
Improvement: RockWorks no longer crashes when running ModOps | Volume | Thickness -> GT Grid with GT Volumetrics.

Improvement: Borehole Manager tabs now load SQL Server/ODBC lookup data in the correct order, preventing "connection is busy with results for another hstmt" errors.

Fix: Corrected Stratigraphy and HydroStratigraphy depth conversion in mixed-unit projects. Single-interval data is now converted from the project's stored vertical units to the selected output units before plotting or exporting.

Fix: Borehole Manager | File | Import | Database Wizard now completes SQL Server/ODBC imports without the “Connection is busy with results for another hstmt” error. The wizard finishes retrieving each set of records before starting another database operation.

Improvement: Added an option to the Borehole Map Stratigraphy Data labels to plot the value from a selected user-defined Stratigraphy or Hydro-Stratigraphy field. This allows custom fields added to the stratigraphy tables to be included in borehole map labels with optional prefix and suffix text.

Fix: RockPlot3D solid-model voxels now honor the Smooth/Flat shading option. Smooth mode blends the shading across voxel faces, while Flat mode keeps each face uniformly shaded.

Fix: Resolved an issue in Grid | Create | XYZ - Grid where datasheet Z values could be incorrectly converted from feet to meters when using a custom PRJ coordinate system with survey-foot units. Grid Z values now use the project vertical units instead of the coordinate-system output units during gridding.

Fix: Time Graph now ignores hidden resampling settings saved by other T-Data programs. Because Time Graph has no resampling option, it always uses the normal T-Data extraction method.

Fix: Closing a RockPlot3D file no longer causes an access violation related to the object tree.

Fix: The Color Model horizontal and vertical slices in RockPlot3D display solid slice faces while the view is static, instead of only showing their wire outlines during rotation.

Fix: RwMenu files are now being listed in the project manager and can be opened with a double click. Also, when rwmenu files are opened in RW2026, they are converted using the Playlist converter.

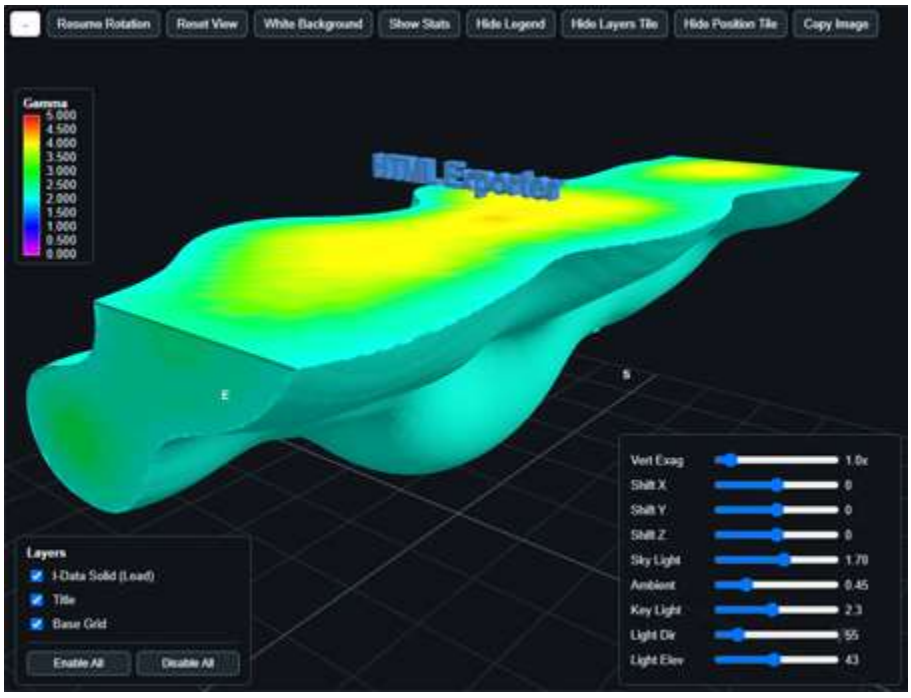
Fix: Exporting a RockPlot2D profile to RockPlot3D no longer causes an access violation when a profile panel extends beyond the PNG image boundaries.

Improvement: RwMenu files are now being listed in the project manager and can be opened with a double click. Also, when rwmenu files are opened, they are converted using the Playlist converter.

Fix: Fixed RockPlot2D EMF/WMF export sizing when manual vertical exaggeration is used, preventing oversized imports in applications such as Adobe Illustrator.

New: PDFs created with Borehole Operations | Striplogs | All Logs | PDF now include a Table of Contents panel on the left for navigating between logs. Click the Help button in the menu to learn more.

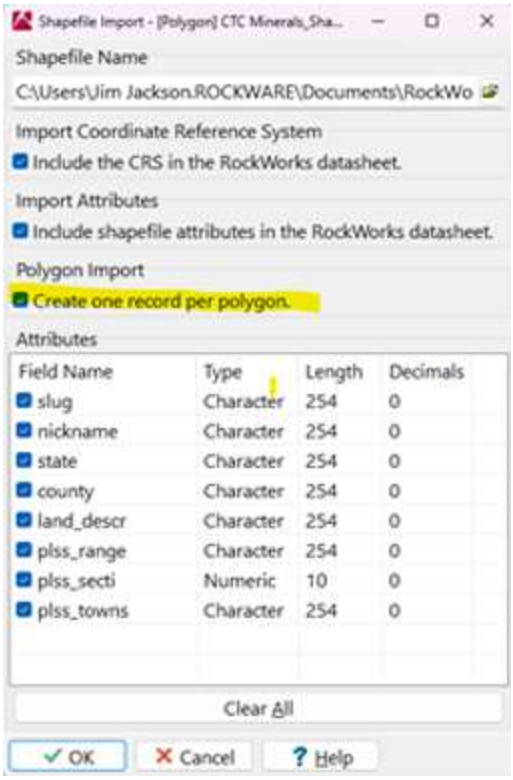
New: Borehole Operations | Maps | Borehole Map | Output Options now includes HyperMap. This option creates an interactive HTML borehole map for viewing in a web browser. Clicking a borehole symbol opens its log diagram in the PDF created with Borehole Operations | Striplogs | All Logs | PDF. Click the Help button in the menu to learn more.



