

ROUGH GUIDES

Isopachyte Modelling

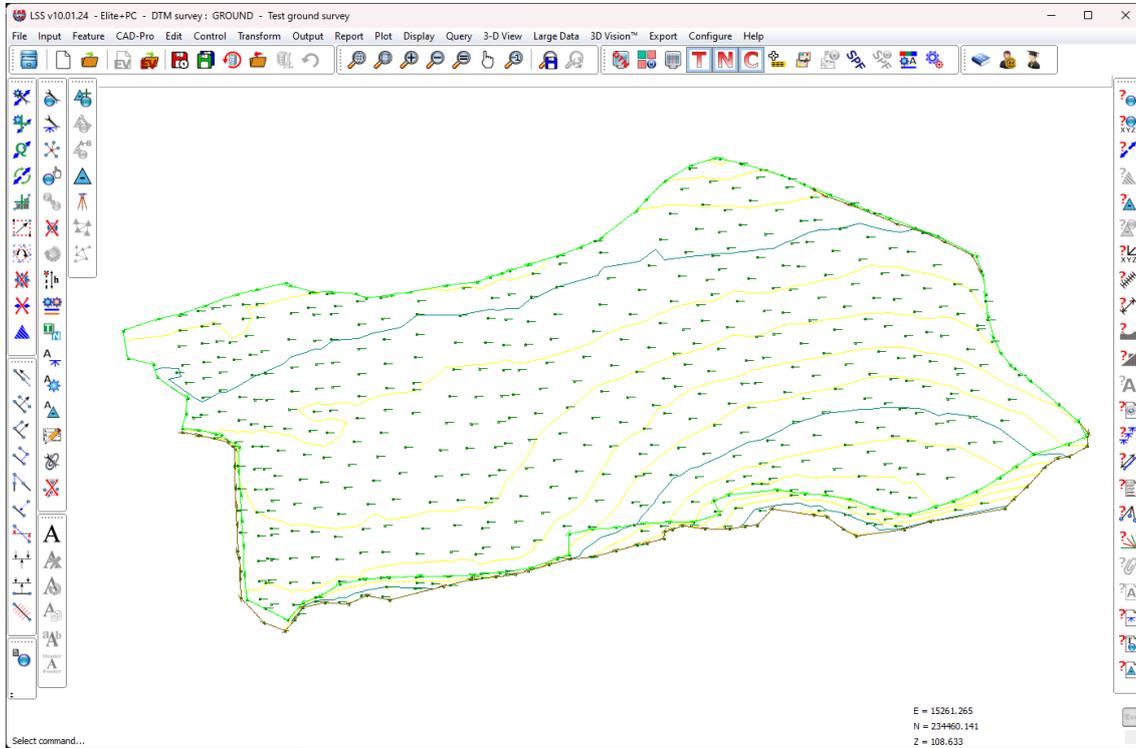
LSSTM

Introduction

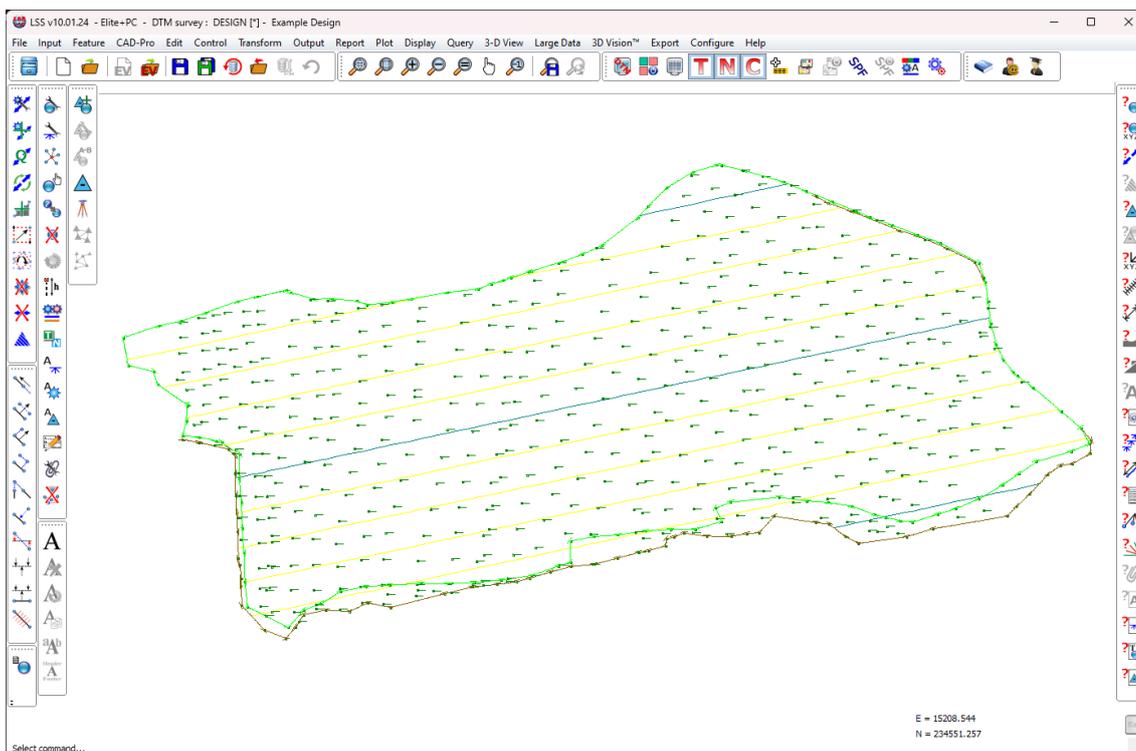
This Rough Guide explains how to create an Isopachyte (Level difference) model, and use coloured height bands to show areas of cut and fill between an OGL and Design models.

