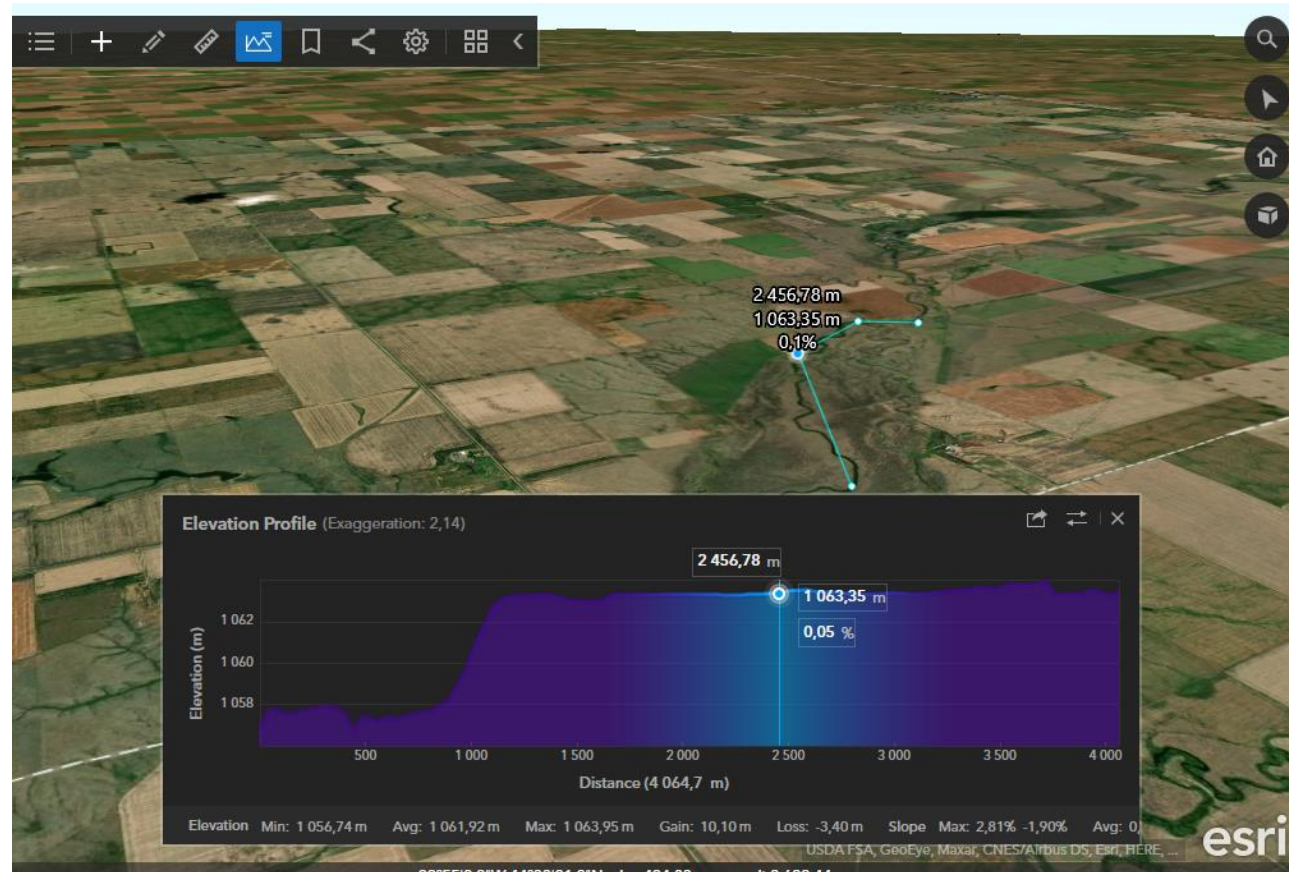


ArcGis Earth exploration

Nicolas Vuille-dit-Bille

Creek elevation Profile



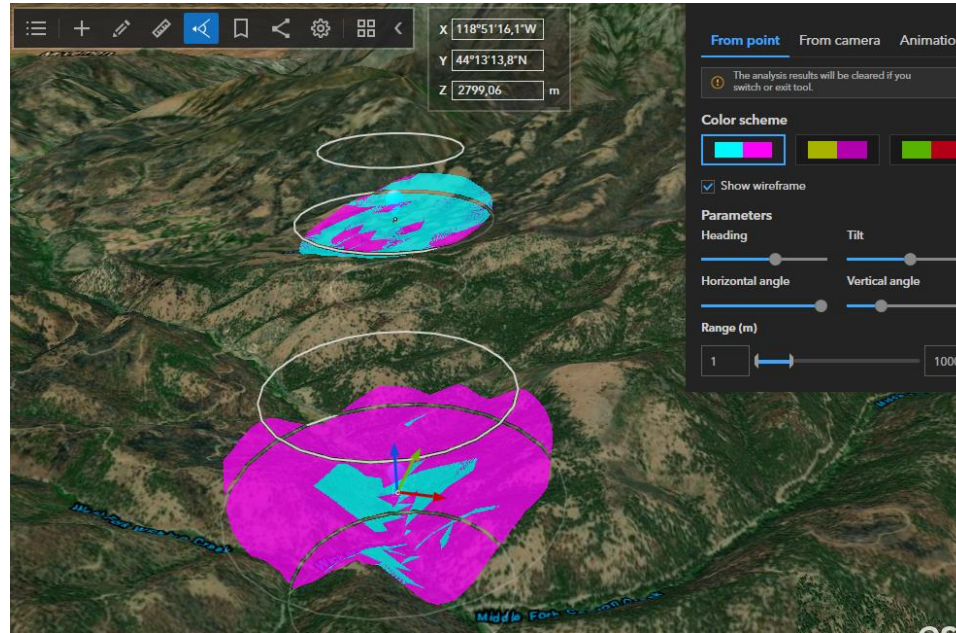
- Medicine Knoll Creek close to Blunt city in South Dakota
- According to the drawn profile, the creek altitude increases quickly after around 900m and after around 1200m a plateau is reached

City exploration: Valls in Catalonia (Spain)



- On the left, the image shows that this city is surrounded by mountains
- On the right, the image shows that a river crossed the city. On this image, the river seems to be dried-up but may be more active in rainy season.

Topography observation: Grant area in Oregon



Viewshed analysis of Grant area in Oregon

- Blue point represents the point of view and the coloured surface around corresponds to the visible and obstructed area from the point of view.
- The visible area is in cyan and the obstructed area is magenta.
- At the forefront, there are a lot of obstructed areas (in magenta) because the point of view is situated in a valley.
- In the background, the point of view is situated in a flatter area. So more areas are visible (in cyan) from the point of view

References

<https://www.esri.com/en-us/arcgis/products/arcgis-earth/overview>