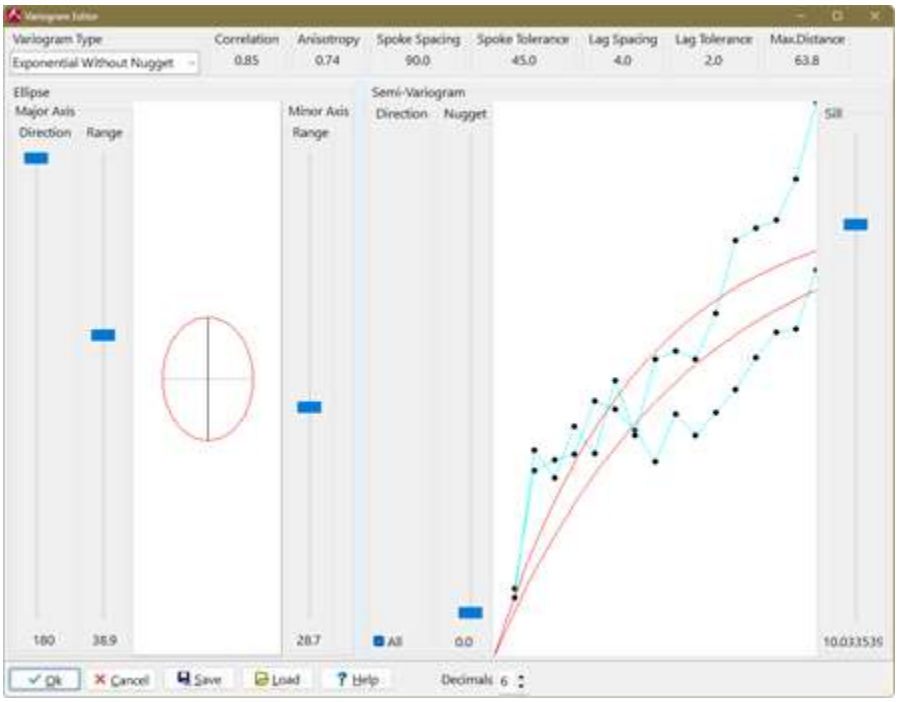
Improvement: Added live refresh support for datasheet column-selection menus in these program option areas, so open menus update their column lists after datasheet columns are changed: Block Labels; Circular Symbols; Colored Raster Symbols; Convex Hull; Copy File List; Extract Values; File List; Google Earth Cylinders; Grid Evaluate; Hyperlinks; Vertical Image Margins; 2D Montage; Object Size; Polyline to 3D Faults; 3D Points; Polygons to Solid; 2D Polyline; Polyline Export; Replace Text; Scattergram Border; Solid Evaluate; Table-Based Raster Symbols; Ternary Map; Time Mass; 3D Tubes; Uniform Raster Symbols.

Improvement: Added a DXF 2D import option to import closed DXF polylines as RockPlot2D polylines instead of filled polygons. This allows closed contour loops from CAD files to retain their Z/elevation values so they can be used by the Contours | Grid program, while preserving the previous polygon import behavior by default.

Improvement: Added a datasheet shapefile polygon import option to create one row per polygon instead of one row per polygon vertex. When enabled, the import includes Polygon #, Min X, Min Y, Max X, and Max Y columns along with the selected DBF attributes. This makes it easier to import polygon-level data such as PLSS lease-map attributes. The existing vertex-per-row import behavior remains unchanged by default.



Improvement: The lag points within the variogram editor have been changed from small, hard-to-see crosses to small black dots.

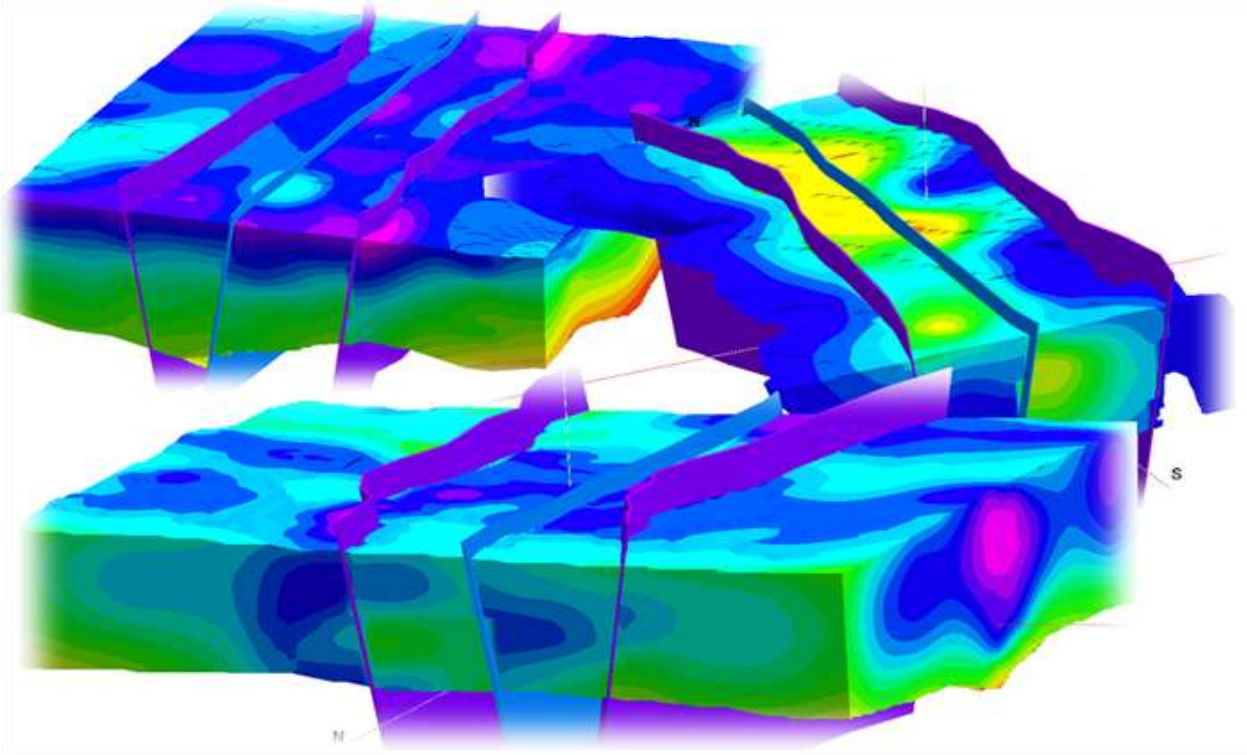


Improvement: Pre-Model Points for Variograms in the Solid Kriging menu now uses multiple processor threads, making it significantly faster.

