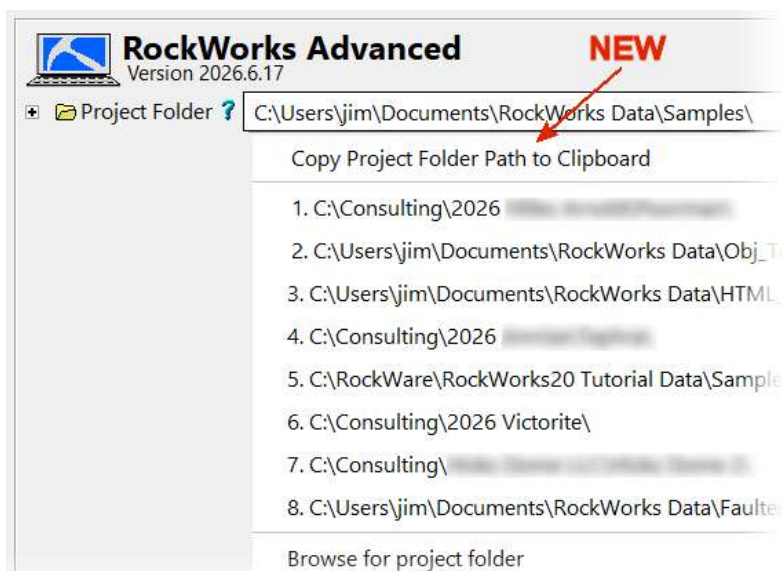


RockWorks Version 2026.8.19 Revisions List



<https://www.rockware.com/support/rockworks-support/rockworks-downloads/rockworks-product-updates/>

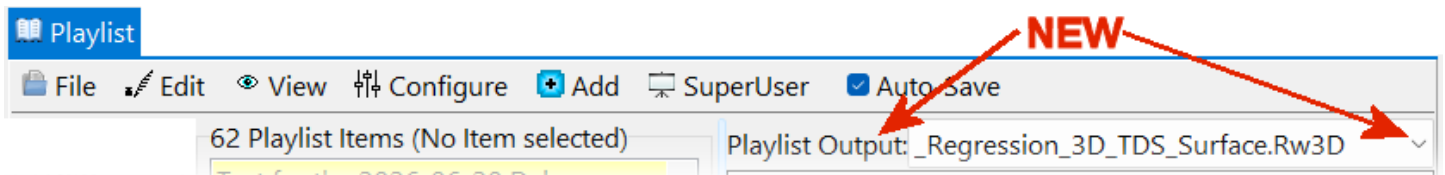
New: An option to copy the Project Folder Path to the Windows clipboard has been added to Project Folder pulldown menu.



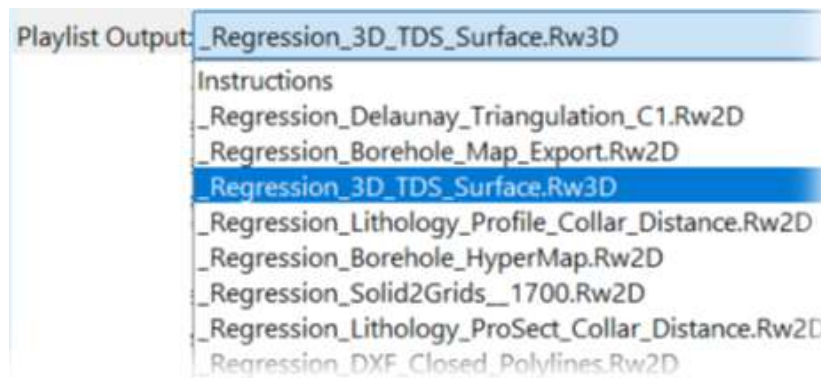
New: An option titled “**Compact View**” has been added to the Playlist | Configure pull-down menu.



If checked (the default), the top line of the Playlist Output panel will include a pulldown button to the right of the currently displayed output name.

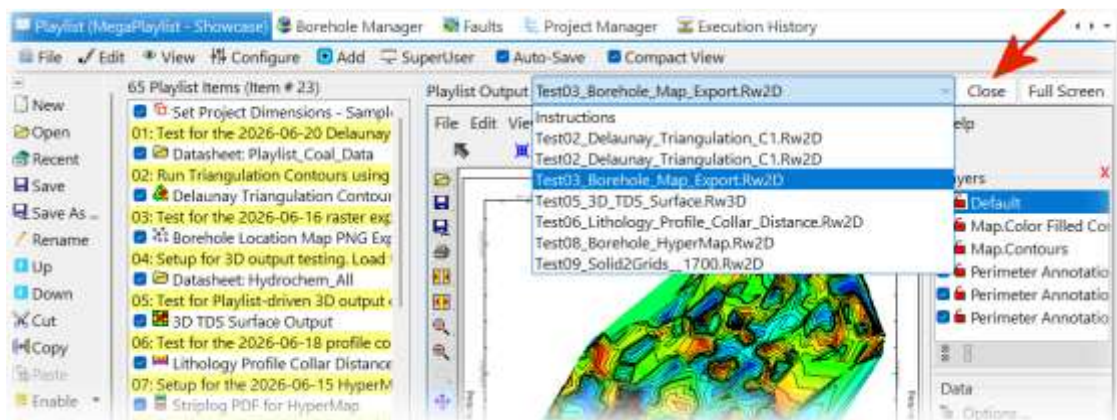


Clicking on this pulldown button will display a list of the output produced by the Playlist.

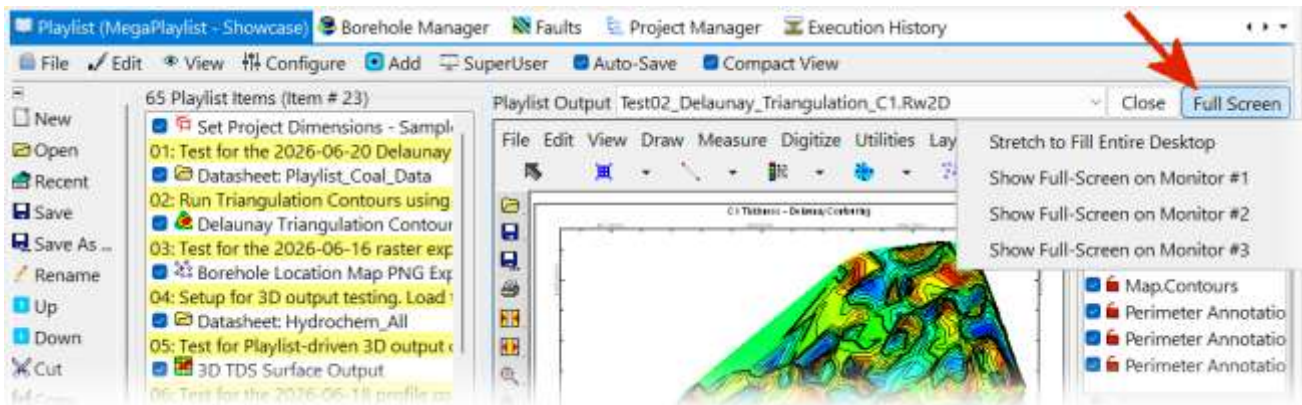


Clicking on an item within the Playlist Output pulldown will display the associated output.

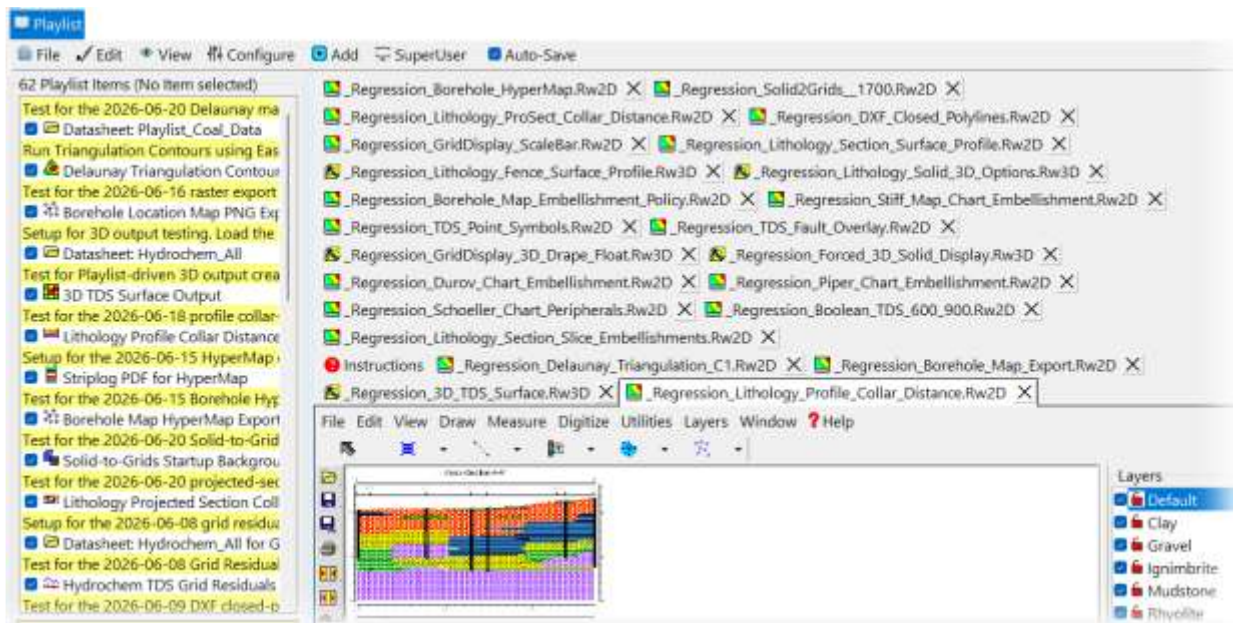
Clicking on the **Close** button adjacent to the Playlist Output pulldown will close the highlighted file and remove it from the list



Clicking on the **Full Screen** button will provide the user with options that define which monitor to display the diagram on. Note that if you have multiple screens, the **Stretch to Fill Entire Desktop** option will fill all the screens with a single diagram. If you only have a single monitor, the program will not show any sub-options and the diagram will be displayed as a separate dialog that fills the entire monitor.



If the “Use Compact Output Selector” option is unchecked, the output pages will be listed as tab captions. Consequently, the output from large playlists will crowd out the display of selected items. The ability to disable the Compact Output Selector has been retained to accommodate legacy users who use shorter playlists.

