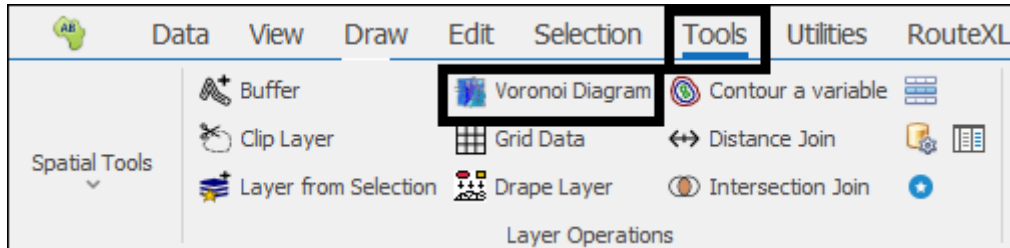
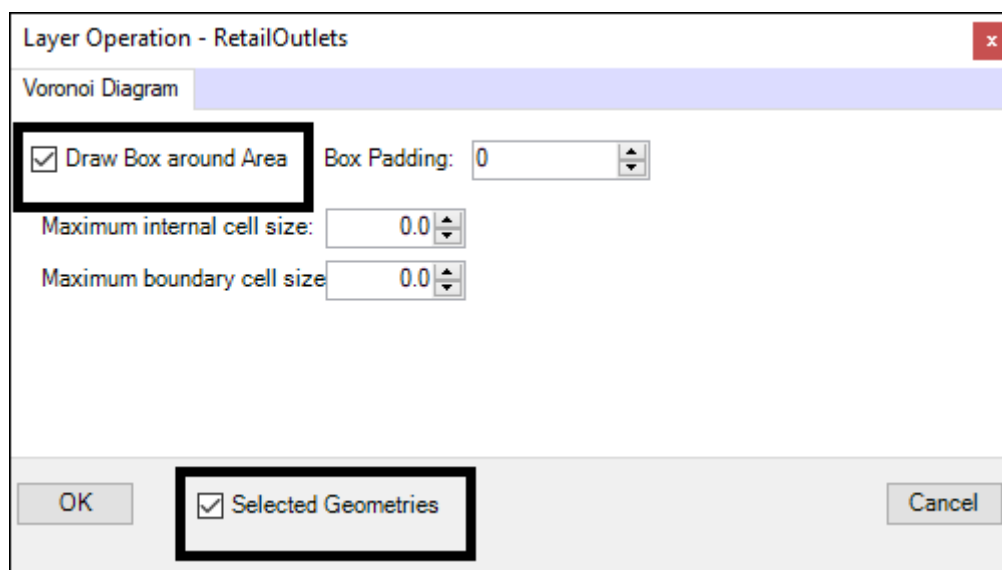




Voronoi Diagram User Guide



Another operation you can do on a layer is to create a **Voronoi Diagram**, which is a diagram that assigns a set of points in a plane into an equal number of cells, such that each point is inside a cell consisting of regions that are closer to it than any other point. I will do this on my **Retail Outlets** layer and only on a selection of points so I will have **Selected Only** ticked on. You would normally have **Draw Box around Area** ticked on as this is how the diagram is normally drawn:

