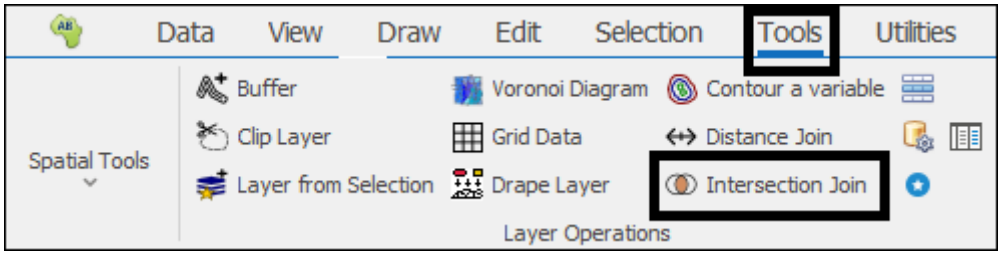
PrimeThought Software Solutions

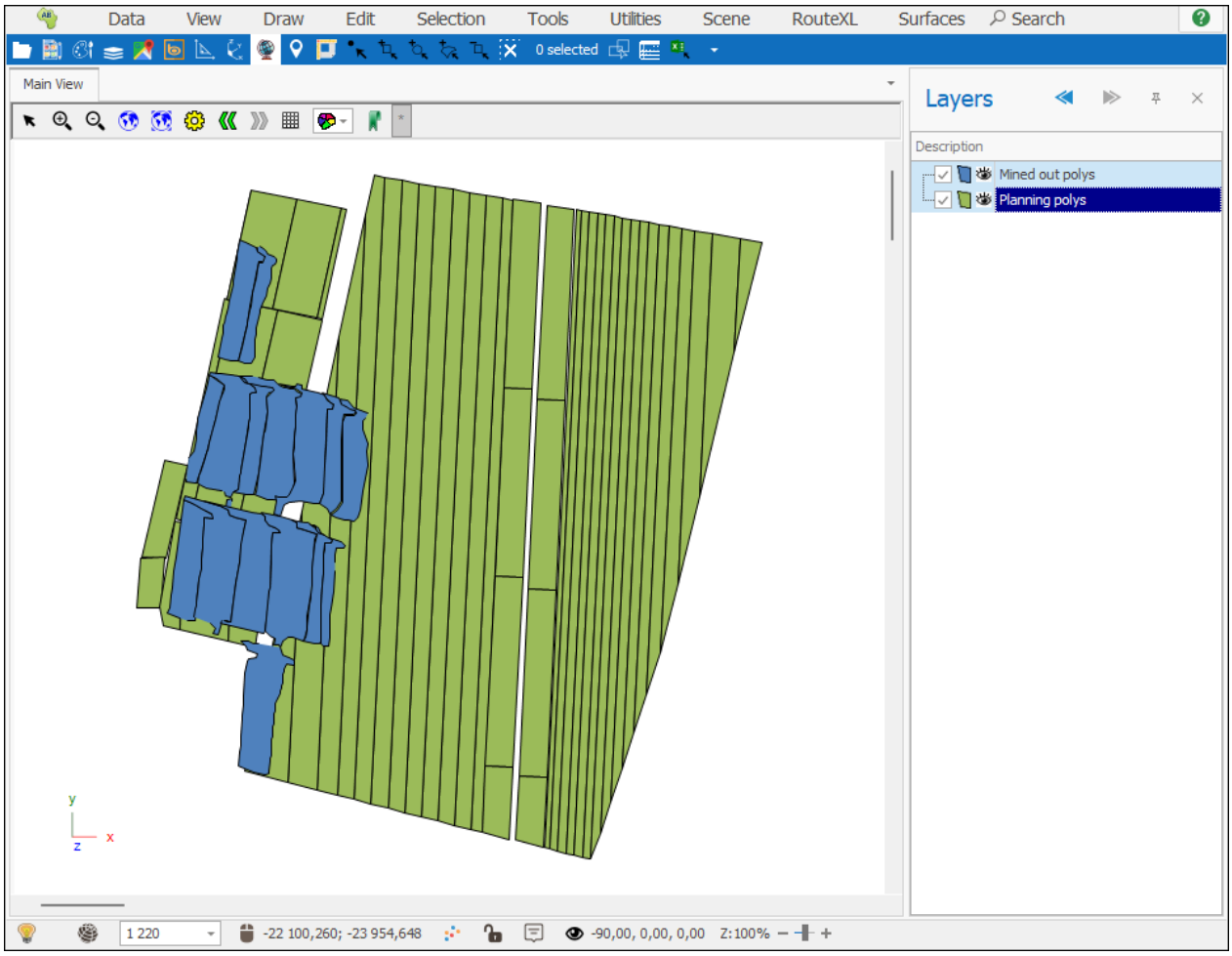
Intersection Join User Guide

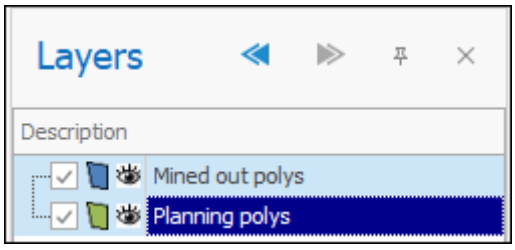


The **Intersection Join** tool will do a join of two layers based on intersecting parts of those layers. You can get the intersection of the two layers or either of the remainders from each layer.