Outputting the level difference between two surveys.

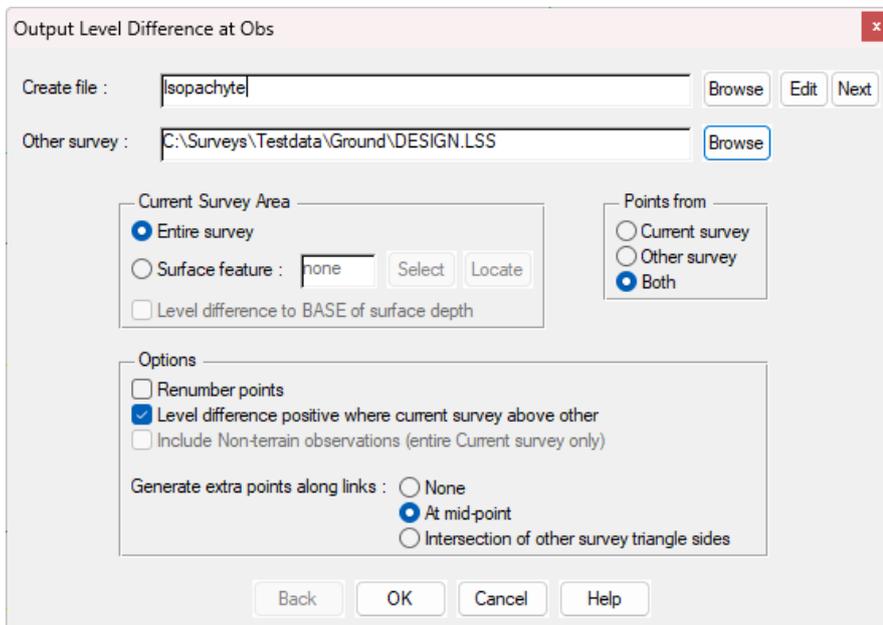
Start by opening the Original Ground Survey (OGL)



The design model that we are going to compare the level difference to is an adapted version of the Ground survey in the LSS Testdata, specifically created for this Rough Guide.