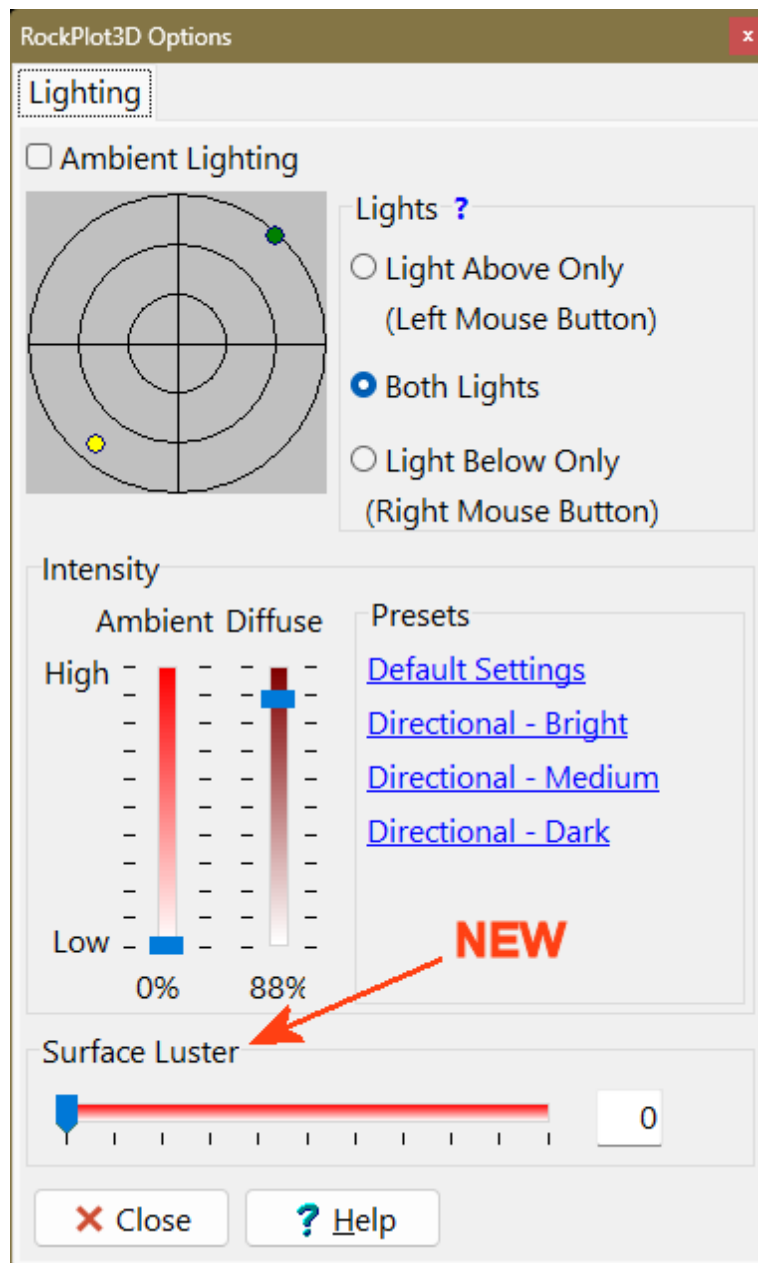


Fix: The **3D Legend** placement logic has been adjusted such that each specialized legend now checks its own include/exclude setting before being added. This prevents disabled legends, such as Aquifer or Stratigraphy, from appearing just because the overall 3D Legend option is enabled.

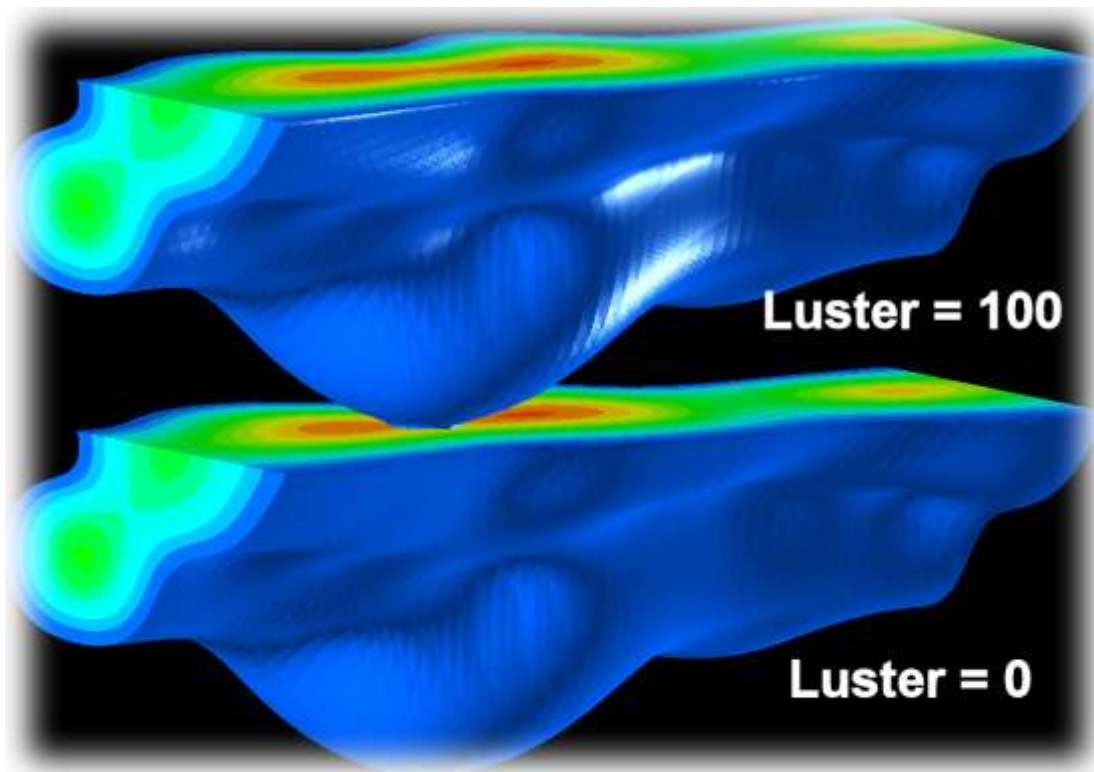
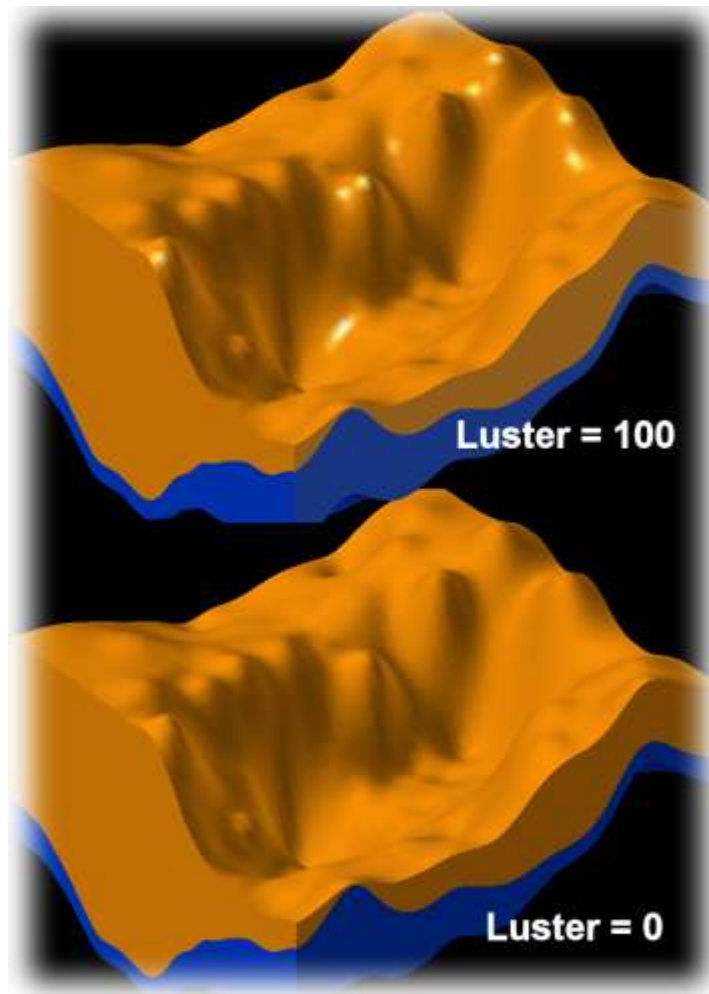
Fix: RockWorks now correctly saves the translated old settings back to the project file.

Improvement: The RockPlot3D rotation controls now match the coordinate directions users expect in RockWorks: X rotates east/west, Y rotates north/south, and Z rotates up/down. This makes model rotation more intuitive when viewing 3D geology diagrams.

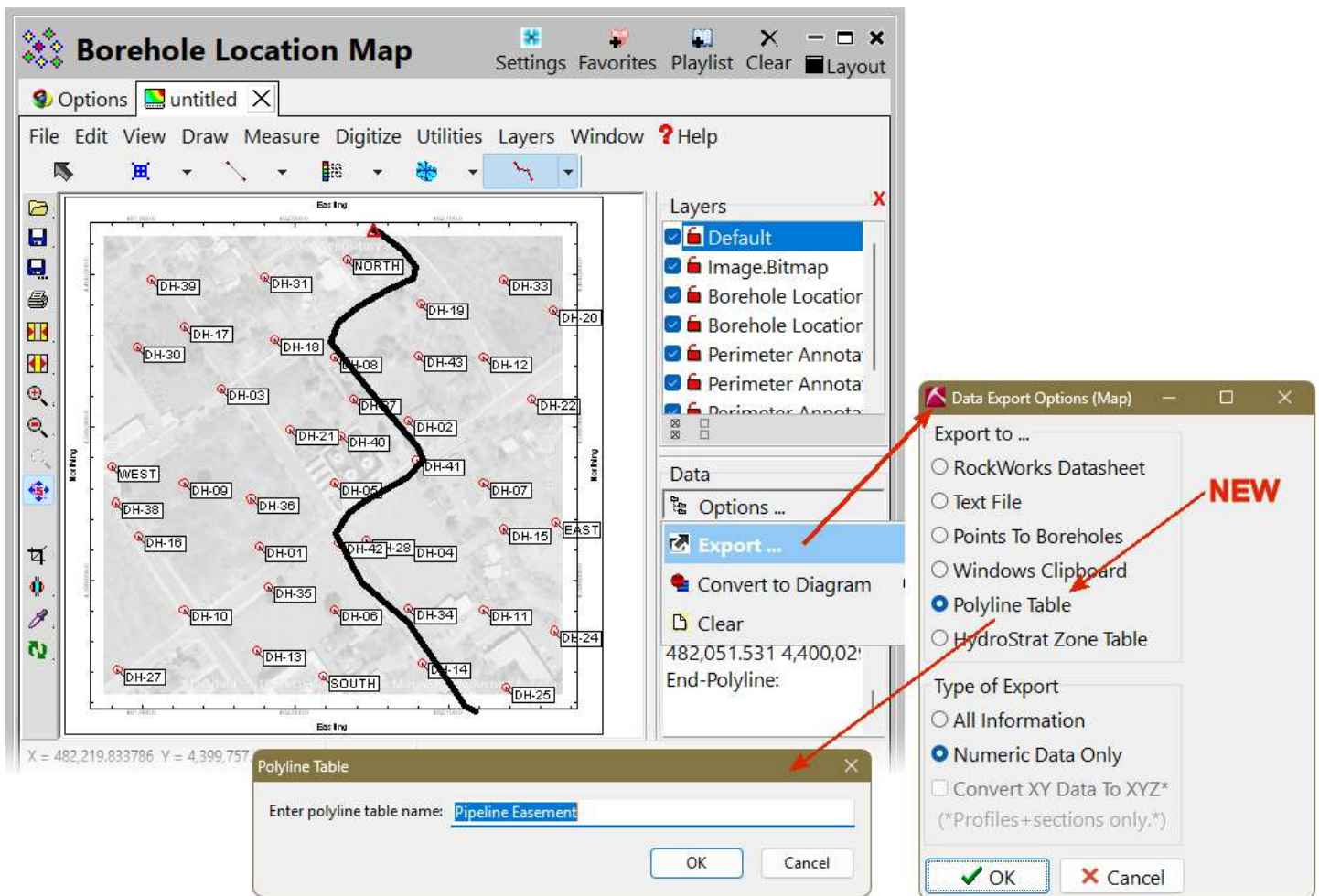
New: An option titled “**Surface Luster**” has been added to the RockPlot3D | Lighting dialog.