Improvement: ModOps | Solid | Statistics | Residuals now uses multiple processor threads, making it significantly faster.

Improvement: ModOps | Grid | Statistics | Residuals now uses multiple processor threads, making it much faster.

Improvement: The Radial Basis Function (RBF) solid modeling faulting is more realistic.



Improvement: Fixed Single Spoke kriging variogram handling so the correct variogram is used in 2D and 3D kriging, and corrected Single Spoke option indexing in 3D metadata and 2D variogram setup.

Improvement: Changed kriging variogram output labels from “Relative Sill” to “Sill” because the reported value is the variogram sill/semivariance coefficient, not a normalized relative sill.

Improvement: Improved 3D kriging solid modeling speed while preserving model quality by using parallel processing and balanced sample selection around each voxel.

Improvement: Stratigraphy | Section | Linear Correlation now supports deviated boreholes that have been converted to true vertical depth (TVD).

Improvement: The red and blue question-mark buttons found in many menus are now consistently blue. Their pull-down menus also include links to RockWorks Training and the RockWare Knowledge Base.

Improvement: Help hints have been added to 301 RockWorks buttons, and typographical errors have been corrected in 20 existing hints.

New: The Execution History page now includes a Copy to Clipboard button for copying the history list to the Windows clipboard.

Fix: The Size option within the RockPlot3D menu now responds correctly to a size that is manually entered.

Improvement: When running a Playlist, 2D and 3D diagrams are no longer displayed in separate dialog windows before being plotted within a Playlist tab.

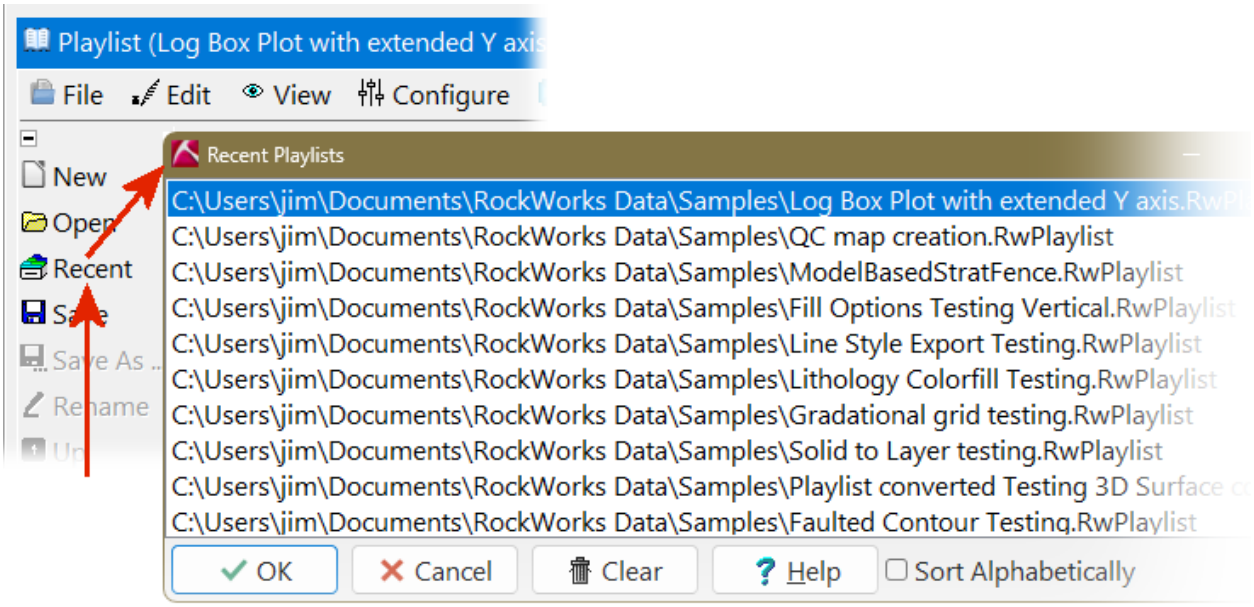
Improvement: RockWorks automatically creates backup copies of your playlist files and project settings before making changes to them. These backup files are saved in the Backup subfolder within your project folder.

Fix: Onlap/underlap only adjusts cells that already exist in the current formation and have valid top and base elevations. It does not create new cells from blank areas, and it does not let blank areas in neighboring formations shrink the current formation.

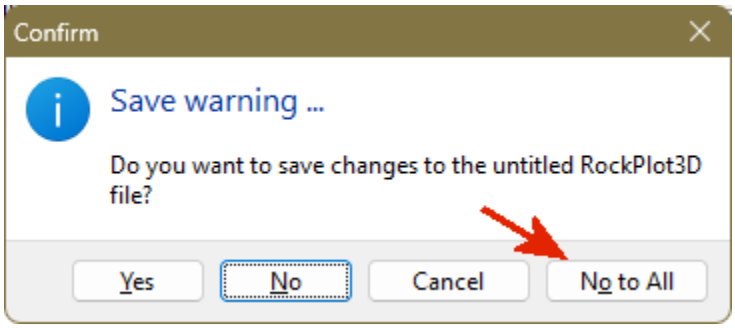
Improvement: When generating layered stratigraphic models or stratigraphic block models, units within the Stratigraphy Table that have an unchecked Show-In-Legend setting now log a "quiet note" within the execution log rather than displaying a warning message. This eliminates interruptions when processing a playlist.

Improvement: The Network License Server is now more reliable when several users connect at the same time. Licensing operations are coordinated to prevent intermittent lookup failures, duplicate license assignments, and damaged licensing data. Server shutdown is also safer when client connections are active.