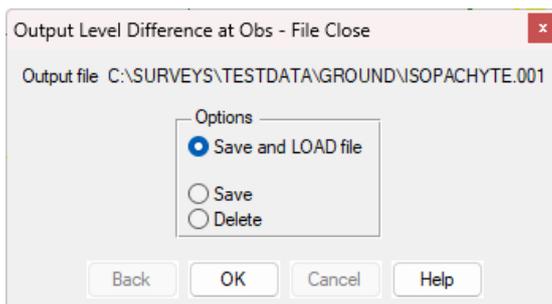
We will then use the command “Output / Level Difference – At Observations”.



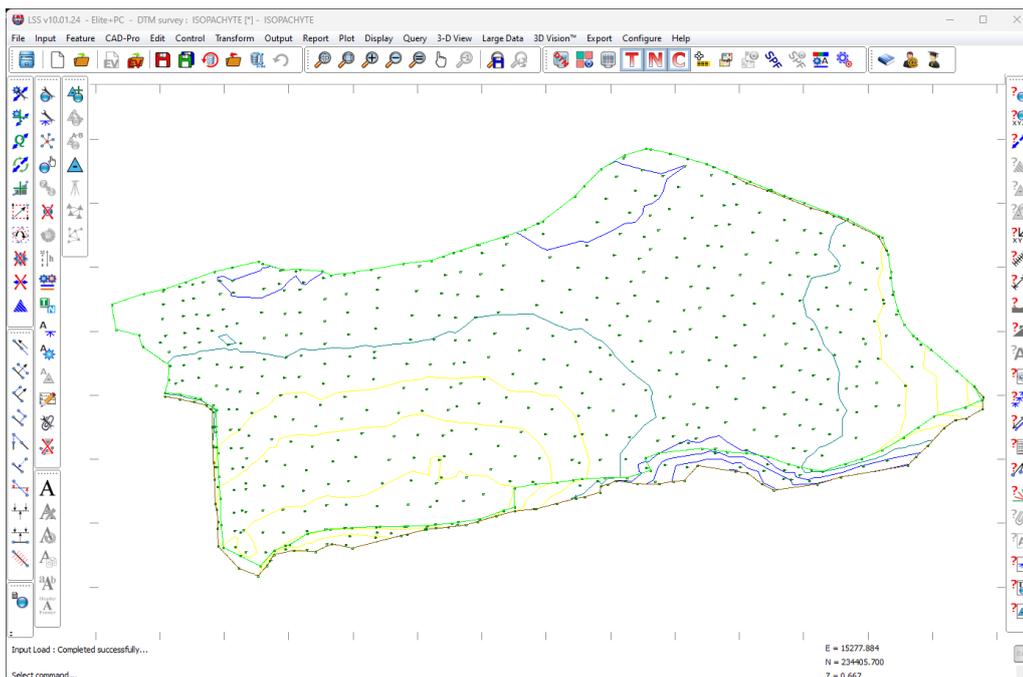
We will consider the Entire current survey area and include points from BOTH surveys. This will produce the most concise level difference model.

For this exercise, we will leave all the other options as default.