The Surface Luster option can be used to add shininess to grids and isosurfaces.

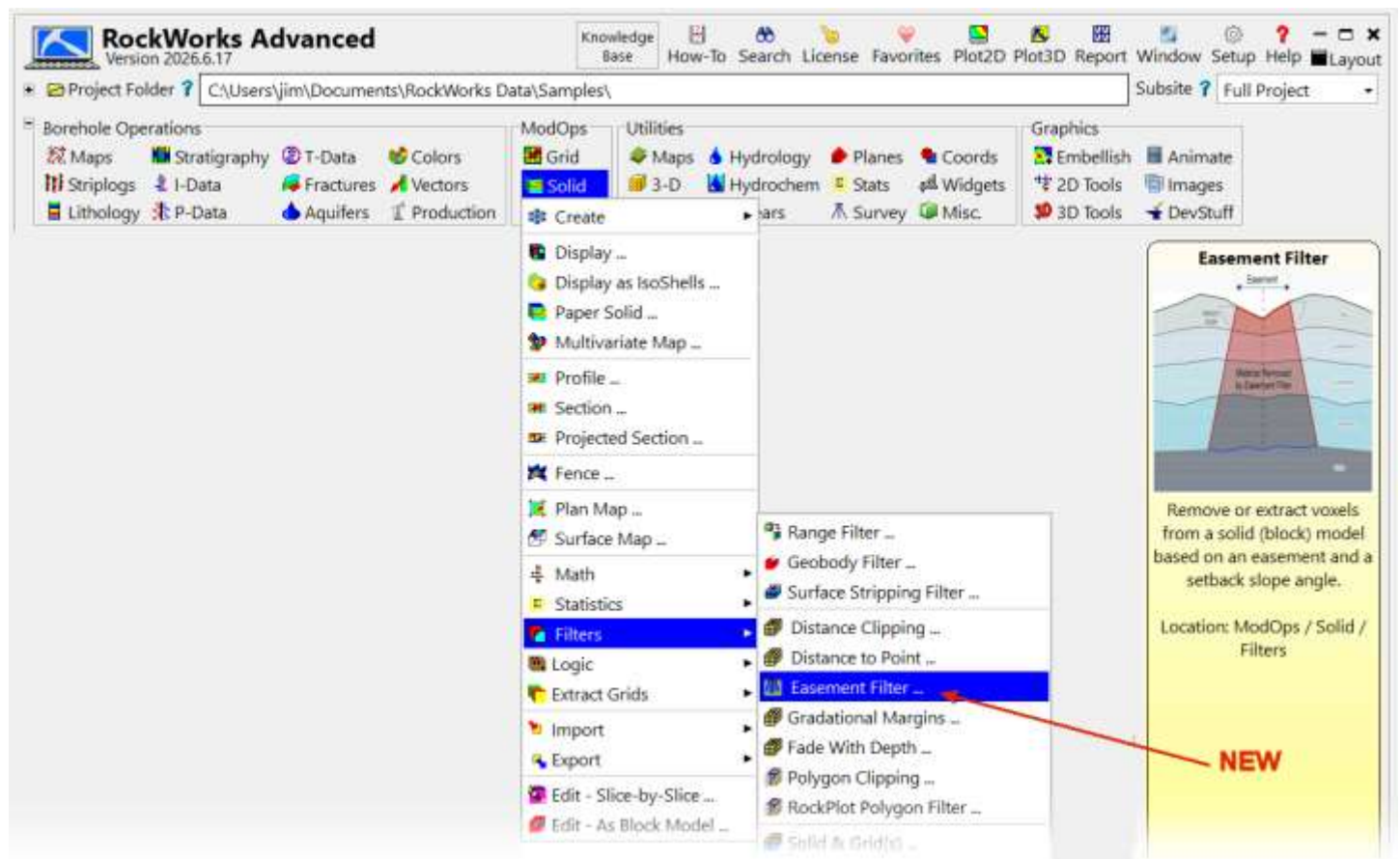


New: The RockPlot2D | Data | Options | Export menu now includes an option titled, “Polyline Table”.

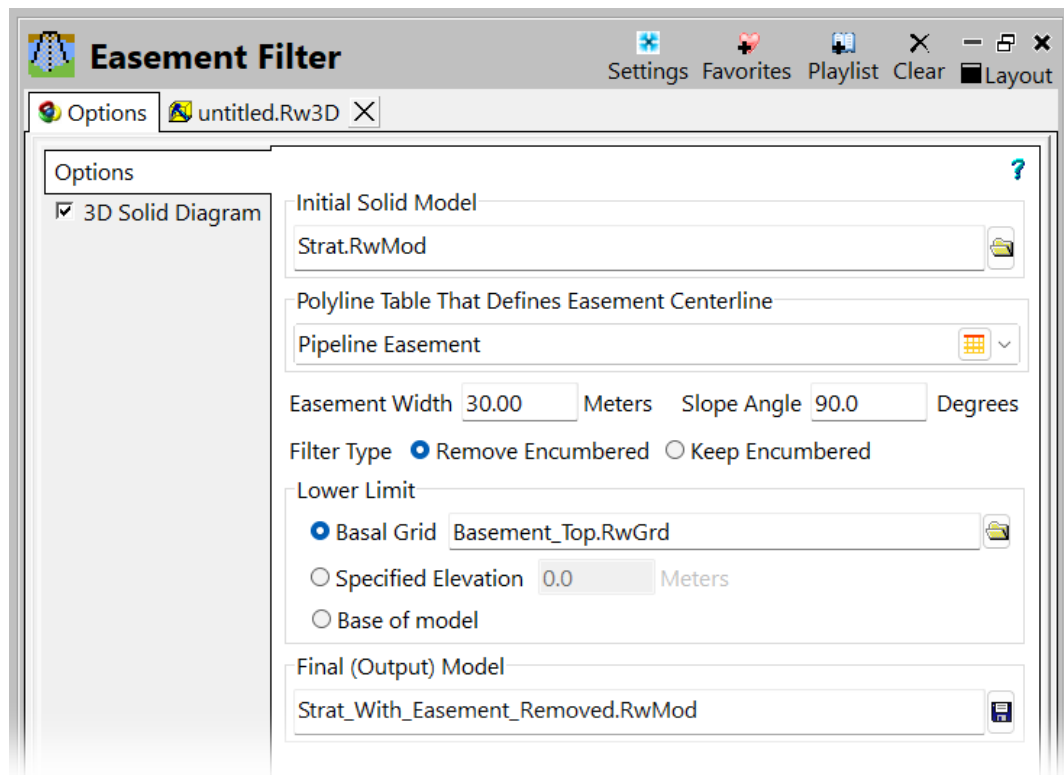


This new program will convert the points within the Data window into a polyline table within the project database.

New: A program titled “**Easement Filter**” has been added to the ModOps | Solid | Filters menu group.

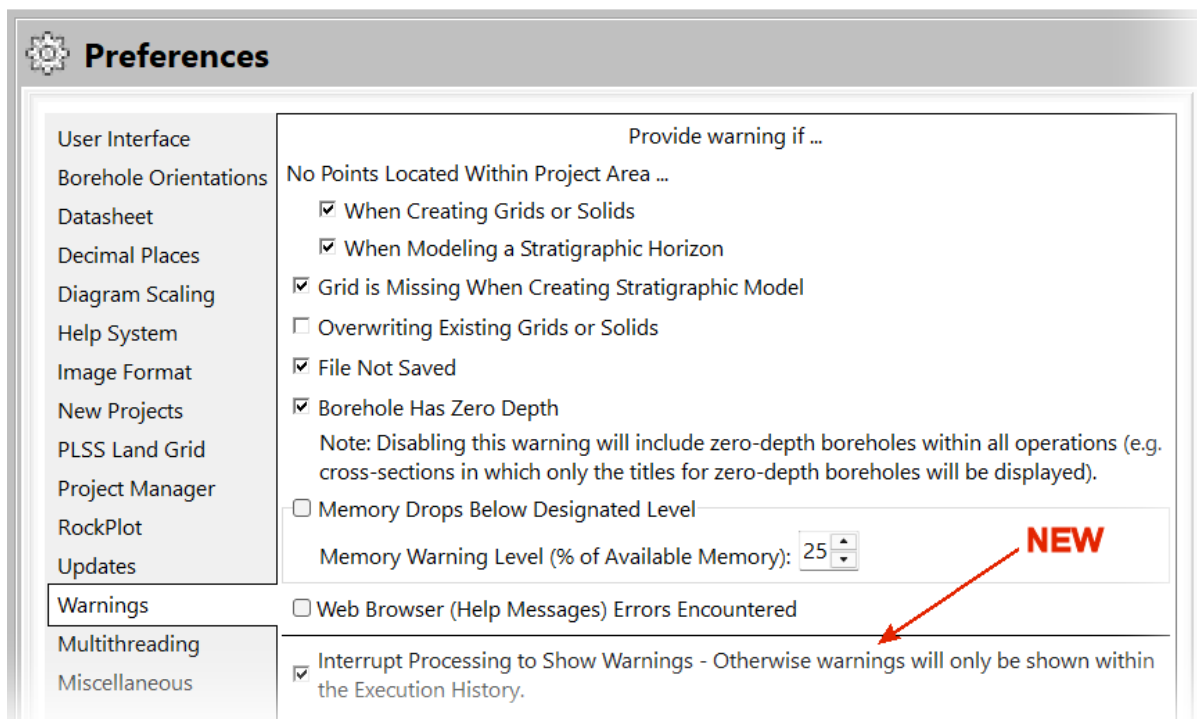


This program removes or isolates portions of a solid model that fall within an easement-restricted zone, such as a powerline corridor, pipeline right-of-way, road setback, or other surface constraint.