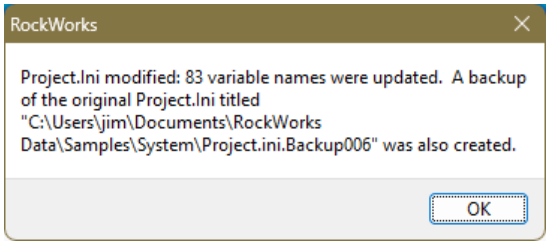
Improvement: The Playlist menu now includes a history list for quickly reopening a recent playlist.



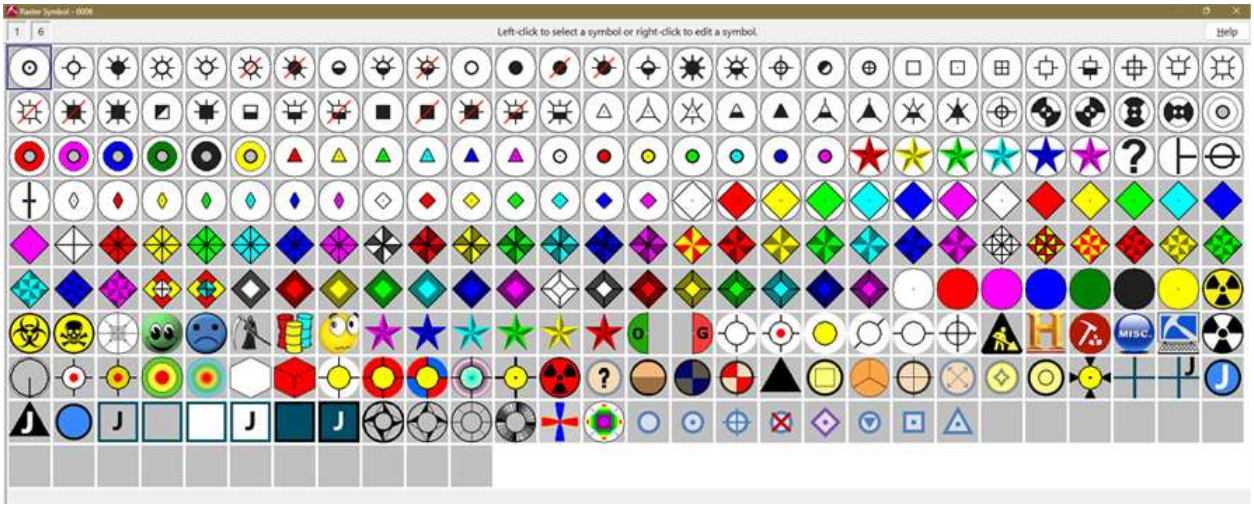
Improvement: When closing the program, the "Save Warning" now has an option titled "No to All" that will skip subsequent save warnings and discard any unsaved changes to RockPlot2D and RockPlot3D files.



Improvement: RockWorks now provides a notice when an older Project.ini file is updated.



Improvement: Eight new hydrological symbols have been added to the raster symbol library.



Improvement: The following changes have been made to the RockPlot2D | Edit | Copy Image and RockPlot3D | Edit | Copy Image operations.

- The “Copying Image to Clipboard” options within the RockPlot2D | Options menu have been relocated into the main RockWorks | Setup | Preferences | RockPlot sub-menu
- The RockPlot3D | Edit | Copy Image tool now behaves in a fashion identical to the 2D version as determined by the Settings | Preferences | RockPlot sub-menu.
- Images are now copied to the Windows clipboard immediately, so a progress bar is no longer displayed.

Improvement: Borehole Operations - Lithology | Solid - 3D Solid Diagram | Block Diagram Filter option filters the diagram for the selected Lithology G-Values.

Fix: RockPlot3D Point Digitizing | Export to Borehole Database now works when a fixed elevation is used, allowing the user to specify the collar elevation.

New: The title-block text auto sizing has been updated for multi-line peripheral title blocks and allows the text to fit within their designated boxes more reliably.

Fix: Numeric and date values pasted from applications such as Excel are no longer rejected because of hidden spaces. RockWorks now removes the hidden spaces before validating the values.

Fix: RockPlot2D drawing tools can be selected after zooming into a newly opened map/diagram instead of the zoom button state forcing the program back into zoom mode.

Fix: Fixed the Utilities | Maps | Point Symbols program such that points still plot when Z values are enabled but individual Z cells are blank.

Fix: Fixed the Utilities | Animate | Grids | Contour Map Animation program such that animation color palettes no longer shift unexpectedly.

Fix: Fixed the Utilities | Animate | Grids | 3D Surface Animation program such that animation color palettes no longer shift unexpectedly.

Fix: Fixed the Utilities | Animate | Solids | 3D Animation program such that animation color palettes no longer shift unexpectedly and RockPlot3D flashes less during frame rendering.

Fix: Fixed the Utilities | Animate programs such that cleanup after animation processing no longer causes history/logging access violations.

Fix: Fixed the Utilities | Images | Logarithmic Digitizing program such that the Logarithmic help button opens the correct help topic.

Fix: Borehole Operations | Lithology | Volumetrics Improvements:

1. Lithology mass calculations use the correct model values.
2. Lithology volumetric reports run faster.
3. Excel reports display Lithology G-values with two decimal places.

Fix: RockPlot3D | Lithology Model Options dialog Fixes:

1. The Help button works again.
2. The cursor resets properly after the user clicks Apply.
3. Clicking 'None' no longer performs repeated unnecessary updates.

Fix: Fixed 2D map programs that use logical color maps such that shaded relief is not incorrectly applied to logical true/false color fills.

Fix: Fixed older project loading such that legacy contour/color settings are preserved when older projects are opened.

Fix: Fixed the Borehole Operations | Maps | Location Map program such that transect endpoint labels use the correct table-based labels and that transect profile endpoint labels no longer inherit section label offset and font settings.

Fix: Fixed the Borehole Manager | QuickMap tab such that option pop-downs appear in the correct screen location.

Fix: Corrected the following RockPlot3D dimension-setting problems:

- Dimensions dialog, vertical exaggeration (VE) loads from the correct control.
- Save/Load Dimensions feature, vertical exaggeration (VE) is saved and loaded correctly in R3DIM files regardless of Windows number-format settings.