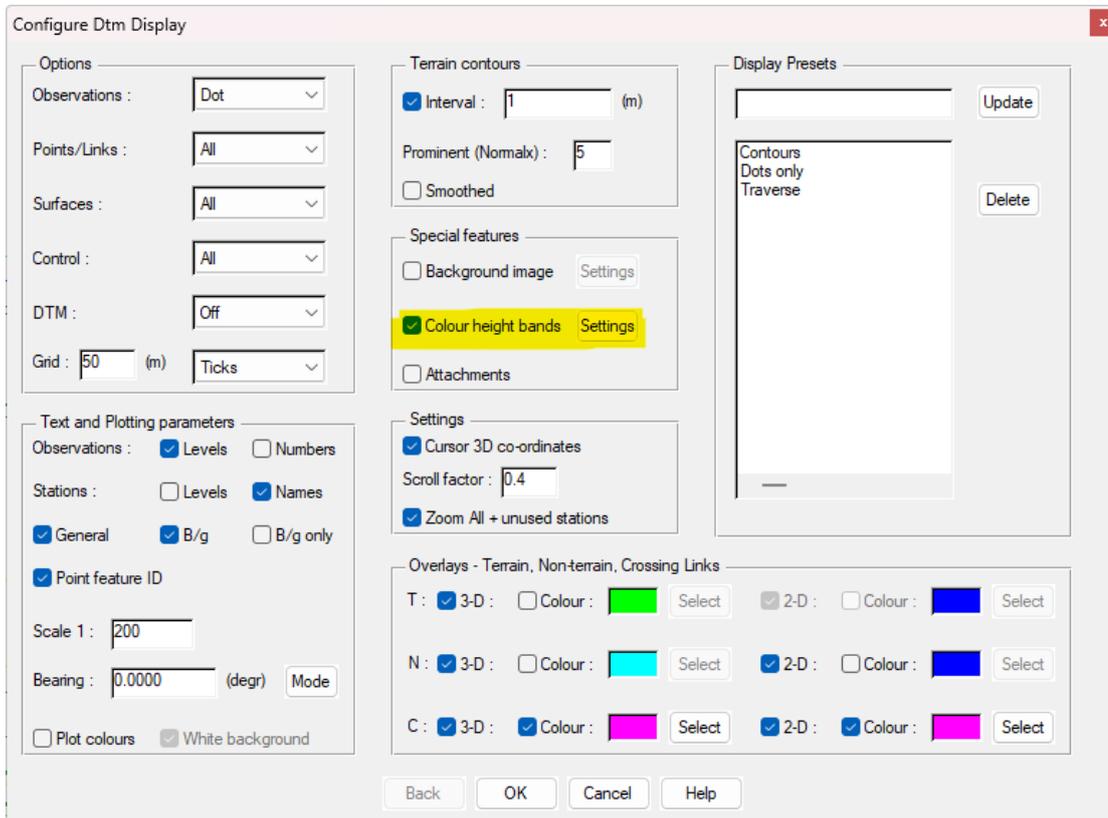
On clicking Ok, LSS will generate the level difference load file and prompt to Save and Load.



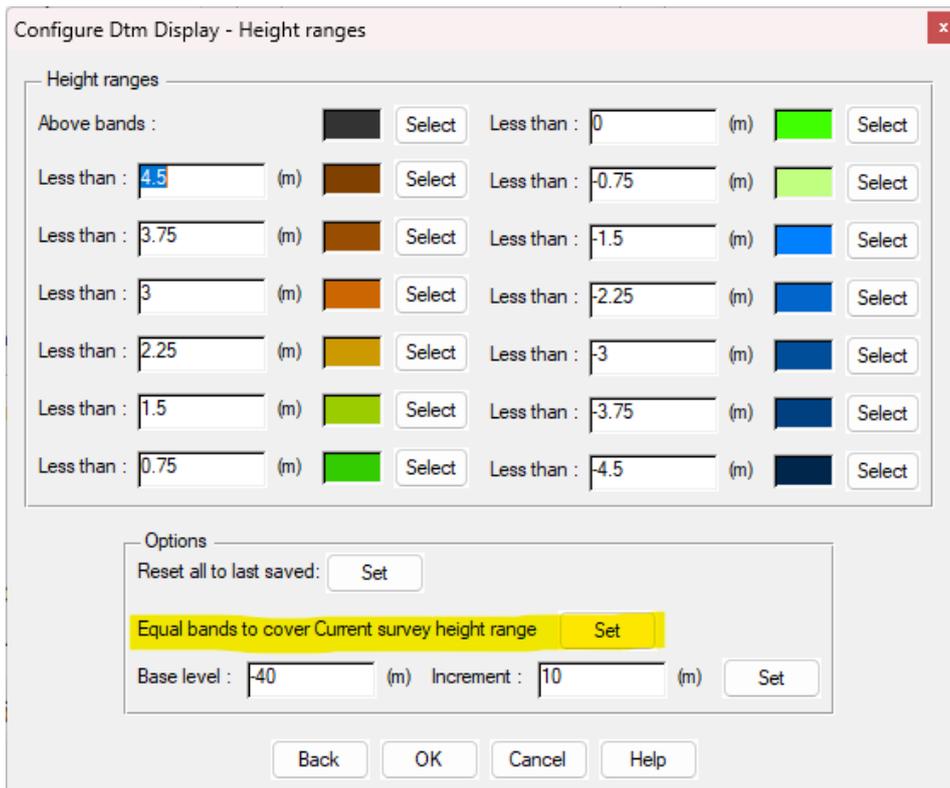
Continue through the process of creating a new survey and Input Loading the data in.