IMPORTANT: In order to do Boolean operations on polygons with our spatial tools, these polygons need to be closed. Refer to the Utilities Guide for the "Close" tool to close any polygons that are not already.

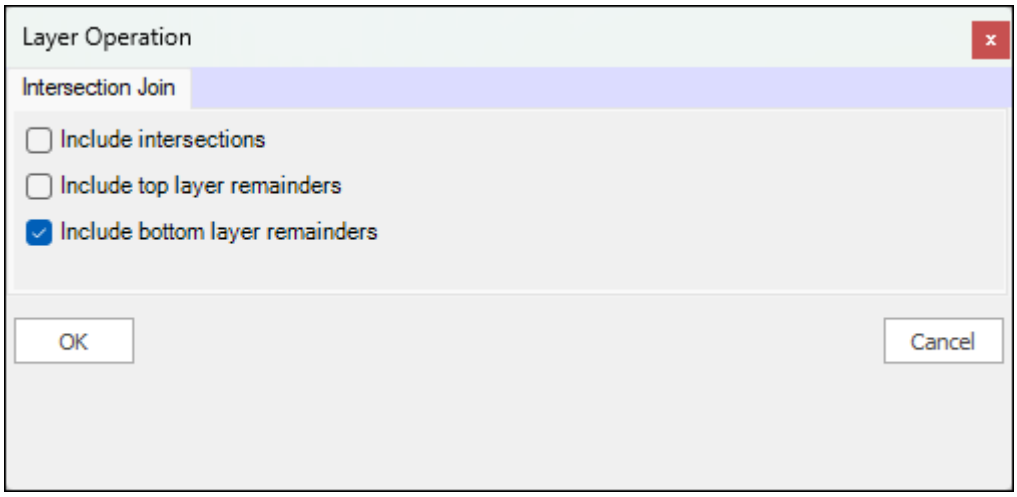
First select the layers in the layer control by clicking on one, holding down shift and then arrow up or down to select the other one as well (these layers will need to be next to each other):