Fix: Project | New now closes the previous project's datasheet after creating a new project.

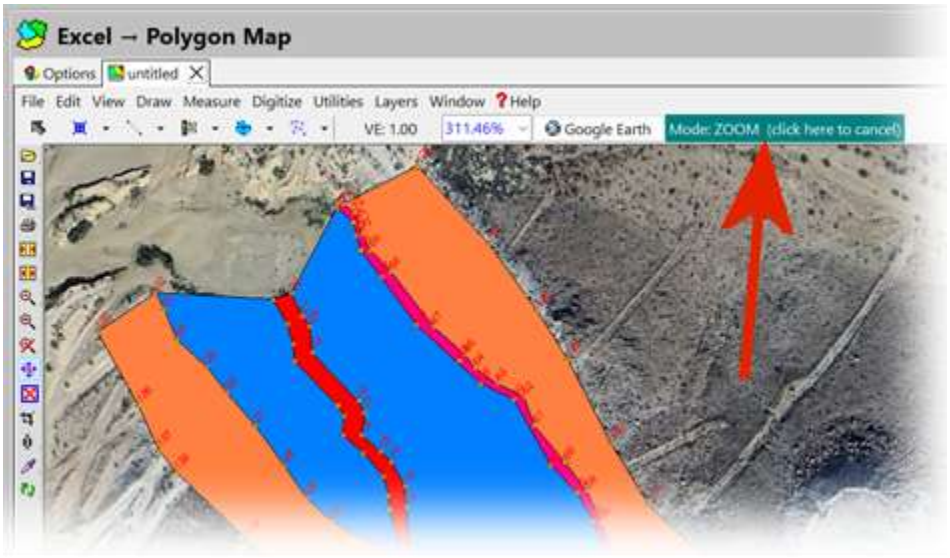
Fix: The Borehole Operations | I-Data | Resample program is set up so that the weighted-average resampling uses the interval center.

Fix: Fixed the Utilities | Solid | Extract Grid(s) | Solid to Grids program such that non-whole slice elevations are preserved in output grid/map names instead of being rounded.

New: Creating or changing a project now clears the main datasheet only when the project folder changes. This prevents the previous project's datasheet from remaining open while preserving it if the user cancels the New Project dialog. RockWorks prompts the user to save an unsaved datasheet before closing it.

Fix: Logarithmic histograms allow the Show Legend option to be enabled (without access violation errors).

Improvement: RockPlot2D now displays the current operating mode prominently at the top of the window. Clicking the mode button cancels the current mode and returns to Edit Mode. This replaces the less-visible controls previously located in the lower-left corner.

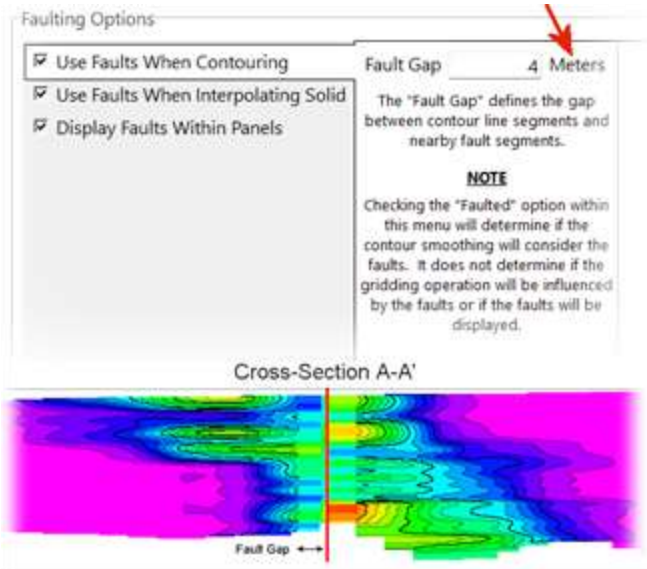


Fix: Corrected a very rare error in the point-in-triangle calculation used by several RockWorks programs.

Improvement: RockPlot3D now saves lithology types and names as XML attributes rather than element names. This allows lithology names to contain spaces while keeping the file valid XML.

Fix: Converting Coordinates in the RockPlot3D Utilities now converts the internal X, Y, Z offsets as expected.

Improvement: Added a Fault Gap option to Faulting | Use Faults When Contouring. This setting controls the distance, in project units (feet or meters), between contour-line segments and nearby fault segments.



Improvement: ModOps | Grid | Import | Raster includes several improvements, particularly when importing TIFF files.

Click to view this Write up from the online Knowledge Base to read about all of the improvements.

New: When the mouse pointer is positioned over certain menu items (e.g., Stratigraphy Layered Model), a small abstract is displayed describing the output produced by that command. These images are now stored in a TImageCollection, where each image is maintained individually in a compressed PNG format. This change eliminates the need to load a large bitmap at startup, reducing memory usage and decreasing the overall size of the RockWorks executable.

Improvement: The ribbon menu at the top of the Lithology, Stratigraphy, and Hydrostratigraphy Pickers has been condensed to fit better on smaller monitors.

Improvement: Smoothing in Utilities | Maps | Triangulation Contours now keeps contour lines aligned with their color bands.