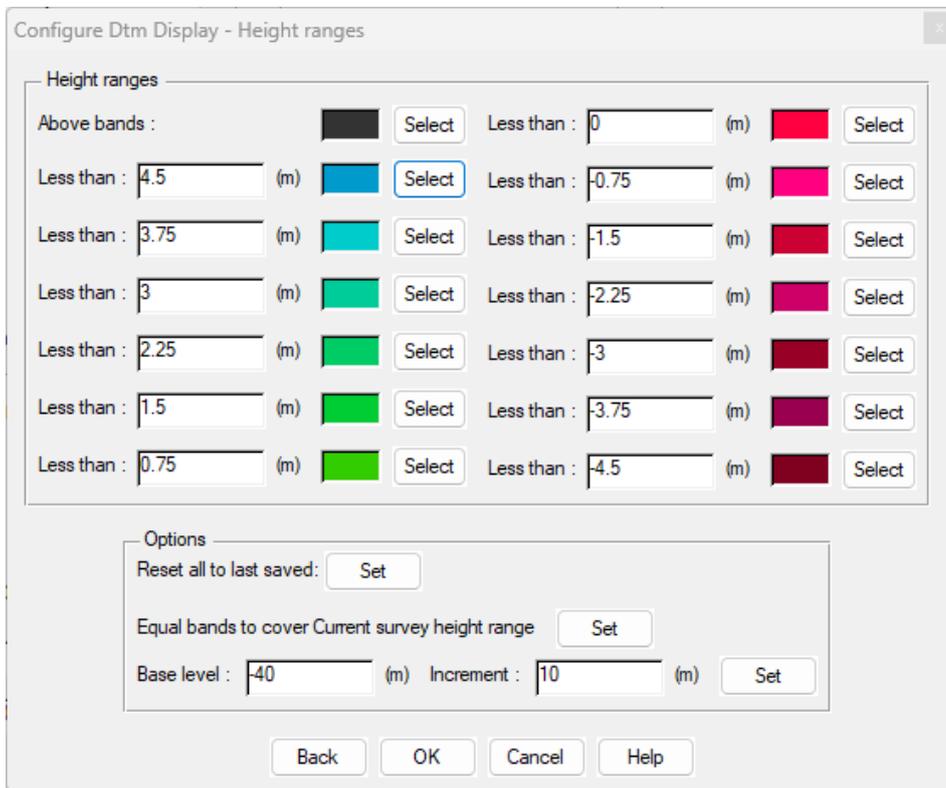
To display the coloured height bands, we need to go to the command "Configure / DTM Display".



Here we need to select the option for “Colour height bands” and click the Settings button.