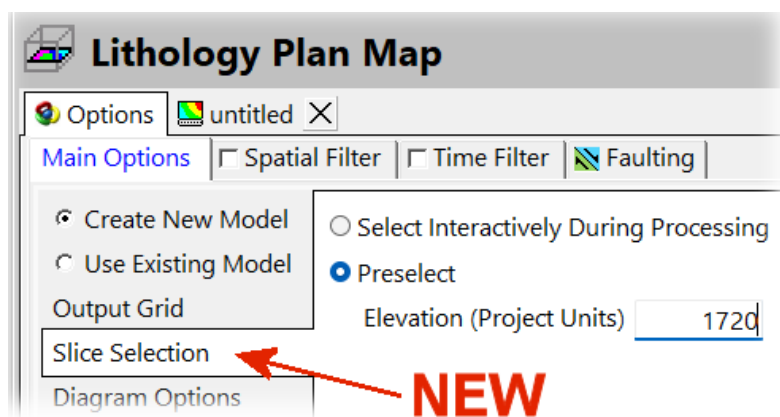


The program uses a polyline table to define the easement centerline, a specified easement width, and a setback slope angle to project the restricted zone downward into the model. Voxels inside that zone can either be removed from the output model or retained while everything outside the easement zone is removed. This makes it useful for estimating material affected by legal or operational access restrictions, or for creating a filtered model that excludes encumbered reserves.

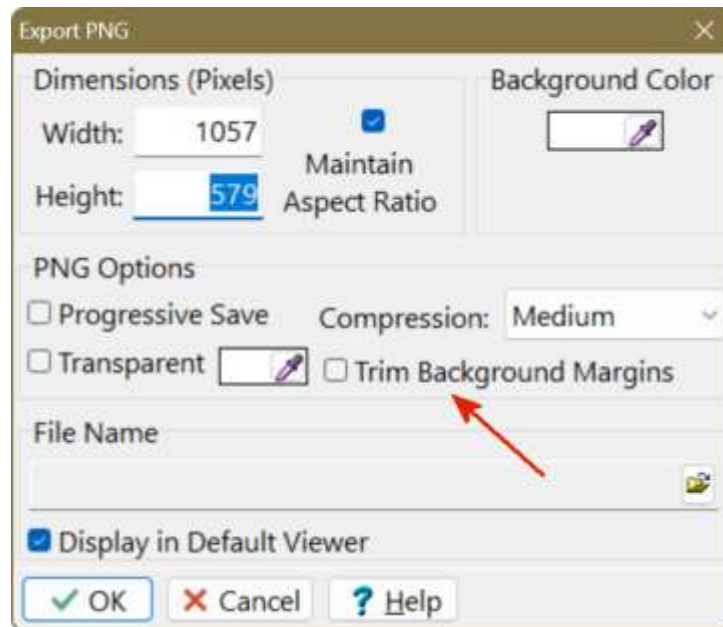
New: An option has been added to the **Setup / Preferences / Warning** page that allows the user to determine if warnings will interrupt the data processing or only be listed within the Execution History list.



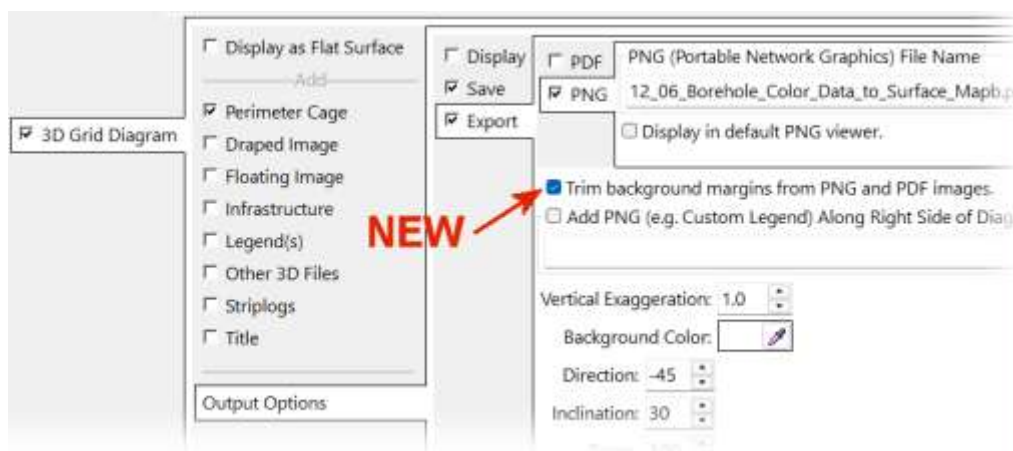
New: The **Lithology Plan Map** application now includes an option whereby the elevation of the horizontal plan can be preselected to avoid an interruption when using the application within a playlist.



New: The RockPlot3D / File / Export / **PNG** menu and now includes an option to **trim the background margins**.

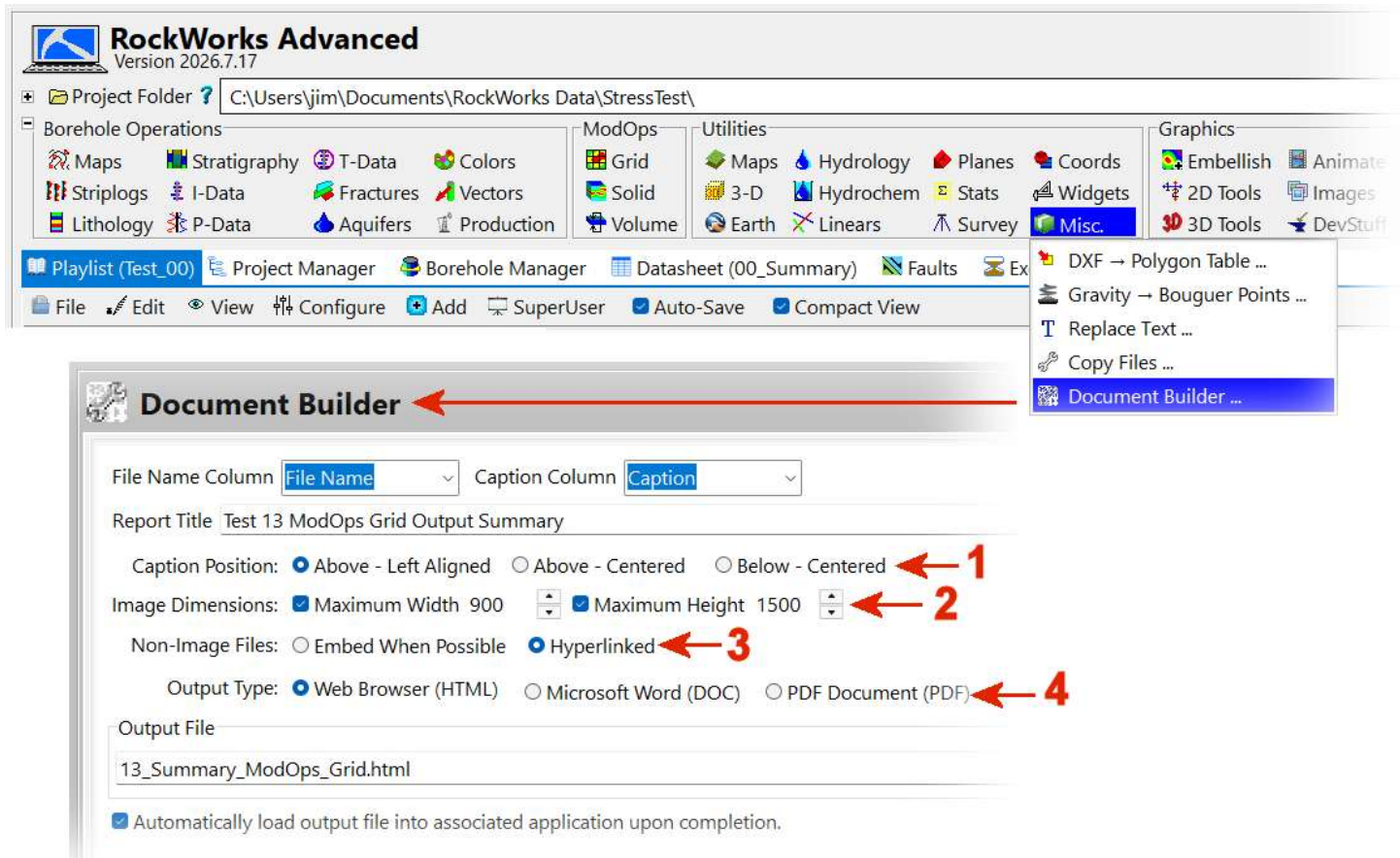


New: Programs that generate **3D** output now include an option to **trim the image margins** when creating the PDF or PNG files.

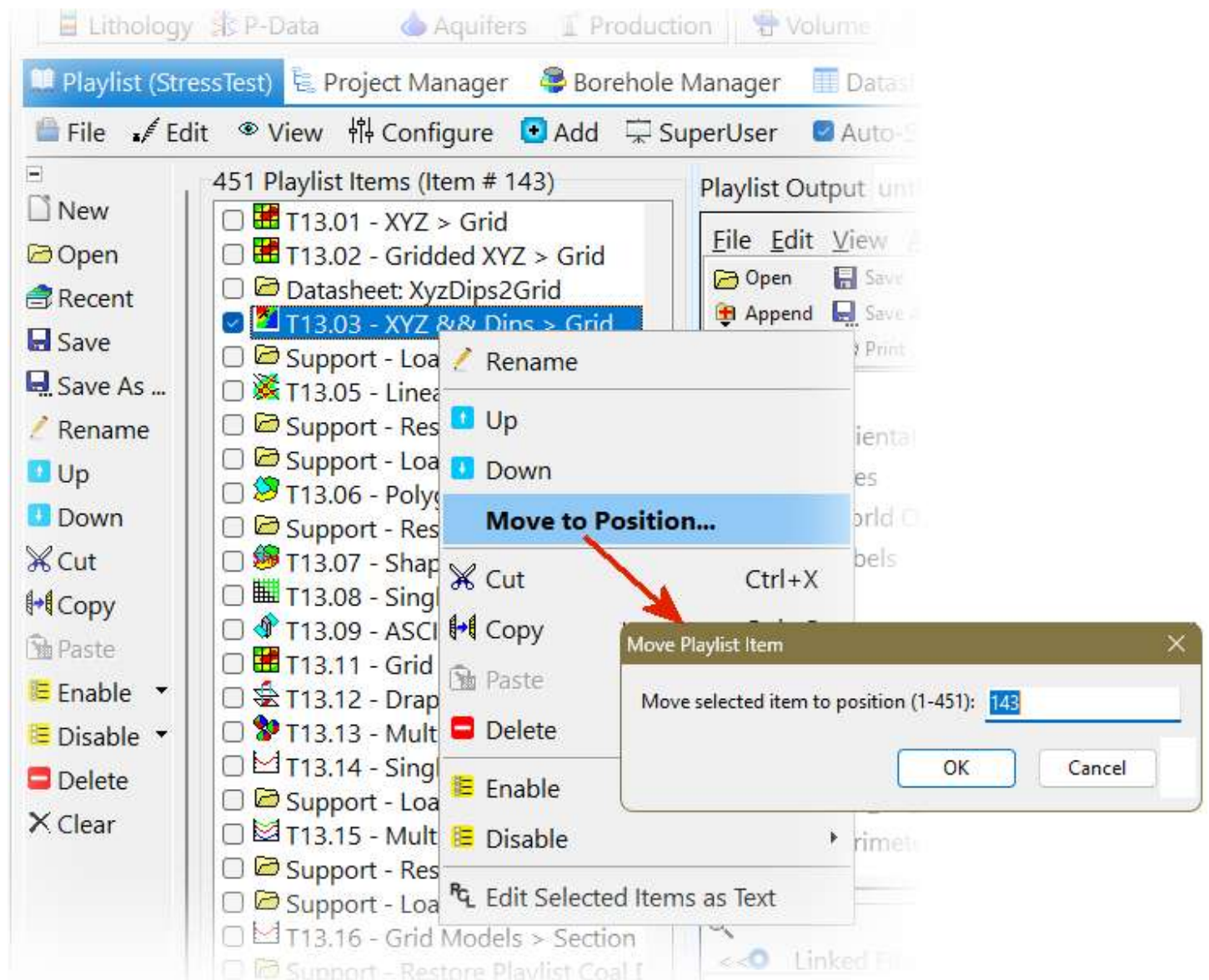


New: The HTML Builder has been renamed as the “**Document Builder**”. In the process, the program has been enhanced as follows;

