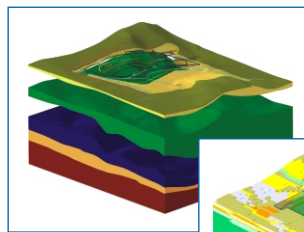


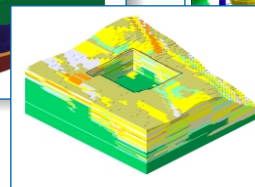
Professional Applications

- ▶ **Drilling and exploration:** creating surface geochemical contour maps, 3D terrain models, drillhole logs, fence diagrams, and stratigraphic block models
- ▶ **Petroleum:** creating cross-sections, isopach maps, reservoir models, and developing lease maps
- ▶ **Mining:** economic and volumetric analysis of deposits
- ▶ **Structural geology:** analyzing formations using rose diagrams, stereonets

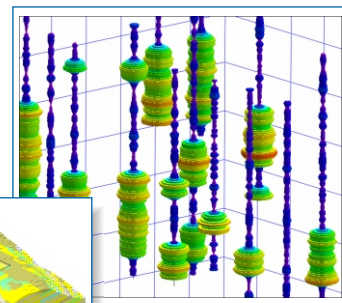
STRATIGRAPHIC MODELS



SOLID MODELS



3D DIAGRAMS



Overview

RockWorks is an integrated geological visualization and analysis tool developed to address the many needs of those in the environmental, civil engineering, petroleum, and mining industries. RockWorks couples a host of easy-to-use graphical tools with advanced interpolation algorithms, giving users the ability to create everyday diagrams such as contour maps, stereonets and cross-sections, as well as high-end three-dimensional models and graphics. Data can be entered into the **Borehole Manager**, a tool specifically developed for the modeling of downhole sub-surface data; or it can be entered into the easy-to-use **Geological Utilities** datasheet.

Professionals use RockWorks for the following applications:

- ▶ Hole-to-hole and projected cross-sections showing multiple types of downhole information
- ▶ Solid modeling of downhole lithology, interval-based sample information and point-based data
- ▶ Surface-based stratigraphy and hydrostratigraphic models
- ▶ Cross-sections, profiles and fence diagrams based on raw data and solid/surface models
- ▶ 2D point and contour maps
- ▶ Piper and Stiff diagrams
- ▶ Fracture and lineation modeling
- ▶ Planar and linear analysis
- ▶ Stereonets and rose diagrams
- ▶ Univariate statistics
- ▶ Statistical diagrams (ternary, histogram, scatter)

New Features in RockWorks

- ▶ Borehole data is now stored in an Access-compatible database (.mdb)
- ▶ New 2D and 3D Striplog layout tools
- ▶ Raster log calibration
- ▶ Import LogPlot, LAS, and IHS data
- ▶ Improved Stratigraphy modeling tools
- ▶ Hole-to-hole and projected cross-sections
- ▶ Improved DXF and Shape file imports and exports
- ▶ Export solid model isosurfaces, boring logs, stratigraphic and gradational fence diagrams and surfaces as ESRI 3D Shapefiles for use in ArcGIS ArcScene
- ▶ New **ReportWorks** program for easy page layout of images, legends, logos, and text
- ▶ View buildings, roads, USTs and additional shapes as 3D objects
- ▶ Enhanced interpolation methods and new grid filter tools
- ▶ Tilt or warp lithology and solid models based on a regional bedding dip or structural surface
- ▶ Create geology maps from lithology or stratigraphy data, based on slices or surfaces.
- ▶ Manually build stratigraphy models to incorporate advanced filtering techniques
- ▶ Use the improved, interactive stratigraphy picker to select stratigraphic contacts from curve, lithology, or raster logs
- ▶ Easy time animation (solid model morphing) in **RockPlot3D** given a list of existing models, with AVI movie export

The New RockWorks GIS Link

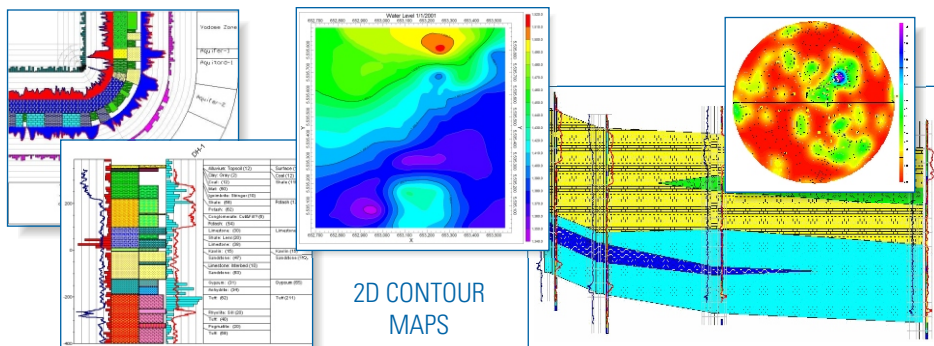
Use the new **RockWorks GIS Link** toolbar in ArcMap to create point shape files based on your RockWorks Projects. Select your profile, section and fence diagram lines in ArcMap as well!

- ▶ Create well location files in ArcMap as shape files, feature classes in a personal geodatabase and layers based on your RockWorks2006 borehole manager project
- ▶ Create profiles and sections using the RockWorks2006 engine and any of the following data types: striplogs, lithology, stratigraphy, interval(I)-data and point(P)-data
- ▶ Snap to the closest borehole or well location when choosing your section lines with the point snapping tool
- ▶ Create 3D fence diagrams using the RockWorks2006 engine and any of the following datasets: striplog, lithology, stratigraphy, interval(I)-data and point(P)-data
- ▶ Interpolate stratigraphy sections and fence diagrams or base them on hole-to-hole straight lines sections

Documentation: RockWorks includes a comprehensive User's Manual and a step-by-step tutorial to get you started fast!

System Requirements: PC Pentium III, 400MHz, 512 Mb RAM, SVGA monitor

RockWorks GIS Link requires WinXP and ArcGIS 9.x.



2D CONTOUR MAPS

CROSS SECTIONS

STRATIGRAPHIC PROFILES

Pricing

Rockworks..... **US\$ 1995.⁰⁰**
Single-User License

Upgrades **US\$ 399.⁰⁰**

Note: Educational Rates Available!