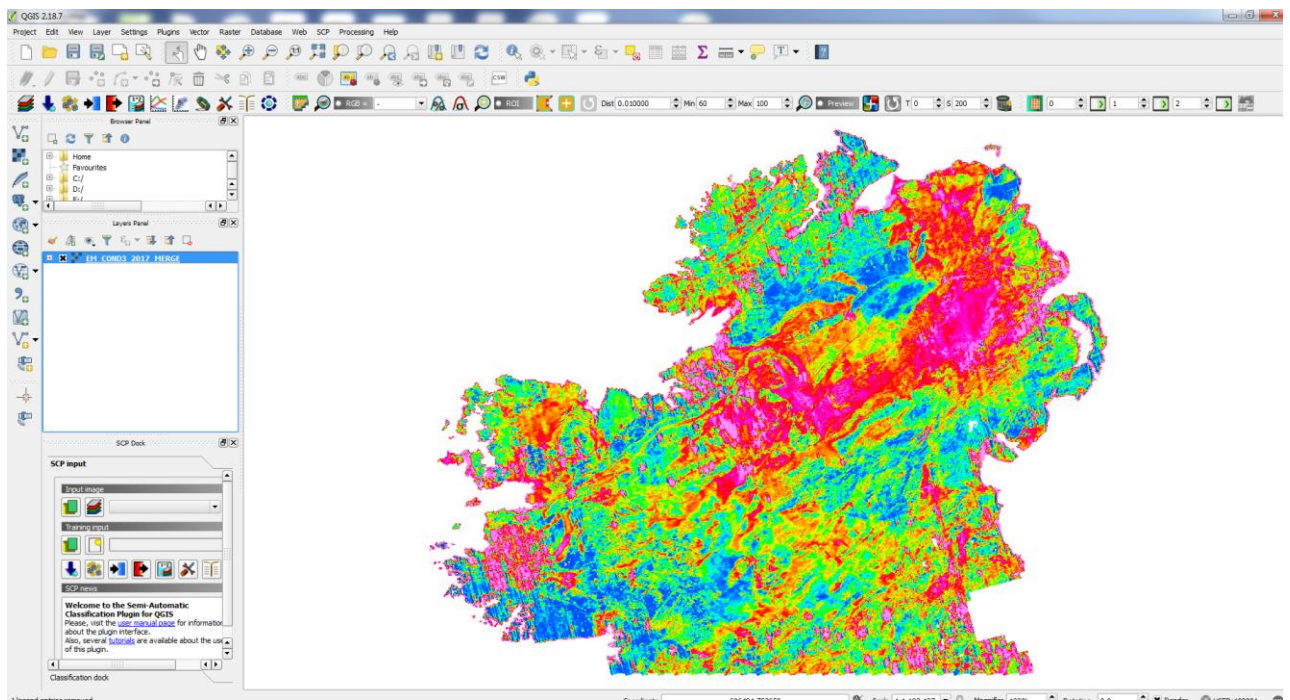
Figure 10 - increase 'Classes' to 39

The colour ramp currently only displays 5 classes (Displayed in the bottom right of the 'Layer Properties window), as shown in Figure 10. Increase this figure to **39** classes, as shown in Figure 11.

Figure 11 - This is what the colour ramp should look like

As shown in Figure 11, the Classes have been increased to 39 and this is shown in the data range. Next click ok and we should be able to correctly view our data in Geosoft CIra 32, as shown in Figure 12.

Figure 12 - Data correctly displaying in Geosoft Clra 32

Next the Geosoft Clra 32 colour ramp has been applied and the data is now ready for use.

Please contact tellus@gsi.ie for any data enquiry's