**Tools, Tips, and Workflows**

# Drape Profile Visualization Tool

LP360

BSAU | AWG

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Another useful visualization tool is **Drape Profile**, available in the Profile Window. With this tool, you can draw a profile line that is draped to your surface. The draped line is the result of overlaying/draping the center of the profile extent on a triangulated irregular network (TIN) created from the LIDAR points. The result is a collection of 3D points that can be displayed as a line or exported to external files. (Figure 1)

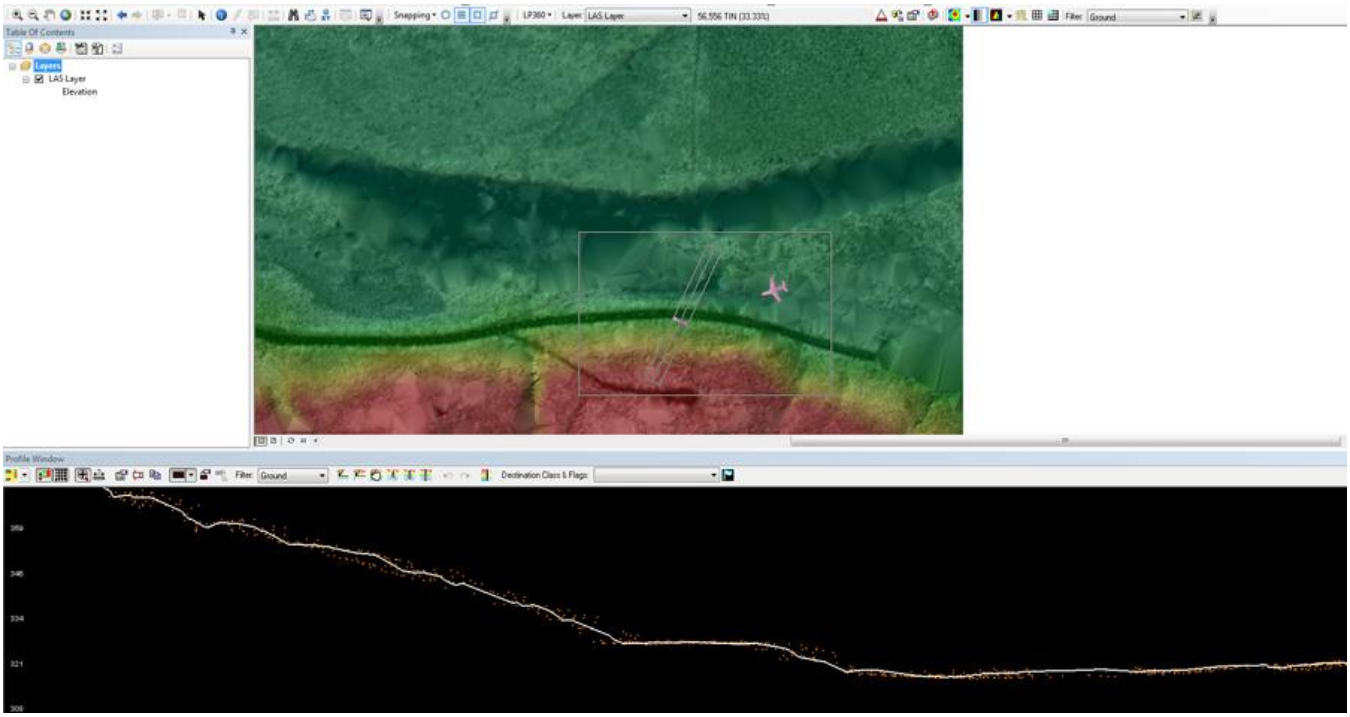

*Figure 1*

If the Drape Profile setting is turned on, the line will always be calculated and drawn each time the profile extent changes. In addition, if the 3D Window is visible and overlaps the same geographic area as the profile, the draped line will display in the 3D Window.

To enhance the visualization benefits even more, select the **Draw Profile Box in 3D Viewer** button on the LP360 Viewer Integration Toolbar. This allows you to track exactly where you are relative to all three view windows. (Figure 1, 3).