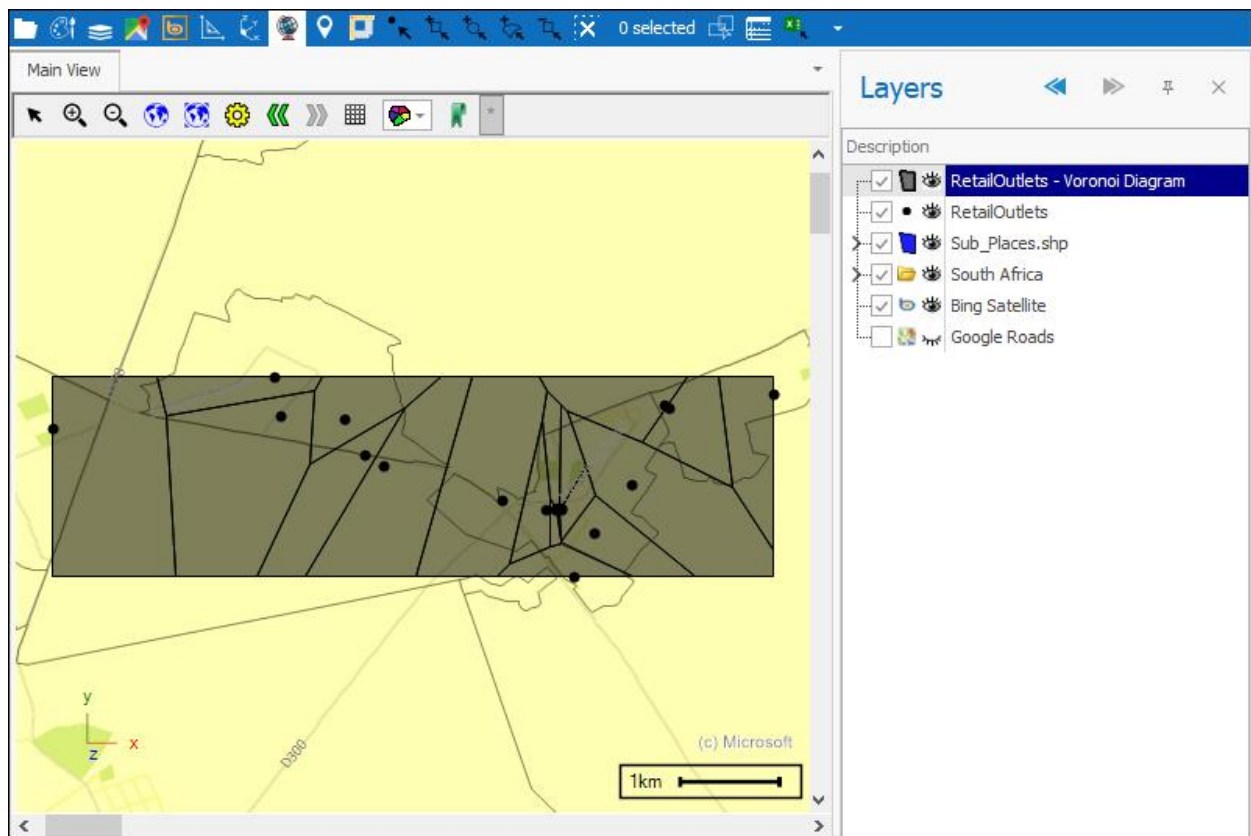


You can click **OK** and you are prompted to set the properties of the new layer that will be created, then click **OK** again and your diagram is created:

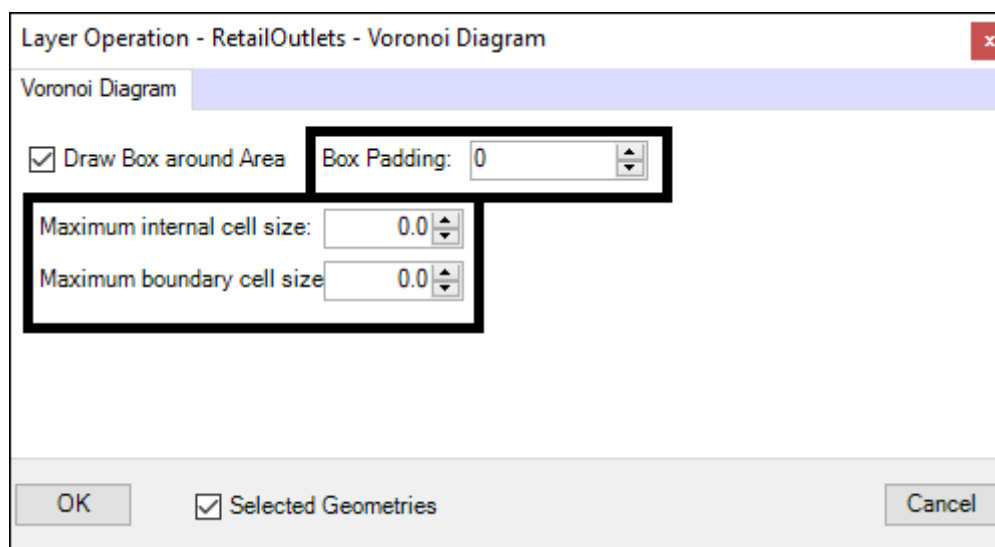
The screenshot shows a dialog box titled "New layer from RetailOutlets - Voronoi Diagram" with a close button (X) in the top right corner. The dialog is divided into a left sidebar with tabs and a main content area. The tabs are: General, Data, Styling, Text, Thematics, Links, Projection, Input Transform, Event Scripts, and Editing. The "General" tab is selected. The main content area contains the following fields and controls:

- Description:** A text field containing "RetailOutlets - Voronoi Diagram".
- Display Layer:** A checkbox labeled "Display Layer (Will render on Map, otherwise just holds data)" which is checked. A "Reload" button is to its right.
- Display from Scale:** Two numeric input fields. The first is "0" and the second is "6,000,000,000", separated by the text "to:".
- Transparency:** A horizontal slider with a minus sign on the left and a plus sign on the right.
- Options:** A row of checkboxes: "Selectable" (checked), "Snapable" (checked), "Editable" (unchecked), "Include in legend" (checked), and "Background layer" (unchecked).
- Read Only Options:** A row of checkboxes: "Read Only" (unchecked), "Publish Readonly" (checked), "Data Read Only" (unchecked), and "Publish Data Readonly" (checked).
- Mnemonic Display:** A section containing an "Image:" label, a "Change" button, a "Clear" button, and a "Dimension:" label followed by a numeric input field containing "2".

At the bottom left of the dialog is a "Colour Palette" link. At the bottom right are three buttons: "OK" (highlighted with a blue border), "Apply", and "Cancel".



Maximum internal cell size and **Maximum boundary cell size** specify a limit on how big the inner and outer cells of the diagram can be. **Box Padding** will make a padding around the diagram of a certain distance that you specify:



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