

Cross Sections

Create single- and multi-panel 2D cross sections of geologic data: interpolated lithology, stratigraphy, quantitative data, fractures, and aquifers. Include source log data, borders, titles, legends. These features are **included in RockWorks Levels 4 and 5**.

In addition to displaying your borehole data as logs and log sections, RockWorks also allows you to create cross sections of interpolated (modeled) geology data: lithology distribution, stratigraphic layers, quantitative data distribution (geochemistry, geophysics, geotechnical), interpolated colors, fracture proximities, aquifer surfaces.

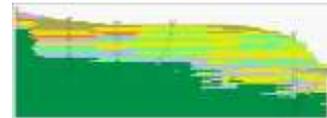
Both single-panel profiles and multi-panel sections are available. Panel endpoints can be defined interactively in a map window, or they can be read from an endpoint list.

All include automatic section location maps, detailed coordinate annotation, and logs can be appended automatically.

Use ReportWorks to create stunning page layouts with maps, legends, scale bars, and more.

Lithology Sections

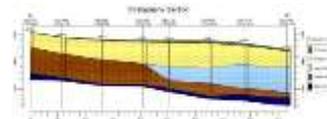
Display interpolated lithology as profiles and multi-panel sections. These are vertical slices of a solid lithology model.



Vertical 2D profile of modeled Lithology data

Stratigraphy Sections

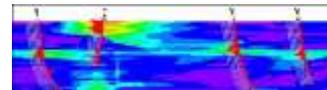
Display stratigraphic layers as profiles and as multi-panel sections. Both "straight" sections with simple linear correlations, and modeled sections, based on grid surfaces, are available.



2D stratigraphic section

Quantitative Sections

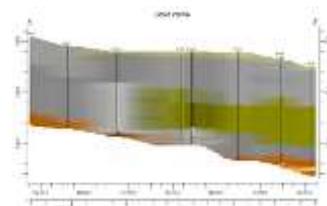
Display your interpolated geochemistry, geophysical, geotechnical or other quantitative data as single- or multi-panel sections. The panels are vertical slices of a solid model. Include line and/or color-filled contours on the panels.



Soil plasticity profile with superimposed logs showing quantitative data as bar graphs

Color Sections

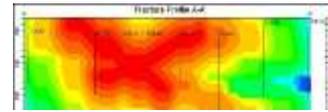
Display interpolated color data as profiles and multi-panel sections. These are vertical slices of a solid color model.



Vertical 2D profile of interpolated color data

Fracture Sections

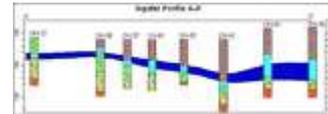
Display proximity to fractures as single- and multi-panel cross sections. Include line and/or color-filled contours on the panels.



Vertical profile from fracture data model

Aquifer Sections

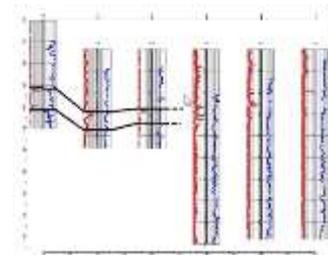
Aquifer top and base surfaces can be displayed in profile or section diagrams. Overlay strip logs for a stunning look.



Aquifer profile with stratigraphy logs

Striplog Sections

Create cross-sections based on borehole and well-log data and add your own correlations using the annotation and drawing tools in RockWorks.



Cross-section showing correlation lines

Other cross section features:

- Plot vertical axis labels (elevation)
- Plot horizontal axis labels (distance or x, y coordinates)
- Plot title and end point labels (e. g. A and A')
- Plot ground surface profile
- Overlay strip logs
- Include lithology, stratigraphy and color legends
- Create section location maps as separate images and/or included in the section itself.
- Profile diagrams can display orientation "stripmaps" and borehole collar distances to the projected profile line.