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To give it a try, draw a profile in the map view and then select the **Drape Profile** button on the Profile Window tool bar to create the drape line. (Figure 2)

*Figure 2*

Now define the 3D Viewer Window Extent around the profile in the Map Window (Figure 1), and select the **Draw Profile Box in 3D Viewer** button . Scroll in the Profile Window to see the drape move along the surface in the 3D Viewer Window.

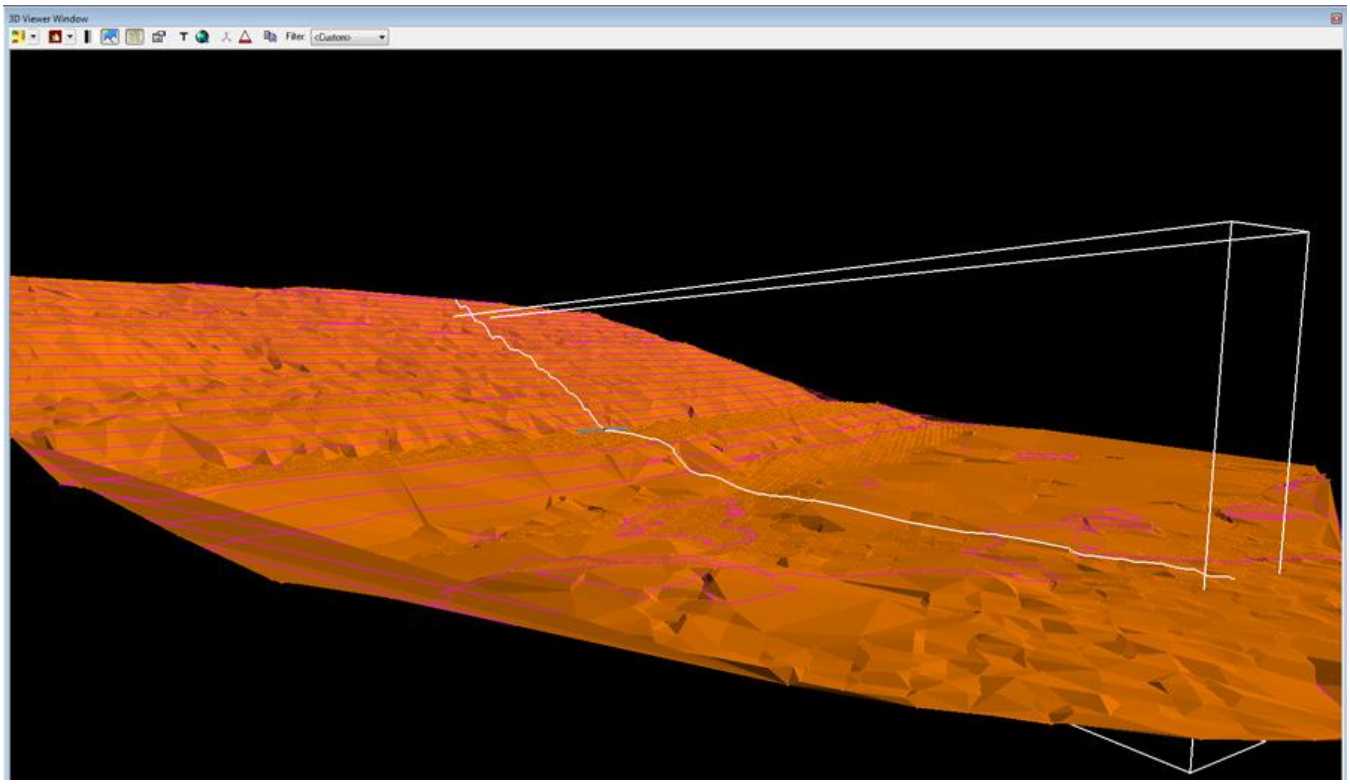


*Figure 3*

Note: In this example, I have filtered the display to ground.