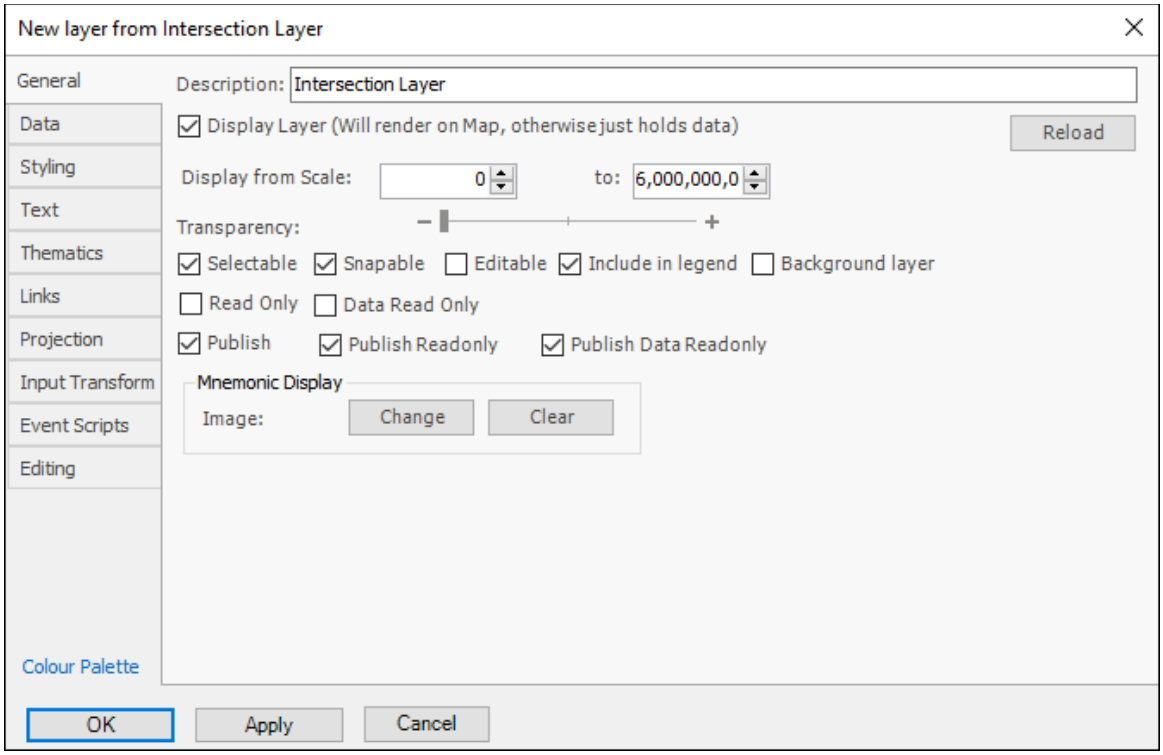


Next, click on the tool which will bring up the dialogue. **Include Intersections** will create a new layer out of the areas at which the two layers intersect.

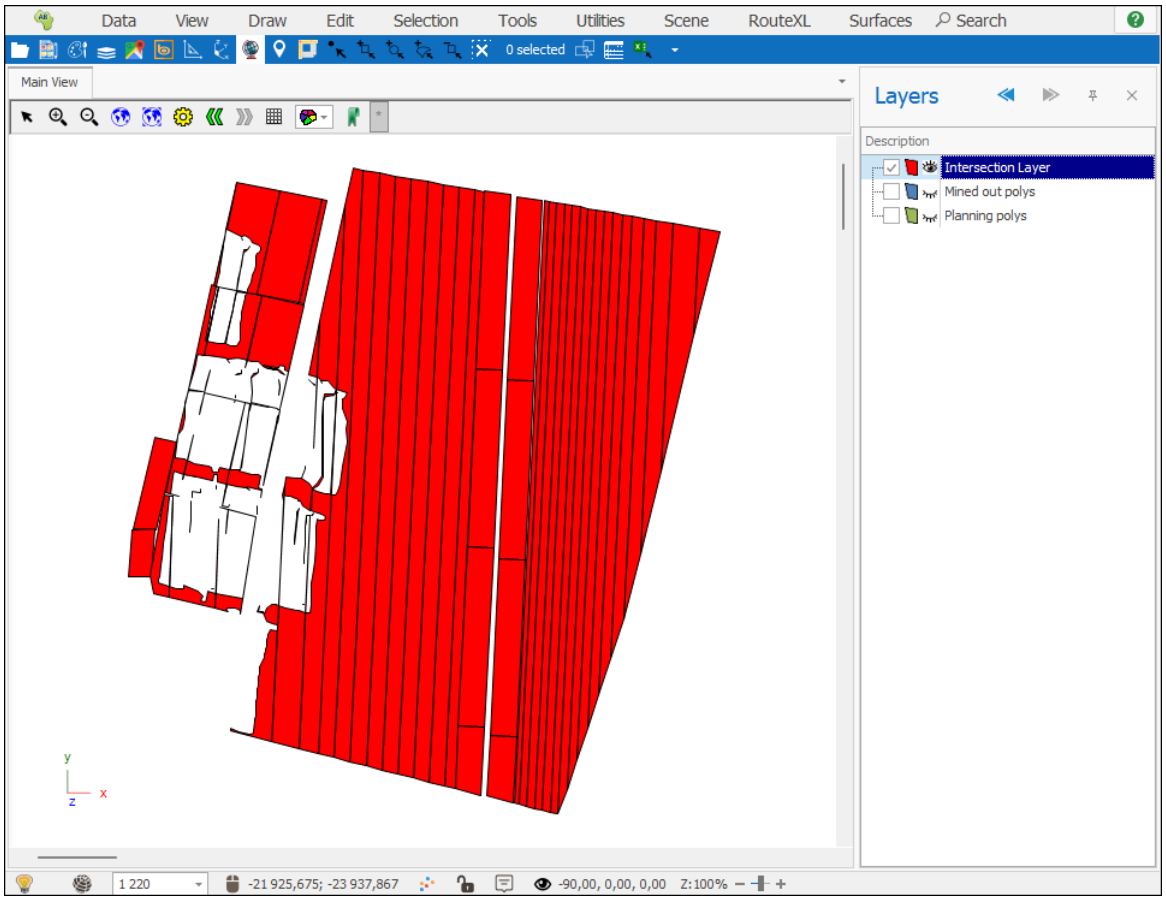
Include top layer remainders and **Include bottom layer remainders** will include optionally the top or bottom layer parts that are not intersecting in the new layer; In this example I will tick on “Include bottom layer remainders” to see what remains from my “Planning polys” layer and see how much of the planned areas were mined out:



