

Performing viewshed analysis

- 1 Activate a grid or TIN theme that will serve as the elevation surface on which the viewshed will be determined in a view or 3D scene.
- 2 Also, activate a point or line theme, which will be used to supply the observation points.
- 3 Choose the Calculate Viewshed option under the Surface menu.
- 4 If the input elevation surface is a TIN, specify the output grid extent on the Output Grid Extent dropdown list, the cell size in the Output Grid Cell Size input field, and the number of rows and columns in the Number of Rows and Number of Columns input fields on the Output Grid Specification dialog. Press OK.

Viewshed analysis indicates not only what areas of a surface can be seen by one or more observers, but also, for any visible position, how many observers can see the position. The result is a grid theme with visibility attributes assigned to every cell. The assigned values are the number of observation points from which a particular location can be seen.