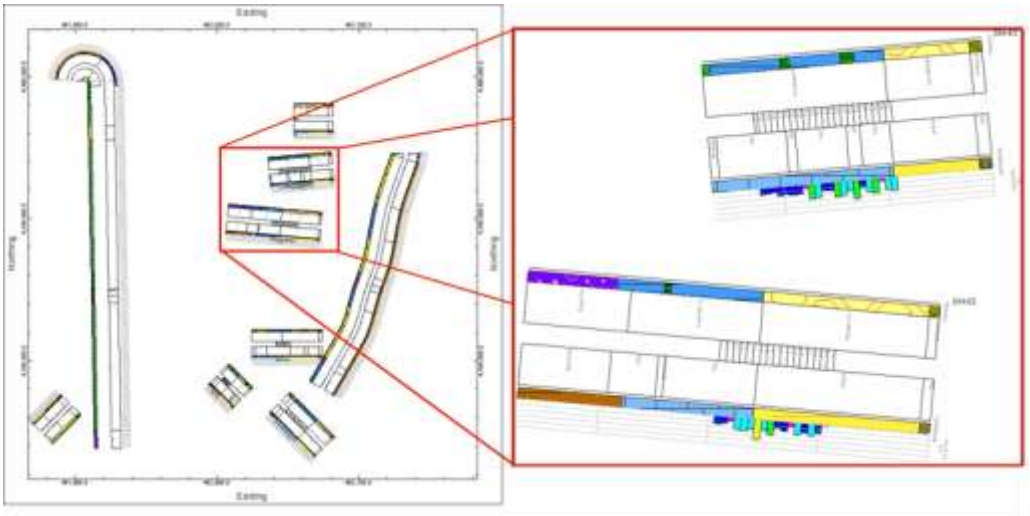
Click to view this Write up from the online Knowledge Base to learn more.

New: Borehole Operations | Maps | Striplog Map includes two new options:

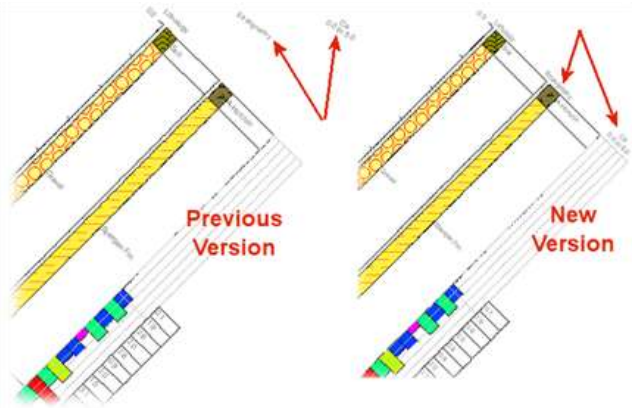
- The Include Arrowhead option.
- Convert inclined or deviated logs.

Click to view this Write up from the online Knowledge Base to learn more.

Fix: The Borehole Operations | Maps | Striplogs Plan View program now includes textual information for inclined and deviated boreholes and omits all vertical boreholes.

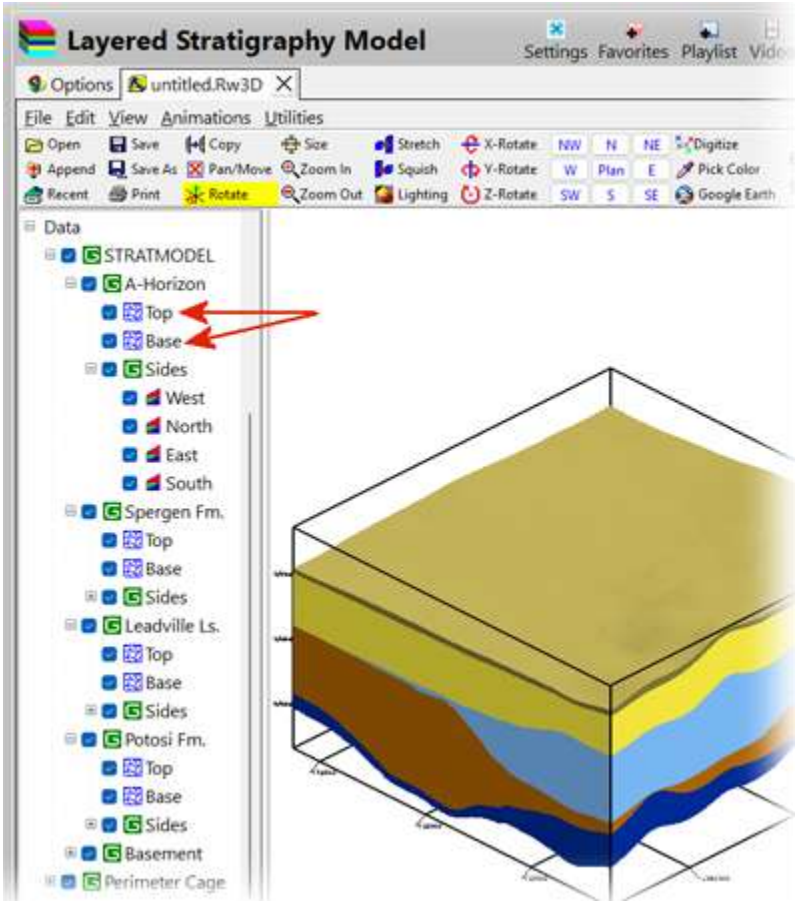


Fix: In striplogs projected onto a 2D vertical plane, each column title is now positioned directly above its corresponding data column.



Fix: Changing projects no longer causes a pointer or access-violation error when RockWorks closes windows from the previous project.

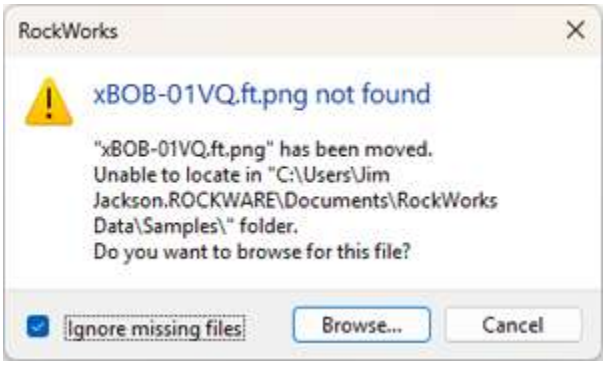
Improvement: The formations within a layered stratigraphy model no longer list the "Elevation Grid" as a sub-item for the Top and Base of each unit.



Improvement: A new option titled “Faulting” has been added to the upper tab bar for all programs that may involve faulting. This redesign centralizes the fault-related options into a single location rather than being distributed throughout the various sub-menus.

Click to view this Summary from the online Knowledge Base to learn more.

Fix: When a RockPlot3D diagram contains several missing linked files, the file-browsing dialog now includes an option to ignore additional missing-file warnings.



Fix: Saved RockPlot3D views now restore the correct font size and remain centered after zooming to a node.