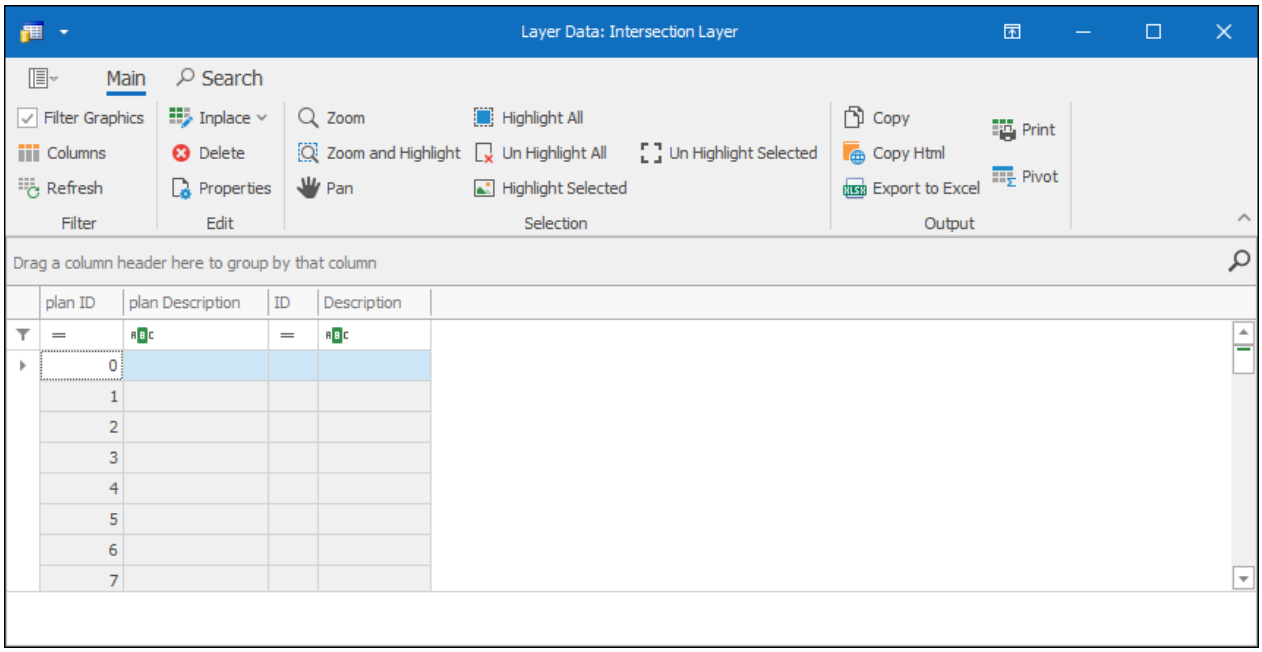
Then click **OK** and you are prompted to set the properties of the new layer that will be created:



Set the new layer properties as desired then click **OK** and the new layer is added.