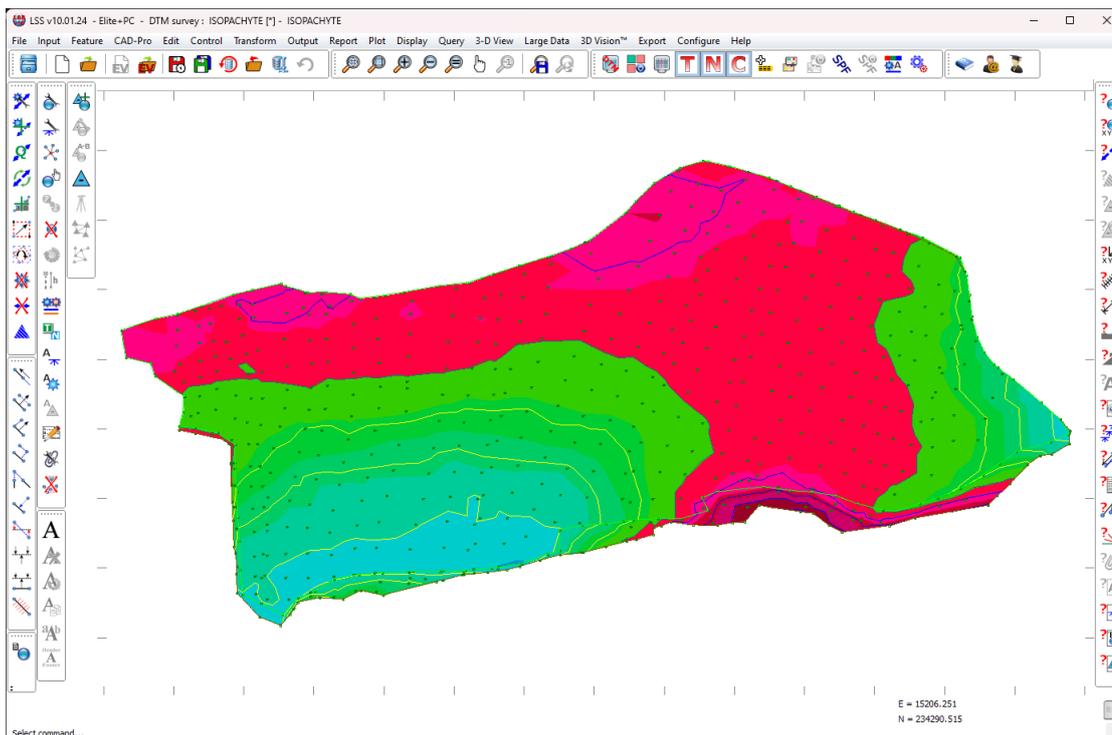


By clicking the “Set” button to “Equal bands to cover current survey height range, LSS will divide the level range by 13 height bands and populate the values.