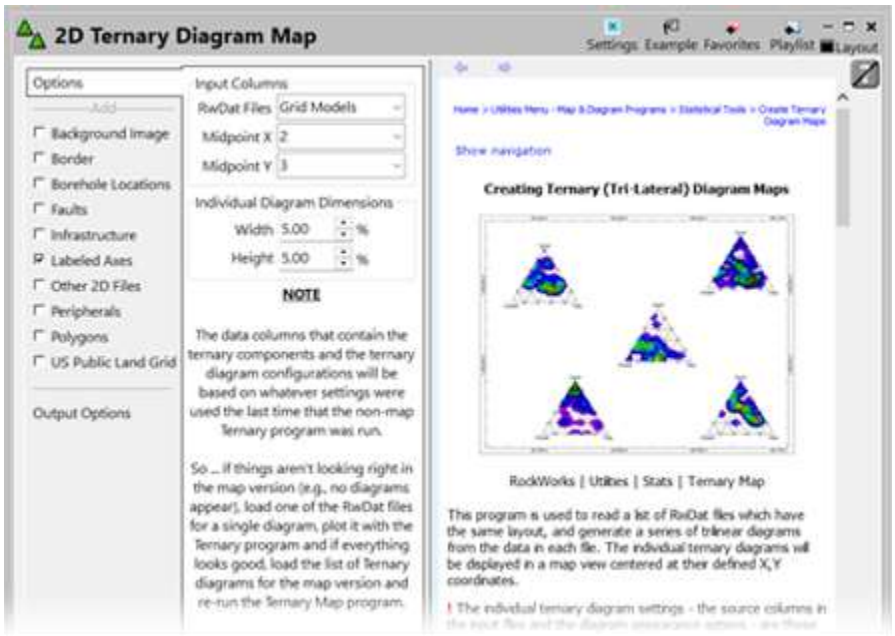
Fix: When importing a shapefile through a Playlist, the Elevation option is now saved in the menu item and applied during import.

Fix: Windows Clipboard is no longer cleared when clicking on Edit menu items in RockPlot3D.

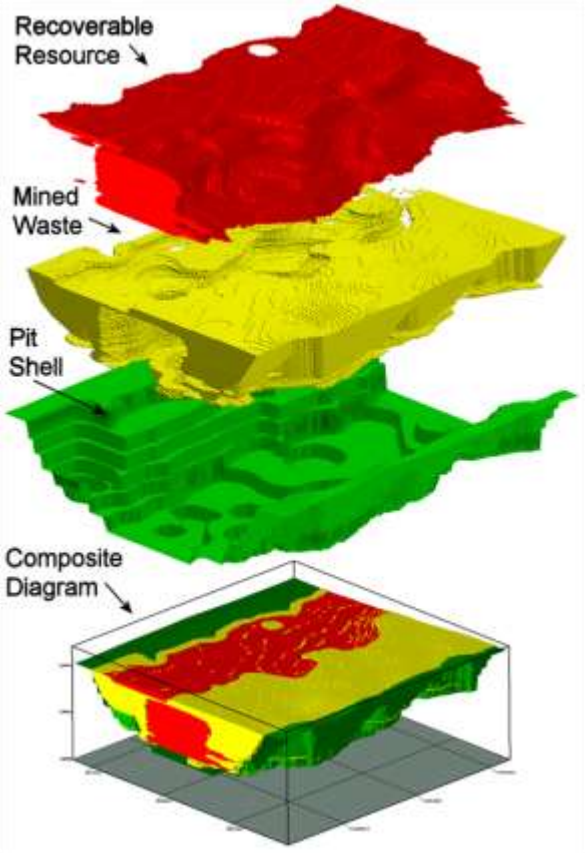
Improvement: In RockPlot3D the mouse scroll wheel will only increase/decrease the Zoom when the mouse is over the diagram. If the mouse is over the TreeView of objects it will scroll the TreeView, not affecting the Zoom.

Cosmetic: The Datasheet | File | Import | GPS Track and GPS Waypoints menus now include a warning to avoid trying to read files directly from the device.

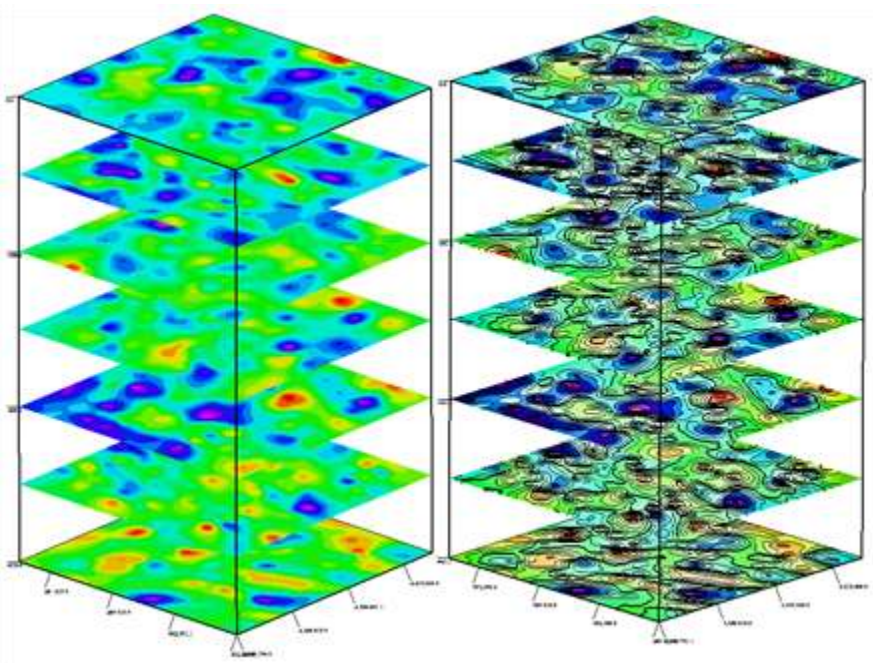
New: The Ternary Map program interface has been re-designed to emphasize how the program works in conjunction with the Ternary (single) program.



New: The ModOps | Volume | Extract Via Surface Excavation now plots the ore in red, waste in yellow and the pit shell in green.