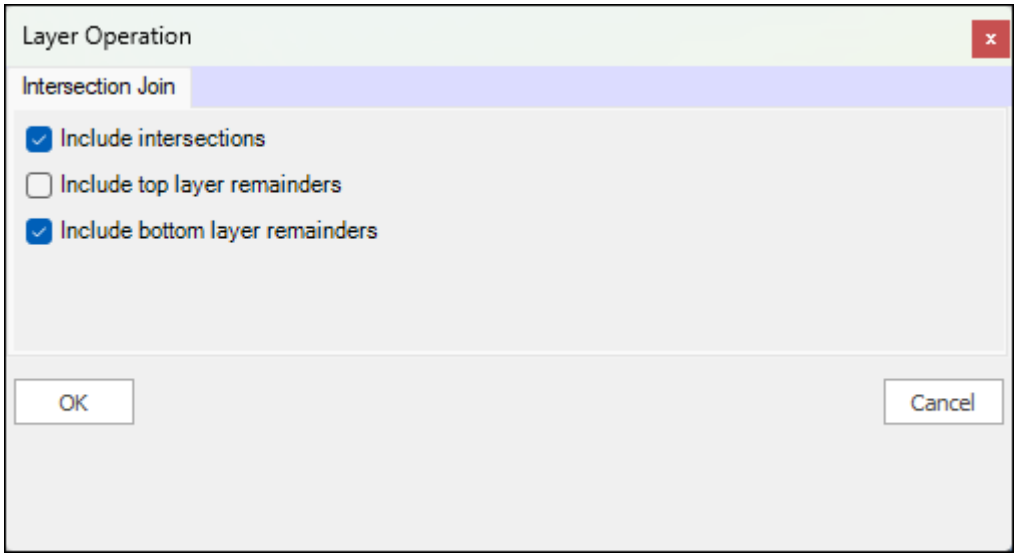


In the layer data of the new layer, you will see the joined data:

