Updates 26_06

ARB LINES AND POLYGONS

Arb Lines and Polygons are closely related. Both are generated in the Map View. In fact, both are polygons, but it has been noted that a closed Arb Line (polygon) is confusing. Hence, this release (2.6.3.3) will allow one to display the Arb Line as a line only while it is secretly still a polygon.

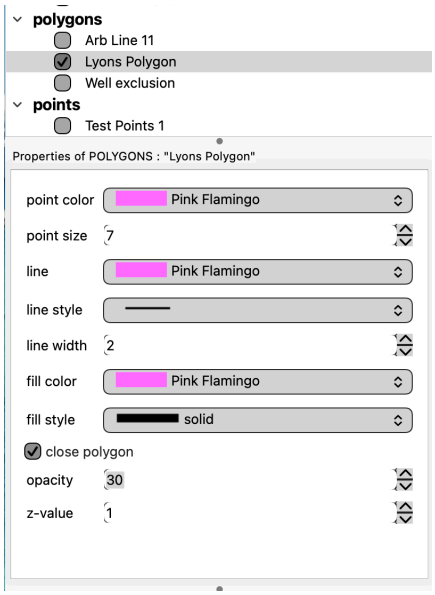
To see a new Arb Line (or an existing one) without seeing the closing link, one opens the Map View and clicks on the pick points icon. One then chooses new picks from the right-click menu. One then begins picking the Arb Line. When one has picked the last point, one then chooses save picks from the right-click menu. Name your Arb Line and save it. You will notice that the right-click menu has a function to insert picks if you need a new point you can go between two points and click (the points will be re-numbered) or you can hover over a point and move it.

To pick a second Arb Line, turn off the picking from the icon and then turn it back on. Right-click and choose new picks. You will be asked a question, 'Do you really want to delete X picks?', answer yes. You will not lose your just saved points. They are still saved, but this says you want new picks, not to add to the previous picks.

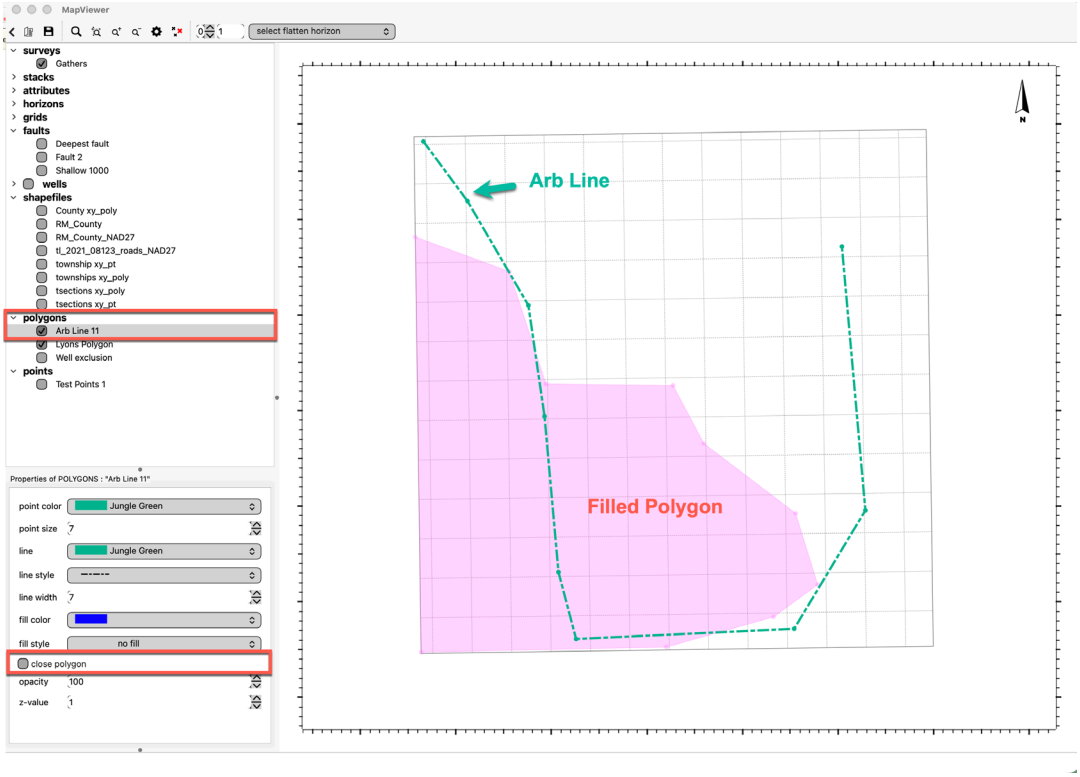
In the new version, you will be able to click on the saved Arb Line in the map view and edit color and point size, color and line width, and now will be able to turn off the display of the last segment by unchecking the close polygon box. The display of the Arb Line in the Stack Viewer does NOT show the last segment, i.e., the portion from the last point to the starting point...only the actual extent of the Arb Line.

