

Functionality of Elevation Profile

Contents:

- Purpose
- How do you get Elevation Profile

Purpose

The purpose of the tutorial is to showcase the functionality of the Elevation Profile. This tool is used to display the elevation profile along a user defined pathway.

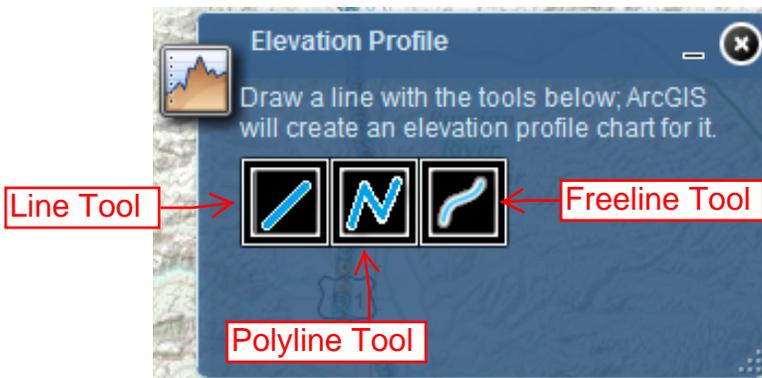
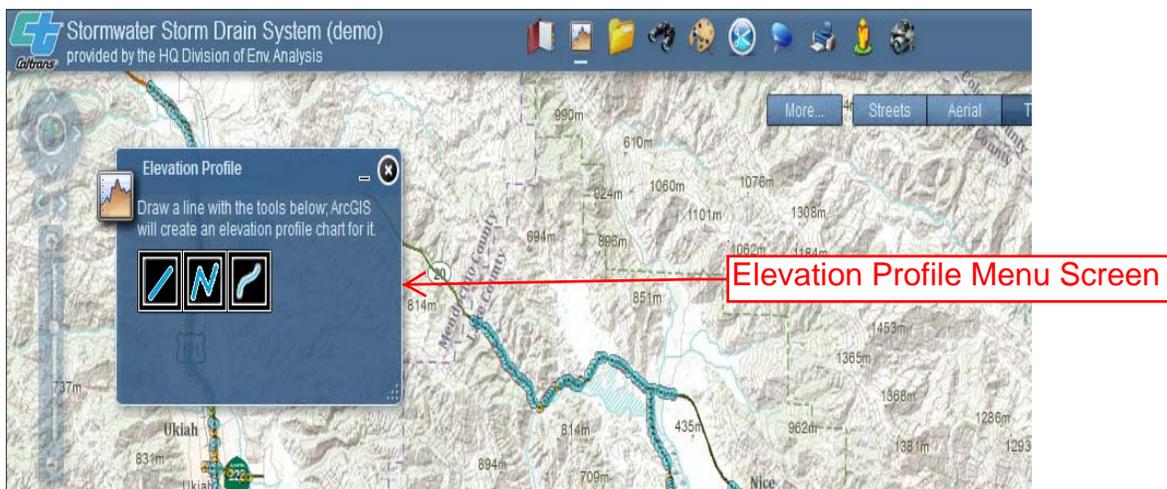
How do you get Elevation Profile