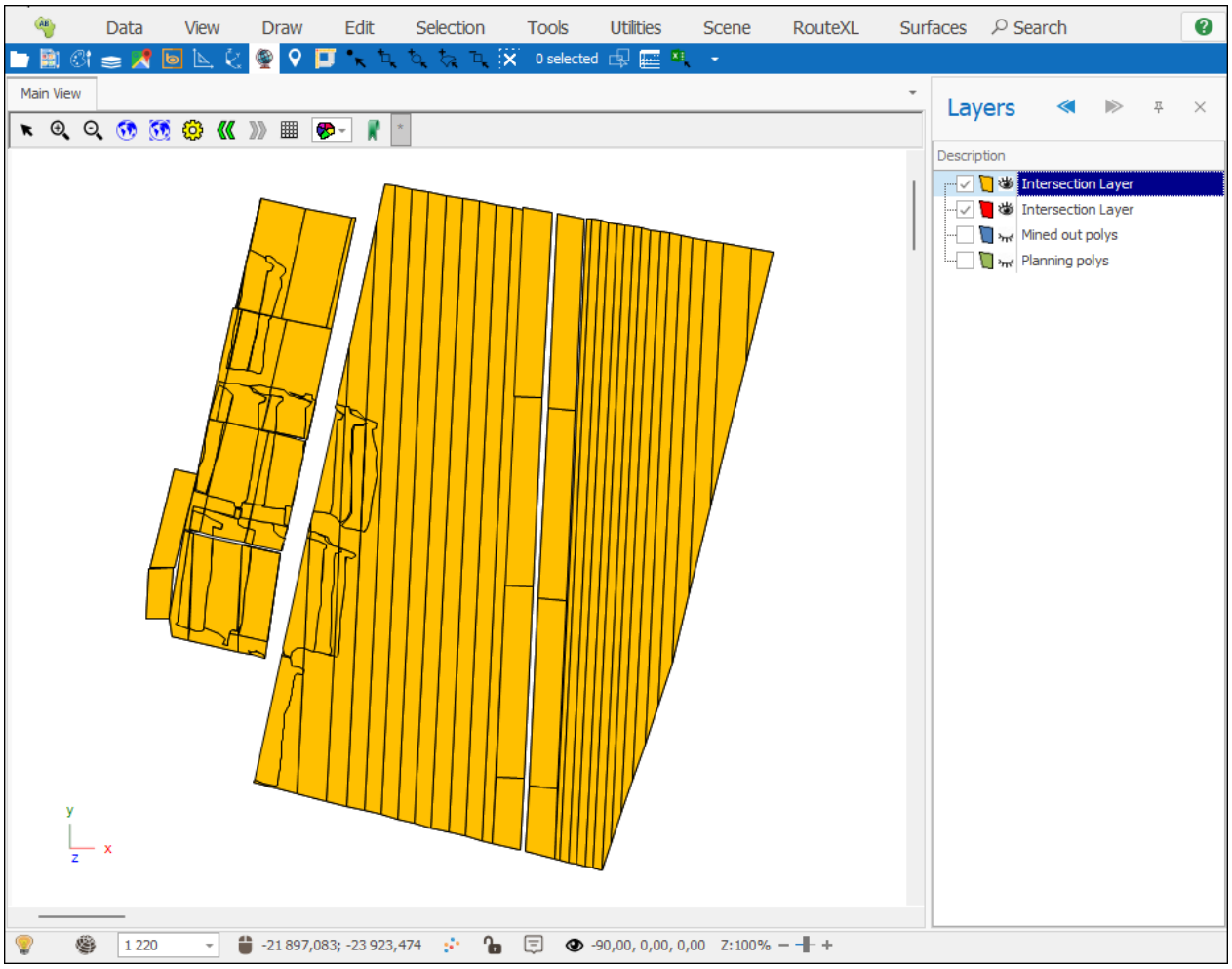


As these are remainders, none of the records from the two layers will match up here as seen by the blank IDs in the “ID” column.

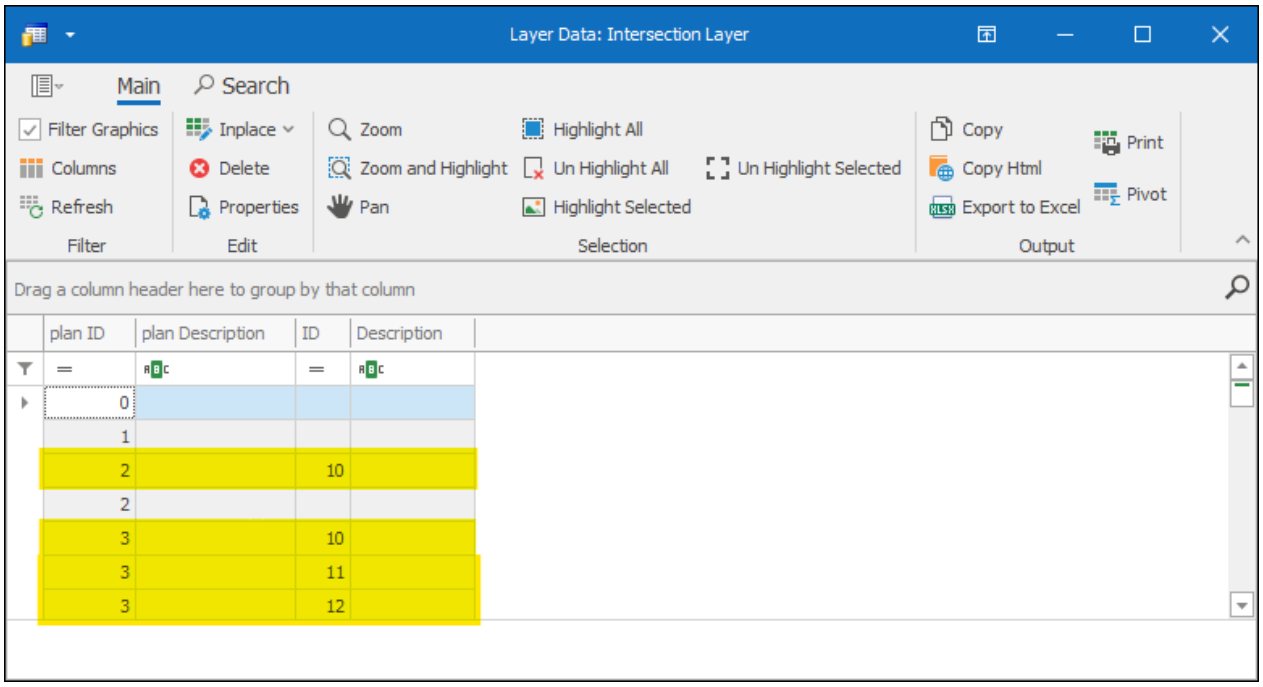
However, if I had chosen to “Include intersections” I would get matching records from the two layers where they intersect. An example follows:



You can see here in the resulting layer that the “Planning polys” remainders as well as the intersections with the “Mined out polys” are included:



In the layer data grid you can see the records which match up (the intersections):



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