New: Contour lines may now be included within the surfaces generated by the ModOps | Grid | Grids | 3D Stack Diagram program.



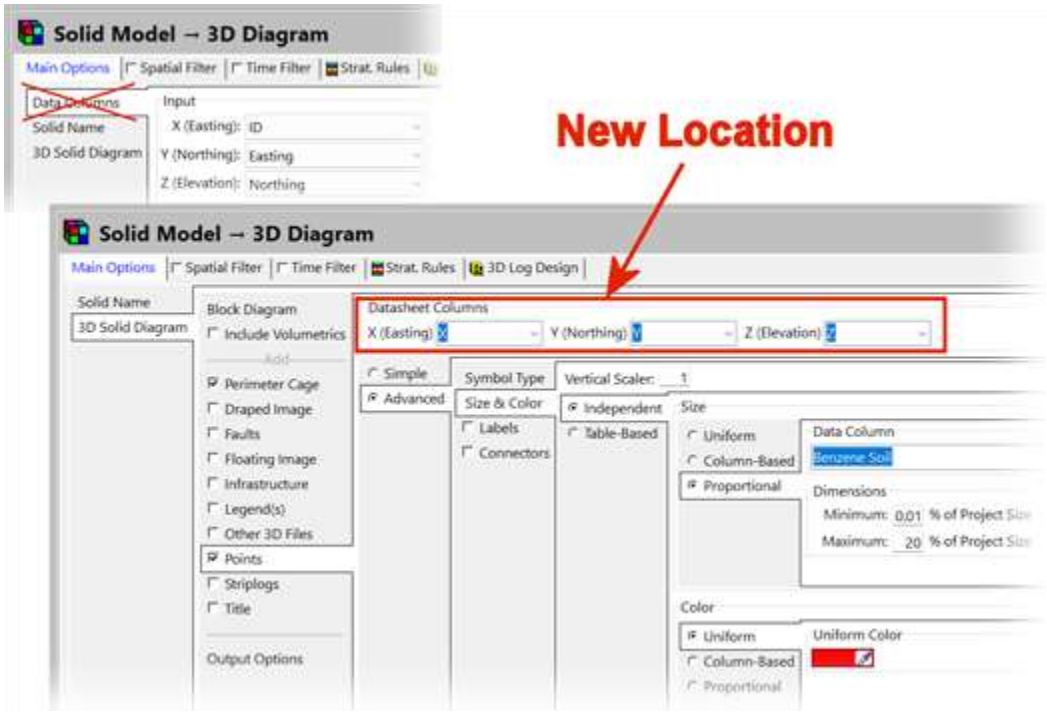
New: Lithology Volumetrics includes additional capabilities. Double-clicking a lithology model in the 3D display opens an enhanced Volumetrics window with these new features:

- G-Values and Density Data
- Mass Calculations
- Density Units
- Dynamic Output
- Advanced Calculations and Logic

Click to view this Write Up from the online Knowledge Base and learn more.

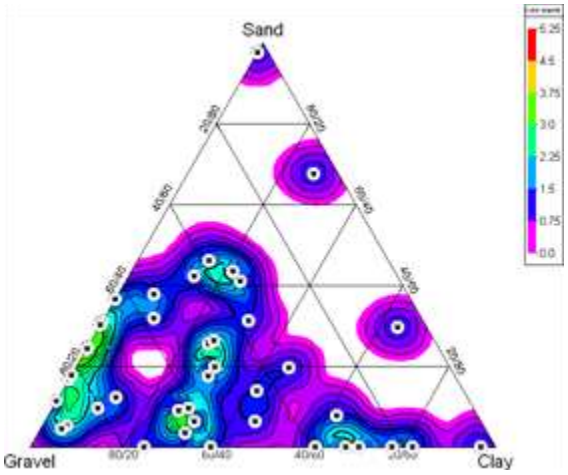
Removal: Programs previously listed under Utilities | Misc. | Obsolete Programs have been removed. Removing these deprecated programs reduces download size, memory use, and potential instability.

Improvement: In ModOps | Solid | Display, column selections have moved from the removed Data Columns tab to the Points submenu because only optional point plotting uses XYZ coordinates. The same change was made in ModOps | Solid | Display as IsoShells.

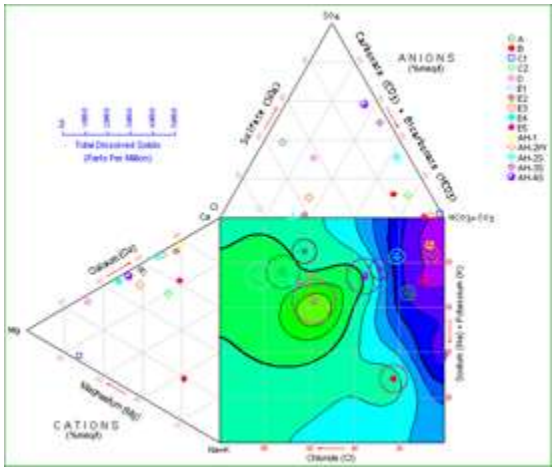


Improvement: For RockPlot3D, we've improved the import and export of DXF files using True Color (RGB) values.

Improvement: The sample density contouring within the ternary diagrams has been improved.



Improvement: Total dissolved solids (TDS) contouring in Durov diagrams has been improved.



Improvement: RockPlot2D can now import and export DXF files using True Color (RGB) values.

Fix: Shapefile imports now use the selected Include Elevations setting instead of the default value.

Fix: Resolved a placement bug in the RockPlot2D Google Earth export for Profiles/Sections, where increasing vertical exaggeration caused the exported panel to appear progressively higher above the ground. The export now adjusts the top of the graphic for VE while keeping the bottom anchored, so the specified offset remains consistent.

Improvement: RockWorks now uses the OXml library instead of NativeXml. This change affects RockPlot3D (rw3D), KMZ/KML files, Collada export, Utilities data (rwdat), IHS Depth Register XML files, downloadable files under Help | Download | Misc. Downloads, XML resource files, and import templates.

New: Expanding Contours in RockPlot3D now displays the Z value for each contour polyline. Individual contours can be shown or hidden, making them easier to identify and control.