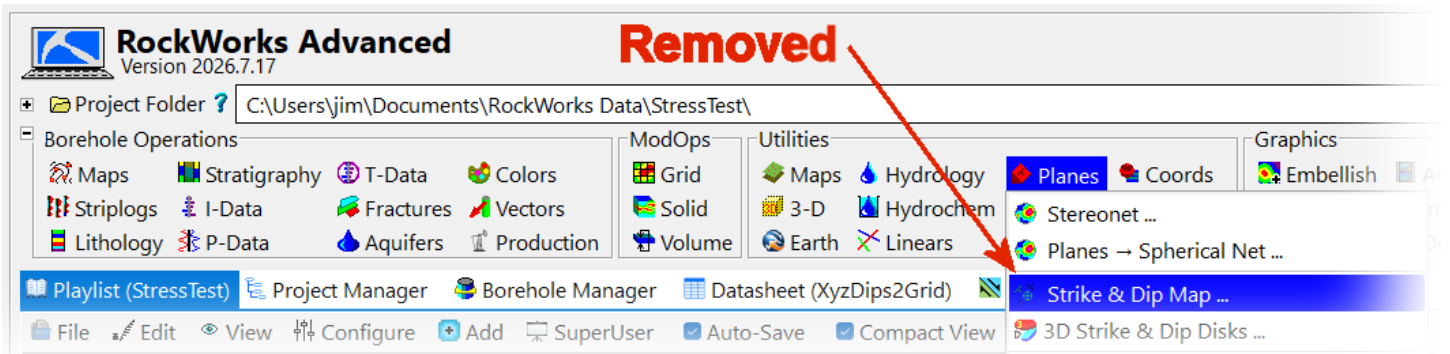
1. Options have been added to position the caption relative to the image.
2. The images can now be rescaled to a maximum width and/or height.
3. Non-image files may either be embedded within the output file or hyperlinked.
4. The output options now include PDF in addition to the previous DOCX (Word) and HTML (web).



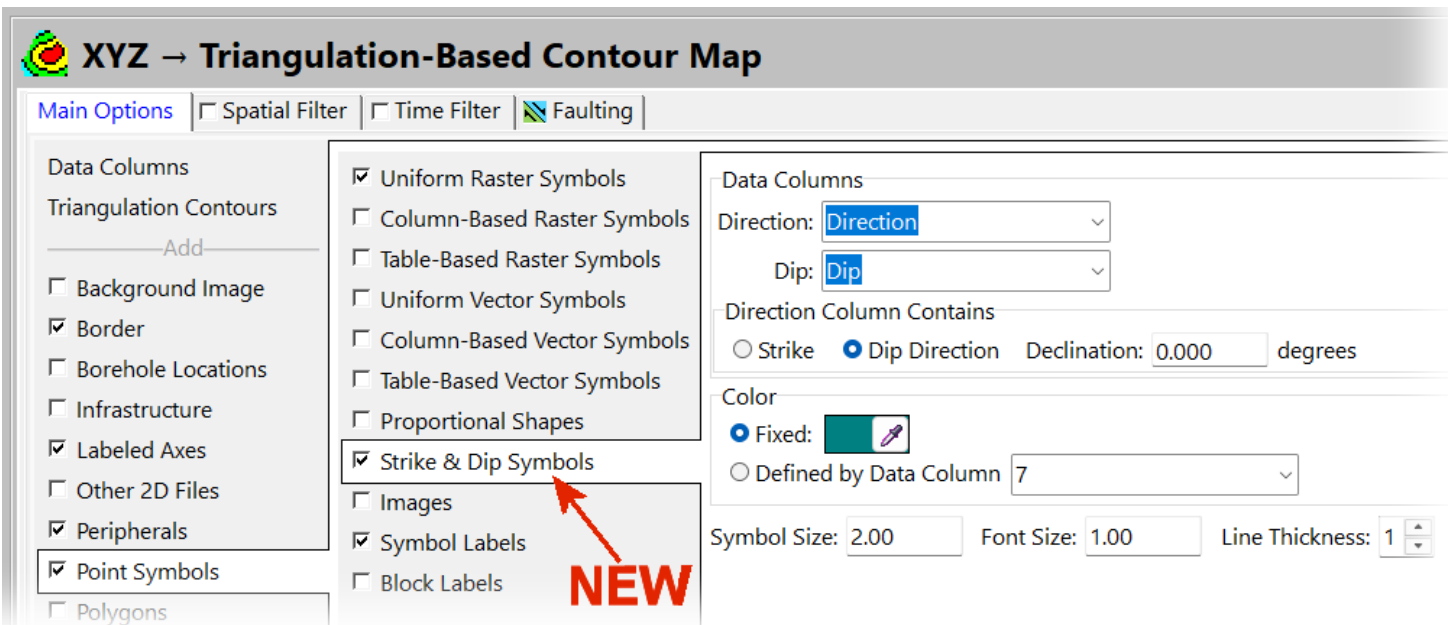
New: An option titled “**Move to Position**” has been added to the popup menu that appears when a Playlist item has been right-clicked. This utility can be used to move an item to a specific position within the current Playlist. This can be especially handy when working with large lists of commands in lieu of the Move-Up and Move-Down tools.



Improvement: The **Strike & Dip Map** application has been removed from the **Utilities / Planes** group.



Instead, all programs that include a **Point Symbols** option now include a **Strike & Dip Symbols** option. This eliminates the extra steps involved in combining a strike and dip map with another map. If the only intent is to create a strike and dip symbol map, use the **Utilities | Maps | Point Symbols** program.



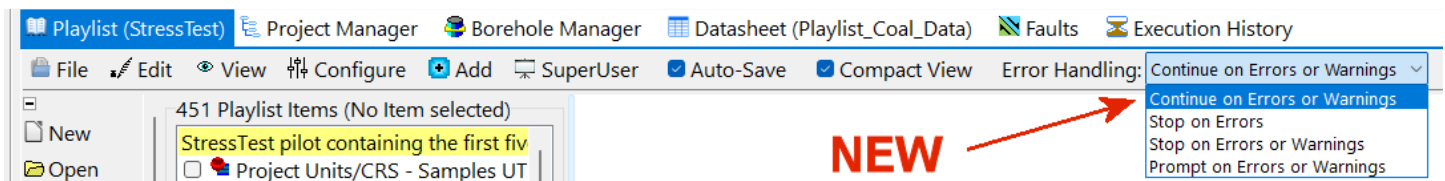
Improvement: When the Playlist "Cancel" button is clicked, the button changes to a red color that states "Cancelling ...". This lets the user know that the process.

Fix: The **color-selection eyedropper** that is used within many menus now correctly freezes and displays the entire desktop when using multiple monitors, including monitors with different display-scaling settings. Colors can now be selected from any screen without clicks passing through to other applications.

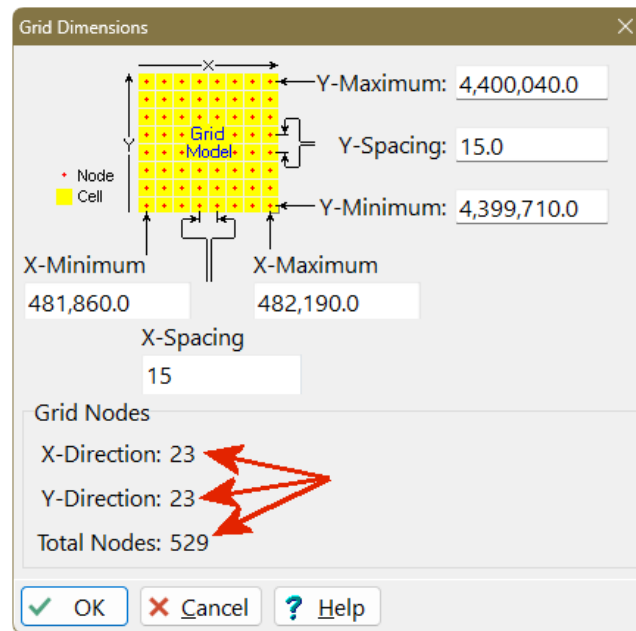


New: When running the Playlist, the title for the item that is currently being processed is displayed within the Windows **taskbar**. This provides a way to see what's happening if the program menu is not visible.

New: Added **Playlist Error Handling** options to continue, stop, or prompt when errors and warnings occur. The selected behavior is saved between sessions, while all problems remain recorded in **Execution History**.



Improvement: The dialog box that is used to examine/modify grid dimensions now auto-adjusts the node count at the base of the dialog.