Polygons still work as they have previously. You can edit the polygons even after saving if you have not moved on and if the picking mode is still active. You can add points by right-clicking and choosing insert pick (the picks are renumbered) and you can move points by hovering over a point and dragging to a new location. The new version allows you to fill the polygon and to change colors and point sizes.

The figure below shows the setup for a filled polygon. One turns on the polygon on the map, and highlights it. Then one can choose the point color and size, line color and style, opacity, and whether it is on top (z-value).

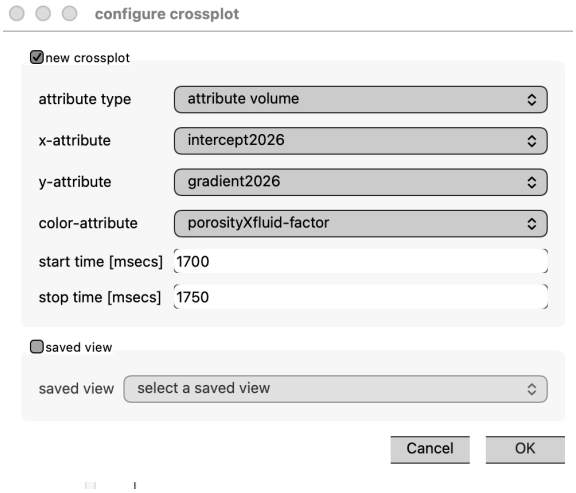


The next figure shows both the filled polygon and an Arb Line. One removes the 'last segment' of the Arb Line by unchecking the close polygon box. Note that one can, as with polygon change, how the Arb Line is displayed.