Elevation profile Icon

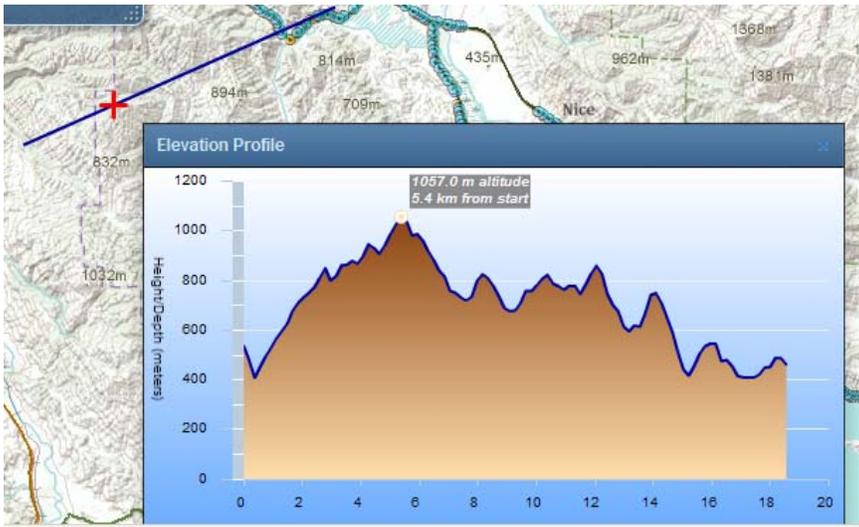
1. Click on the Elevation Profile



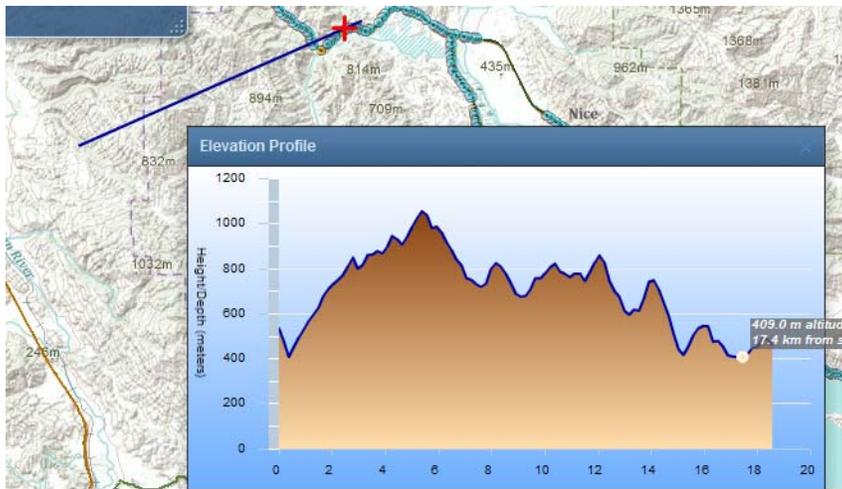
2. The Elevation Profile Menu screen comes up. There are three options to use to display the elevation profile: line, polyline and freeline.



- A. Line Tool: Click on the line tool. Go to the point where you want to start from. Press down the left mouse to start and move your mouse to go to the desired location and let go of the mouse to finish.

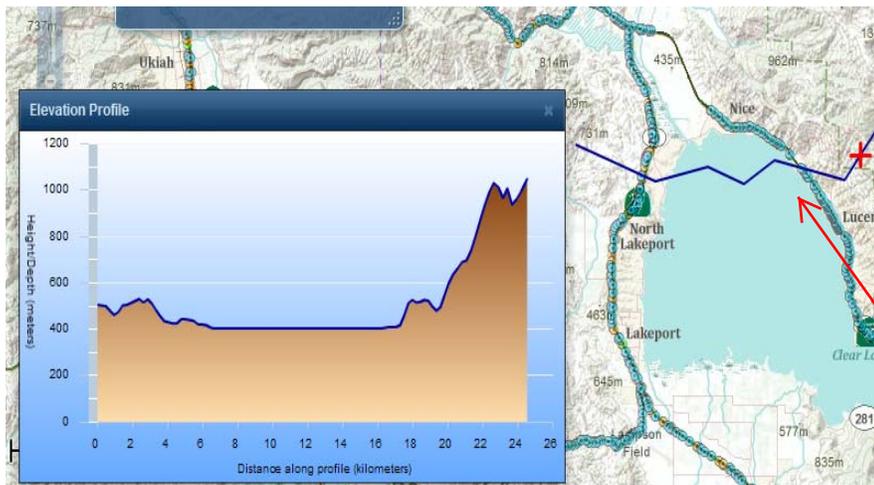


Elevation and distance from the starting point in between the line



Elevation and distance from the starting point towards the end of the line

- B. Polyline Tool: Similarly the use of the polyline indicates the elevation on a series of lines. Click on the polyline tool. Click on the map to start and then click once for each vertex. Double click to end.