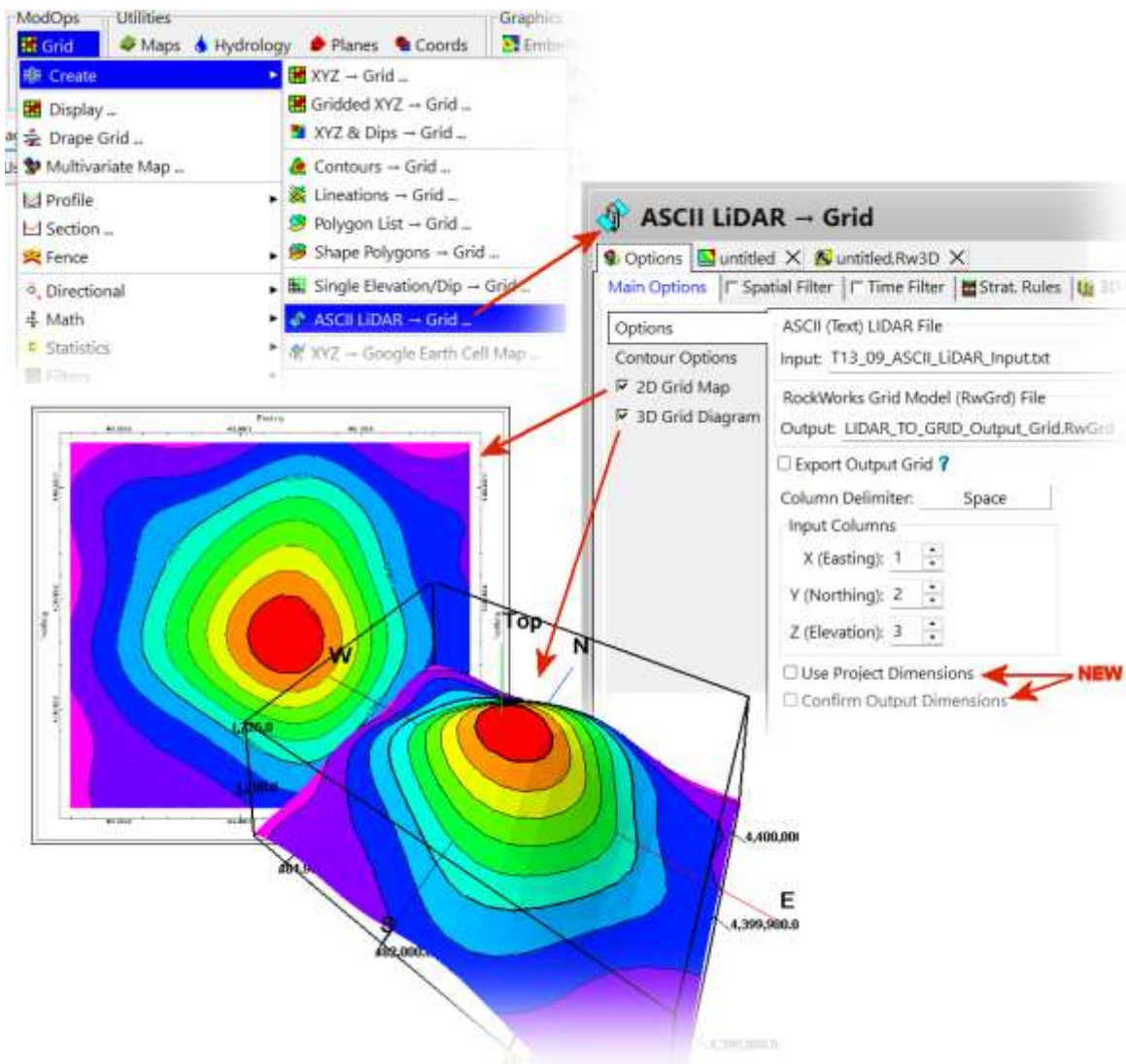


This menu is used by a variety of programs including;

- LiDAR-to-Grid confirmation.
- General gridding.
- Grid Mosaic.
- Grid Statistics.
- Lineation gridding.
- Drawdown grid dimensioning.
- Grid Editor dimension changes.
- Several Engine2 grid-building workflows.
- Grid Reprojection.

Improvement: The **ASCII LiDAR -> Grid** program has been redesigned and improved.

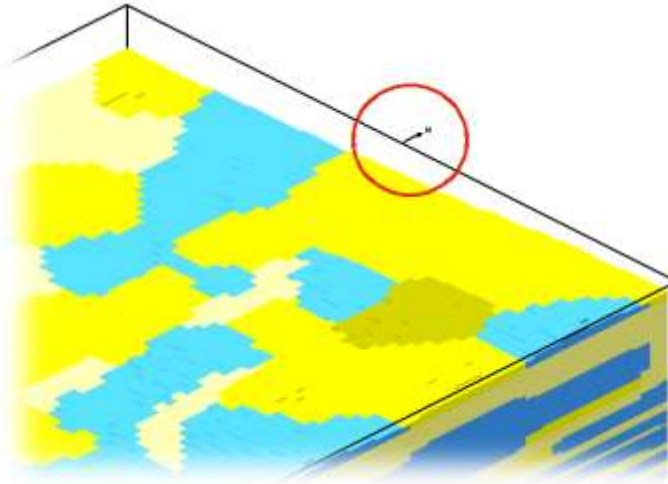
- Corrected the menu spelling from “LIDAR” to “LiDAR.”
- Combined the Input/Output and Input Columns pages into one **Options** page.
- Added a **Use Project Dimensions** option: If checked the program uses the current project dimensions. If unchecked, the program calculates grid dimensions automatically from the LiDAR data.
- Removed the confusing Default X Nodes and Default Y Nodes settings.
- Added **Confirm Output Dimensions**, allowing the dimensions-review window to be shown or skipped.
- Added automatic square-cell sizing based on the LiDAR point density.
- Updated the Grid Dimensions dialog so X, Y, and total node counts refresh immediately when dimensions are edited.



Improvement: The following changes have been made to the ModOps | Solid | **Paper Solid** program;

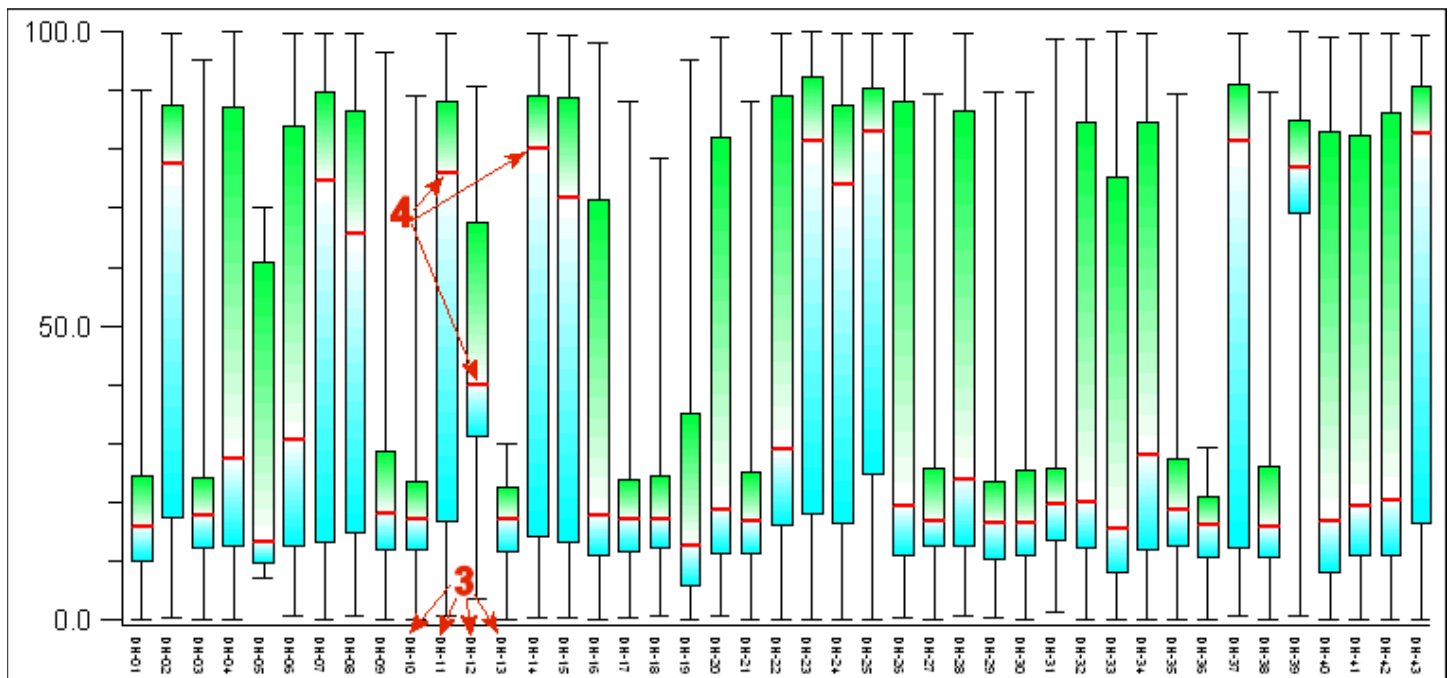
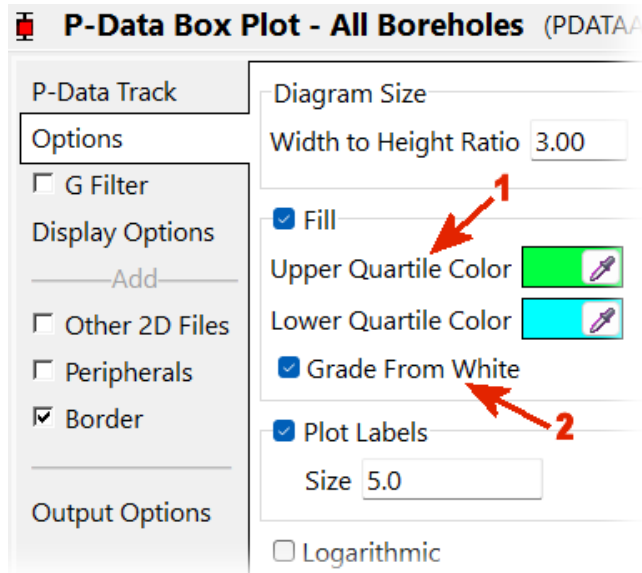
- Removed the confusing “2D Grid Map” option. The program creates a PNG image directly, so that option was unnecessary.
- A “Display Output Image” option has been added to automatically display the output within the computer’s default image program.

Fix: The **3D Cage | Small North Arrow** is now plotted at the maximum cage elevation.



New: The following changes have been made to programs that generate **Box-Plot** diagrams.

1. Different colors may now be assigned to the upper and lower quartile boxes.
2. The color-fills may now be configured to grade from white.
3. The item titles are now displayed vertically and automatically dimensioned to correspond with the width of the boxes.
4. The median divider lines are now thick and red.



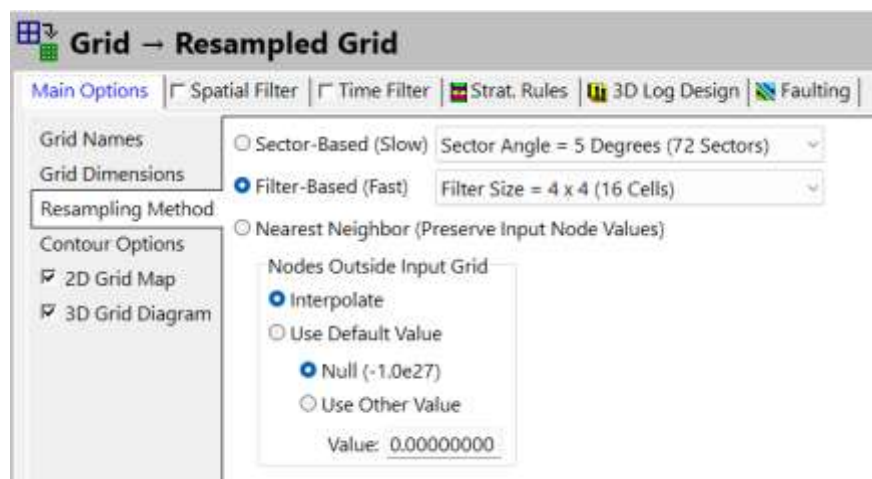
Fix: The **OBJ Color Legend** exports now match RockPlot3D by using the correct displayed range values, aligning labels with their color boundaries, and positioning the legend title above the color bar. Categorical legend labels remain centered on their corresponding entries.

Fix: When the **Tilted Solid Modeling** is now used in conjunction with **Vertical Search Cutoff**, the cutoff distances now use the original project elevations. This prevents valid voxels above the borehole bases from being incorrectly assigned to null values.