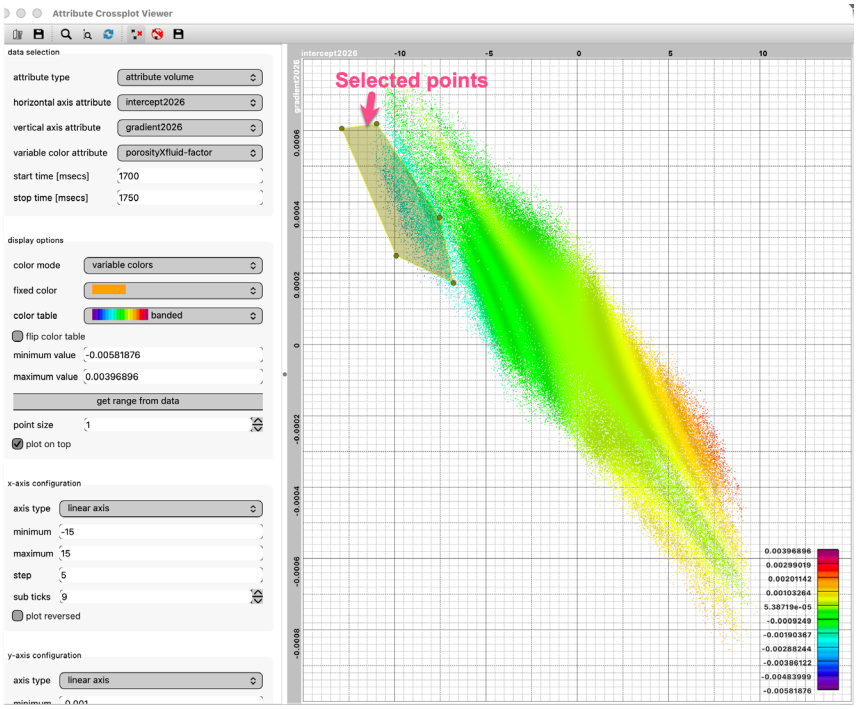


POINTS

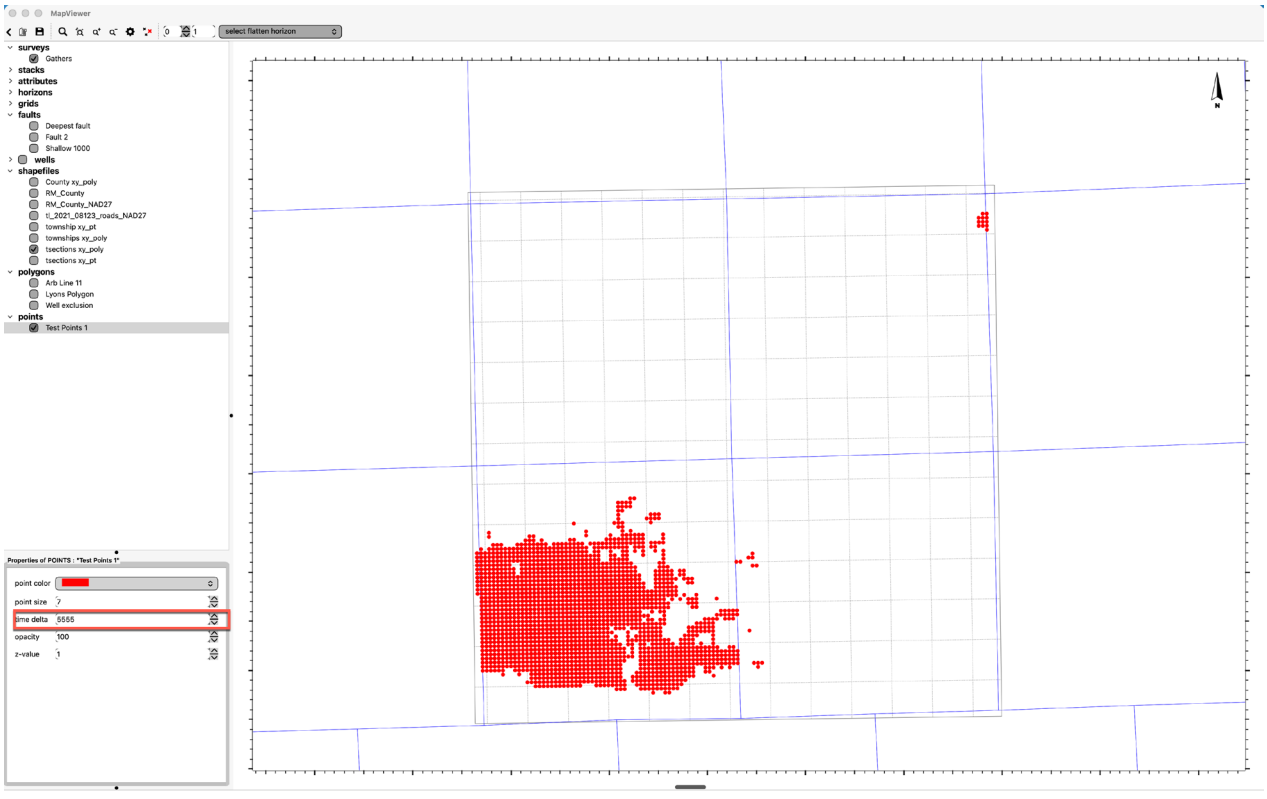
Points are totally unrelated to Arb Lines and Polygons. Points are the result of making a selection on cross plots. Open the Crossplot Viewer, and choose whether you want to cross plot attributes on a grid (map) or a volume. Choose the attribute for the x-axis, y-axis and if you desire a 3rd attribute which will be overlaid in color. Then choose the start and end time for the data to be analyzed. Choose OK to generate the plot. If you see points of interest, you can select them using the picking tool. After you have named and saved the points, using the disk icon to the right on the menu bar, you can display them in the Map Viewer or 3D Viewer.



The resulting cross plot with the third variable shown in color. Notice the selected points to be saved and then displayed.



To display volume attribute points on a map, you must first choose the points to be displayed, and set the time delta for the points to a large number (greater than the time range of your data). See the map view below.



To display the selected points in the 3D Viewer, open the viewer, and again select your points. You can zoom in on them to show them in a 3D perspective. Notice the time range at the bottom left of the display has been zoomed in to see detail.