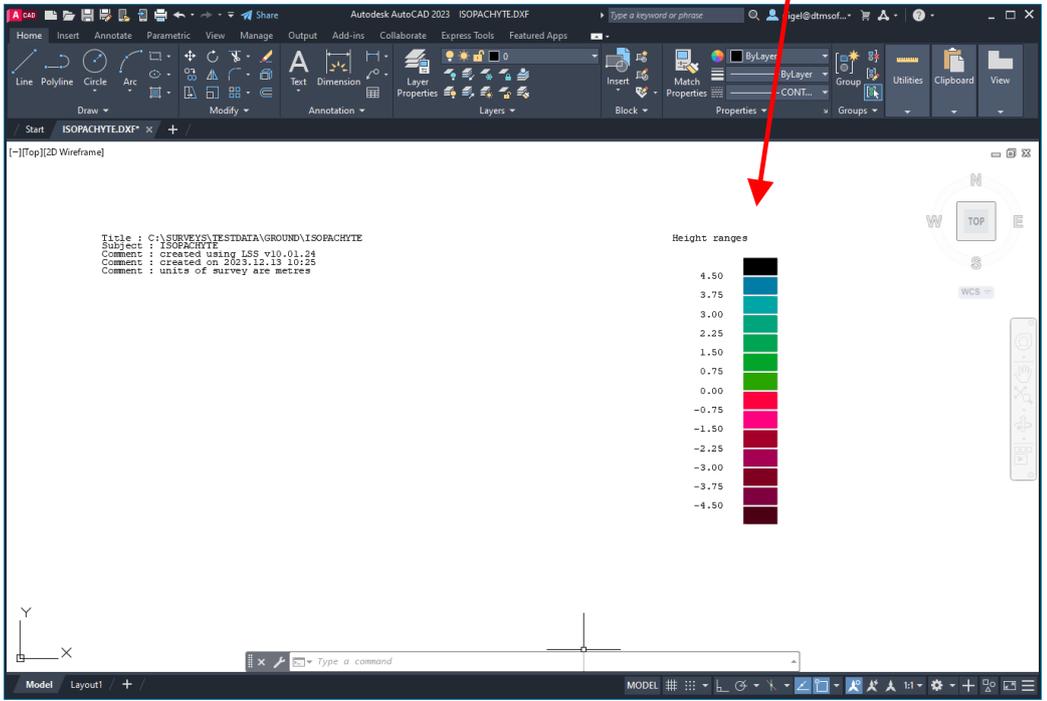
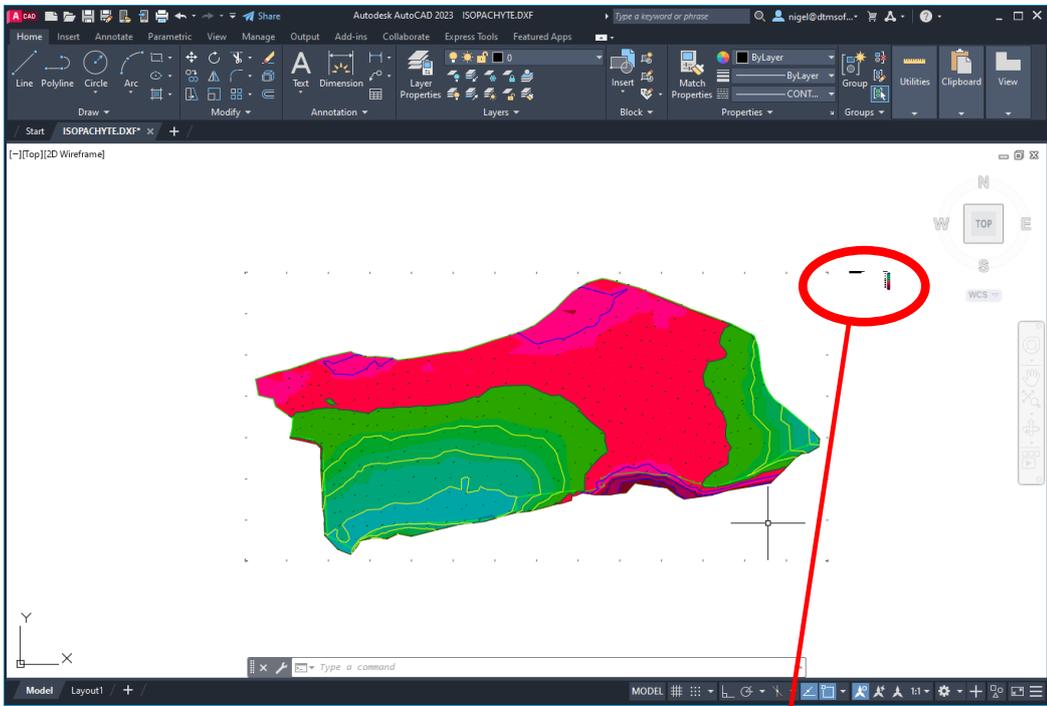
We can then apply our own preferred colours to each range value.

Upon clicking Ok, LSS will then display the coloured height bands in the model.



When plotting, it is possible to include the height bands by adding an appropriate HEIGHT command in the Plan Description File(PDF). It is also possible to include a colour band Key by including the RANGES command. There are examples of this in the PDF folder in the LSS Testdata.

However, to include the height bands and a key when exporting to DXF, even though there are AutoCAD Description File (ADF) HEIGHT command, which will automatically include the ranges Key, if when exporting to DXF you use the "As per Conigure / DTM display.... " command, LSS will automatically include that is displayed on the screen and also include the ranges key...



If you need further Technical Support, or you wish to attend any training courses please contact us...

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