Improvement: 2D map and 3D diagram output options have been added to all **Fault-Import** commands.

New: A RockPlot2D utility has been added to copy all visible stratigraphic units in every section panel at one time.

New: An option titled “**Nearest Neighbor**” has been added to the **Grid | Math | Resample** program. This option will copy the closest input node value directly, including null nodes.



Features;

- preserves existing sector/filter settings,
 - playlist-compatible,
 - honors the existing outside-grid default/interpolation options, and
 - aligned crops retain original values without smoothing.
-

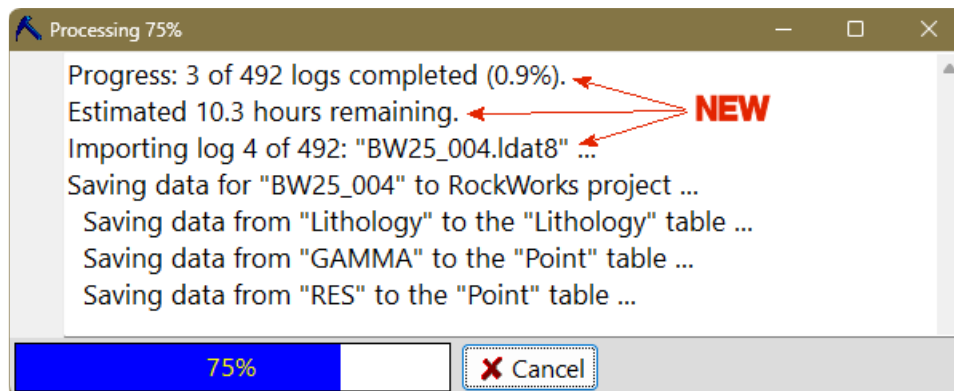
New: Added GeoTIFF to the **Grid | Export** export program. This export preserves grid values, spatial extents, cell spacing, NoData values, and coordinate-system information for use in GIS applications such as ArcGIS Pro.

Improvement: Corrected the native **GeoTIFF Importer** to reproject raster elevations into the project coordinate system and accurately calculate projected raster extents.

Fix: The native **GeoTIFF** reprojection correctly calculates the extent and grid node allocation to match the project extents and spacing.

Improvement: The following changes have been made to the **Borehole Manager | File | Import | LogPlot** program:

- The program is considerably faster, albeit still slow at processing logs that contain massive amounts of p-data.
- The program no longer reports an error when processing Point Data that contains blank or non-numeric values. Instead, it simply skips those points.
- The program now displays more progress information about including an estimate of the remaining time. Please note that this number may actually increase as larger files are encountered.



Cosmetic: The “Set CRS” button within the Borehole Data | Location | **Other Coordinate Projections** tab menu has been retitled to “**Set Coordinate Reference System**”.

The screenshot displays the RockWorks software interface. On the left is a vertical sidebar with a list of menu items: Borehole Data, Location, Orientation, Lithology, Stratigraphy, Hydro Strat, I-Data, I-Text, T-Data, P-Data, P-Text, Colors, Fractures, Water Levels, Symbols, Patterns, Bitmaps, Vectors, and Construction. The 'Borehole Data' menu is currently selected. The main window has a tabbed interface with 'QuickMap' and 'Other Coordinate Projections' visible. The 'Other Coordinate Projections' tab is active, showing fields for 'Borehole Name*' (containing 'BW25_001'), 'Symbol', and 'Raster'. Below these are tabs for 'Collar Coordinates', 'Comments', and 'Other Coordinate Projections'. The 'Other Coordinate Projections' sub-tab is active, showing a 'Lon/Lat' section with a dropdown set to 'Longitude / Latitude (WGS-84)' and a 'Decimal Degrees' dropdown. Below these are input fields for 'Longitude:' (containing '-106.169049') and 'Latitude:' (containing '43.630186'). At the bottom of this section are two buttons: 'To Easting/Northing' and 'From Easting/Northing'. A red arrow points to a button labeled 'Set Coordinate Reference System' located at the bottom of the 'Other Coordinate Projections' tab.

New: When using the **Playlist** within the Advanced version of RockWorks, the list can now call another Playlist as part of a larger workflow. This allows large automated jobs to be divided into smaller reusable components.

- Processing returns to the parent Playlist after the called Playlist finishes.
- The parent’s enabled items, selection, and generated output are preserved.
- Direct and indirect recursive calls are detected and rejected.
- The original Playlist is restored if a called Playlist stops or encounters an exception.
- Execution History identifies entry into and return from a called Playlist.
- The shared Call command can select either a Playlist or a Command Script.
- Called Playlists that load fewer items than expected are identified for diagnostic purposes.

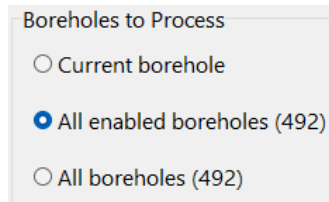
New: The “To Easting/Northing” and “From Easting/Northing” buttons within the Borehole Data | Location | Other Coordinate Projections tabs have been replaced with a single “**Convert Borehole Coordinates**” button.

The screenshot shows the 'Borehole Data' window with the 'QuickMap' tab selected. The 'Location' section contains the 'Borehole Name*' field with the value 'BW25_001'. The 'Other Coordinate Projections' tab is active, showing the 'Collar Coordinates' section. The 'Longitude / Latitude (WGS-84)' dropdown is set to 'Decimal Degrees'. The 'Longitude' field displays -106.169049 and the 'Latitude' field displays 43.630186. A red arrow points to the 'Convert Borehole Coordinates...' button, which is located below the 'To Easting/Northing' and 'From Easting/Northing' buttons, which are crossed out with a red line.

Clicking the **Convert Borehole Coordinates** button within any of the Other Coordinate Projection tabs will display a menu with options to replace the **Collar Coordinates** by converting the “other coordinates” to the current **Project Coordinates**.

The screenshot shows the 'Convert Borehole Coordinates (Lon/Lat)' dialog box. The 'Type of Conversion' dropdown is set to 'Other Coordinate Projections Lon/Lat -> Collar Coordinates'. The 'Boreholes to Process' section has three options: 'Current borehole', 'All enabled boreholes (492)' (selected), and 'All boreholes (492)'. The dialog includes a note 'Uses settings defined by Set Coordinate Reference System.' and 'Convert' and 'Cancel' buttons.

Unlike previous versions of the program, this new tool can be used to change all the collar locations within the database rather than just the currently highlighted borehole.



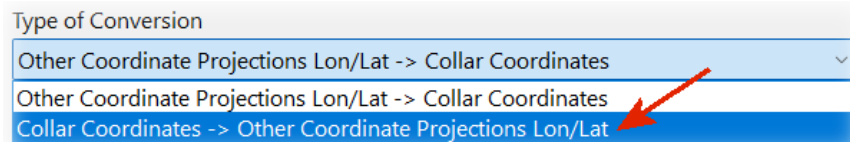
Boreholes to Process

☐ Current borehole

☒ All enabled boreholes (492)

☐ All boreholes (492)

The Type of Conversion pulldown list also includes an option to perform the opposite conversion: converting collar coordinates to overwrite the specified “Other Coordinates”.



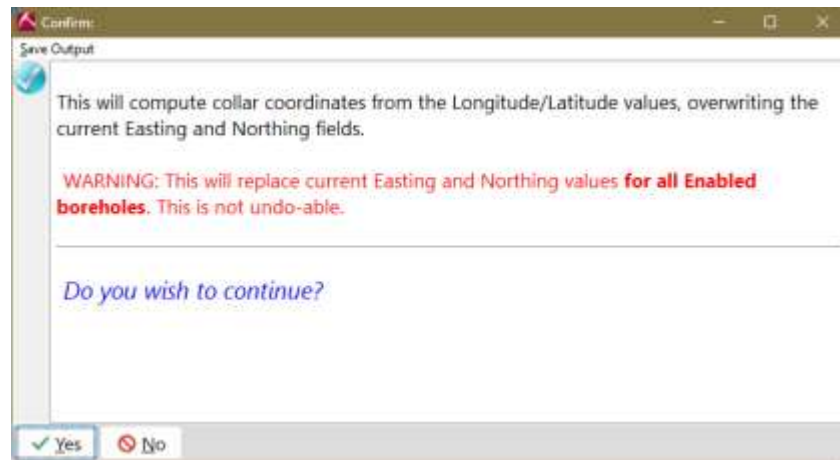
Type of Conversion

Other Coordinate Projections Lon/Lat -> Collar Coordinates

Other Coordinate Projections Lon/Lat -> Collar Coordinates

Collar Coordinates -> Other Coordinate Projections Lon/Lat

Once the Convert button has been clicked, a warning message will appear.



Confirm

Save Output

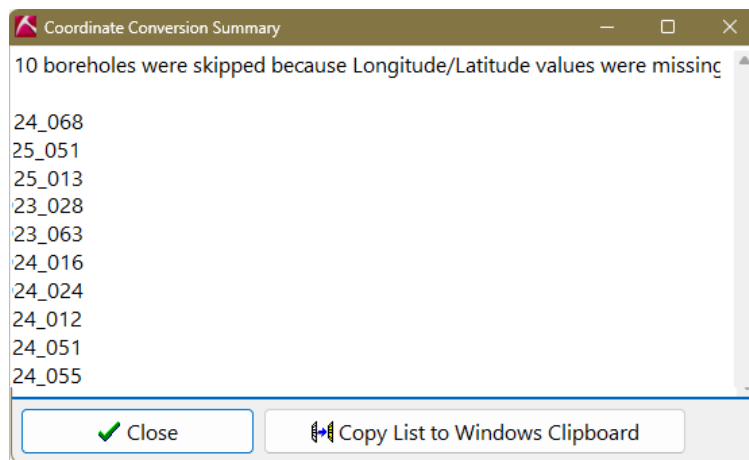
This will compute collar coordinates from the Longitude/Latitude values, overwriting the current Easting and Northing fields.

WARNING: This will replace current Easting and Northing values for all Enabled boreholes. This is not undo-able.

Do you wish to continue?

Yes No

Upon completion, this tool will list any problems that were encountered during the conversion.