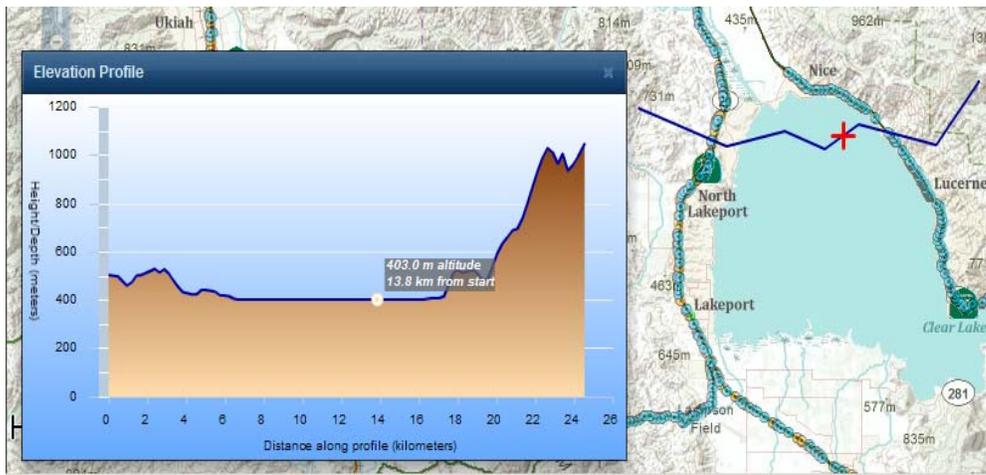


Drawn with Polyline Tool



Distance from start and Elevation of the point X in red on the line on the map

Elevation and distance towards the beginning of the line

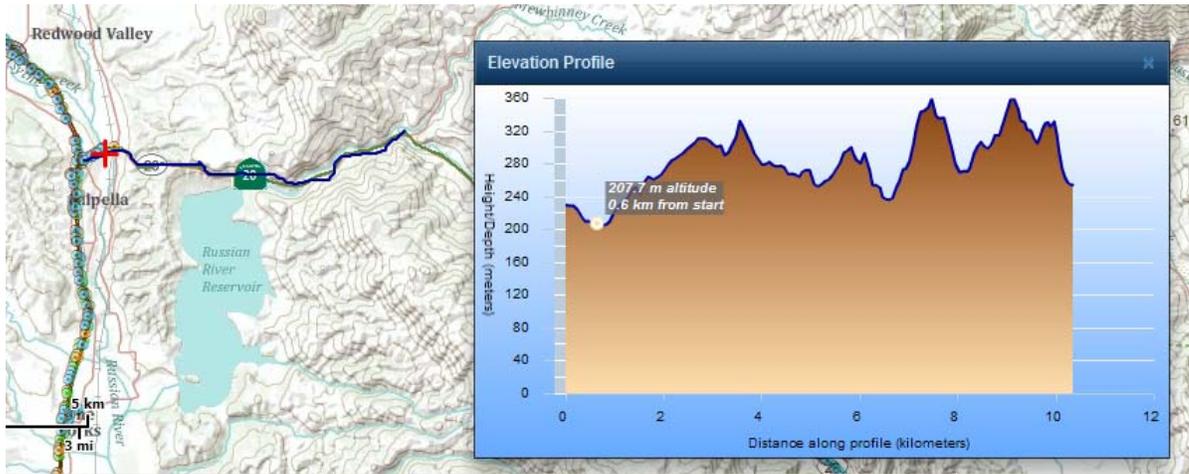


Elevation and distance towards the end of the line

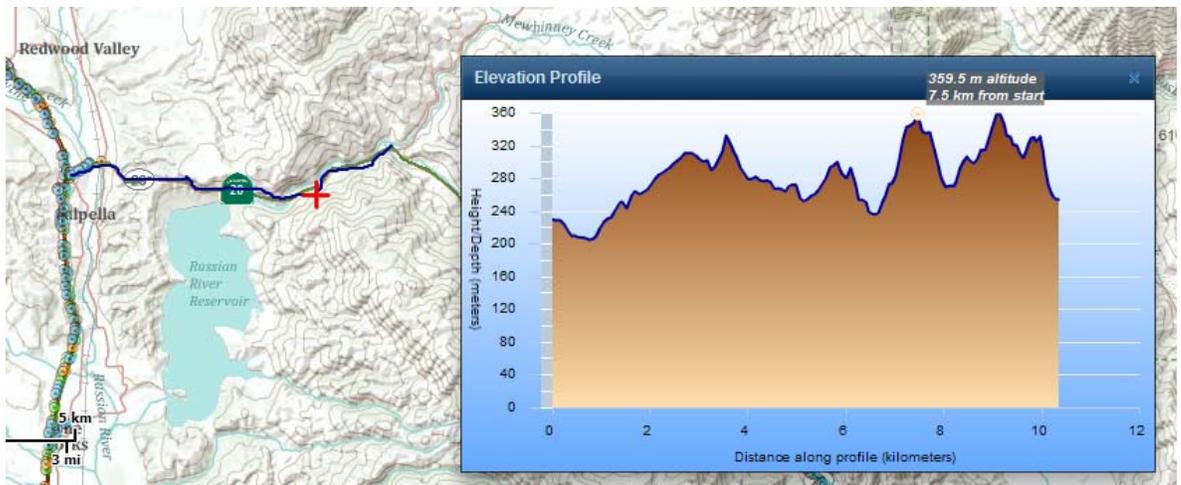
- C. Freeline Tool: Freeline tool is most appropriate to get the elevation profile along a highway. Click on the Freeline tool on the elevation profile panel. Press down the left mouse button to start drawing the line and let go to finish. The elevation profile is displayed.



Drawn with Freeline Tool



Elevation and distance towards the beginning of the line



Elevation and distance towards the end of the line

For video tutorial, visit http://env.dot.ca.gov/env_gis/tutorials/elevation/elevation.html