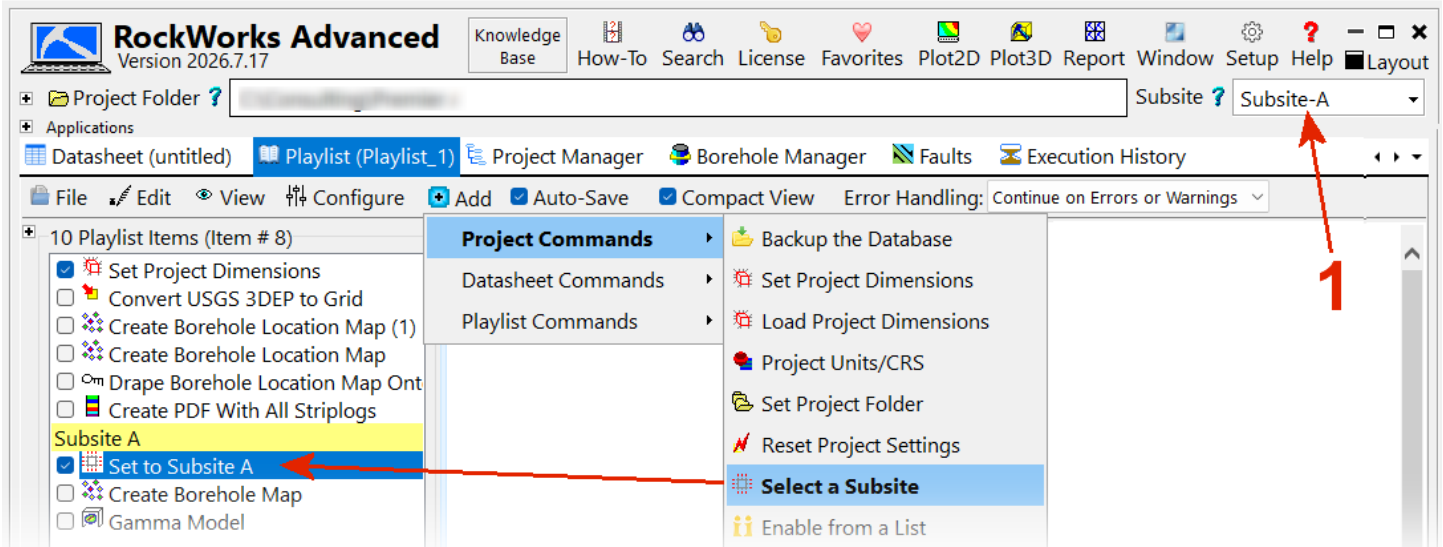
Coordinate Conversion Summary

10 boreholes were skipped because Longitude/Latitude values were missing

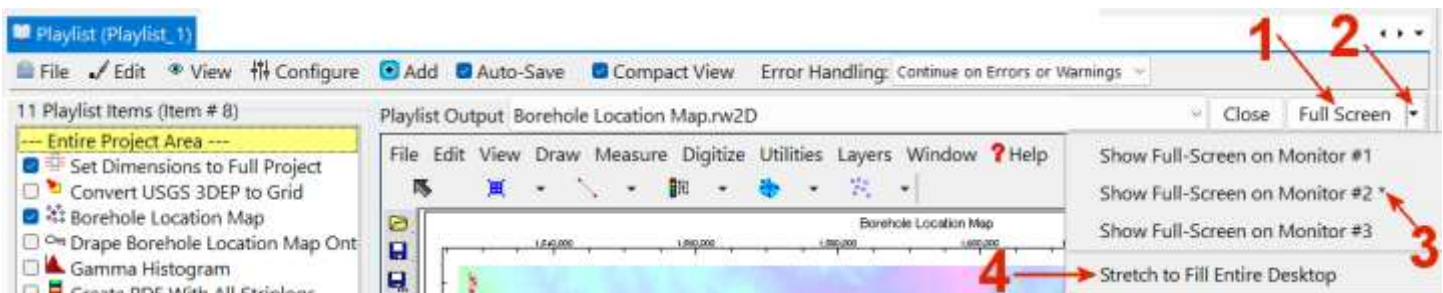
24_068
25_051
25_013
23_028
23_063
24_016
24_024
24_012
24_051
24_055

Close Copy List to Windows Clipboard

Cosmetic: The **Subsite** (as indicated by the “1” within the screenshot below) will now change when a Subsite command is encountered within a Playlist.

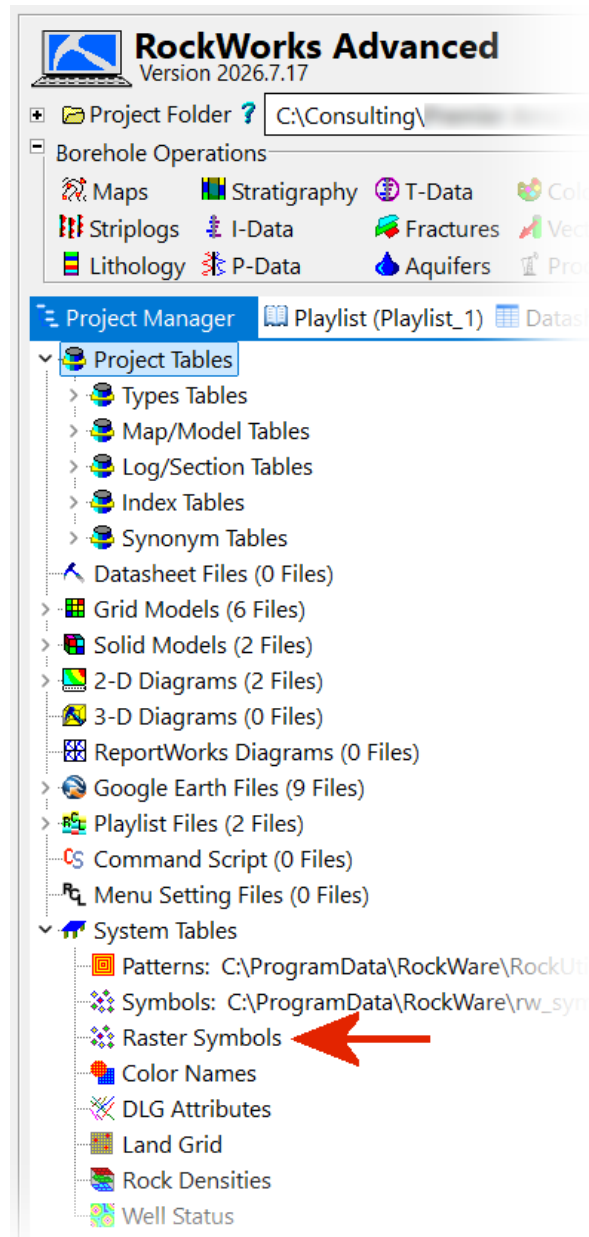


Cosmetic: The Playlist’s **Full Screen** button has been improved:

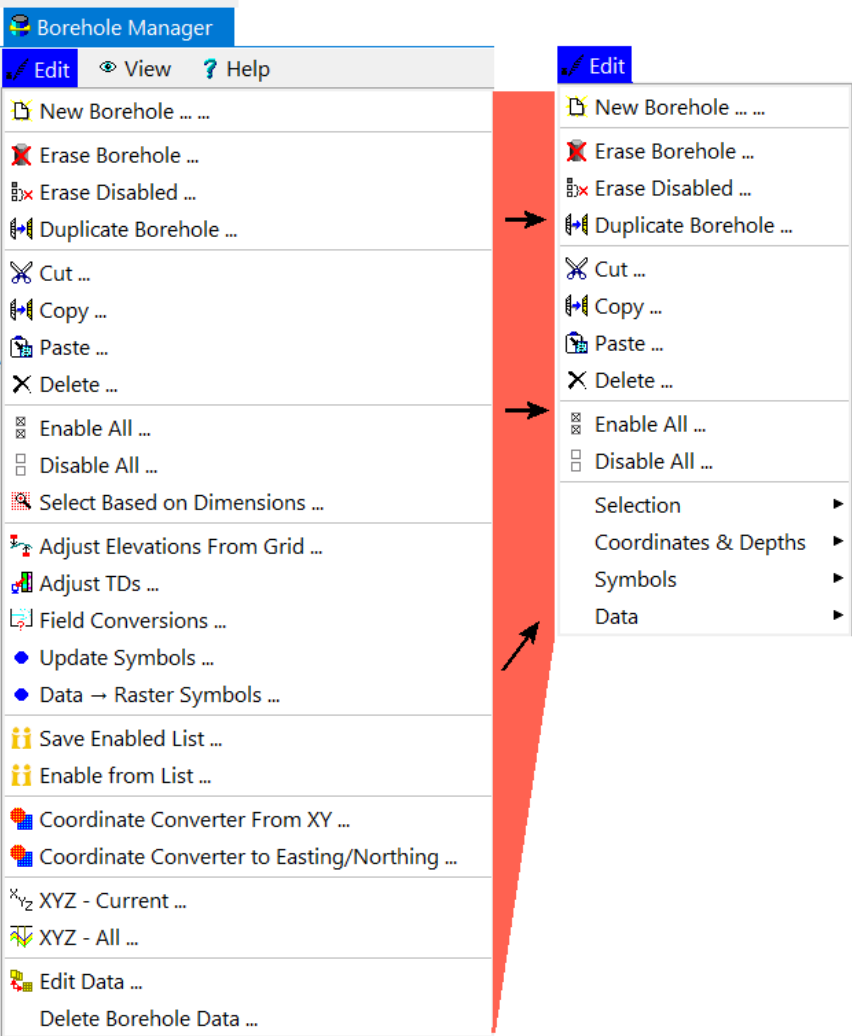


- Click **Full Screen** (1) to enlarge the current output on the same monitor as RockWorks.
- If you have multiple monitors, click the small arrow (2) beside the button to choose a different monitor.
- An asterisk (3) identifies the monitor currently displaying RockWorks.
- Choose **Stretch to Fill Entire Desktop** (4) to spread the output across the complete Windows desktop.
- On single-monitor computers, the unnecessary arrow (2) is hidden.

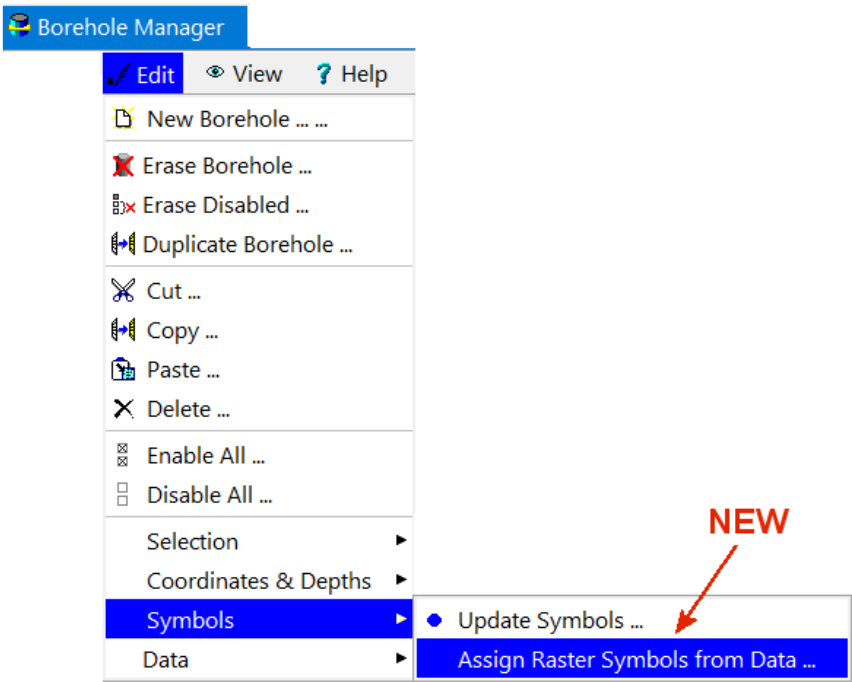
New: The **Raster Symbols** table may now be accessed from within the Project Manager | **System Tables** group.



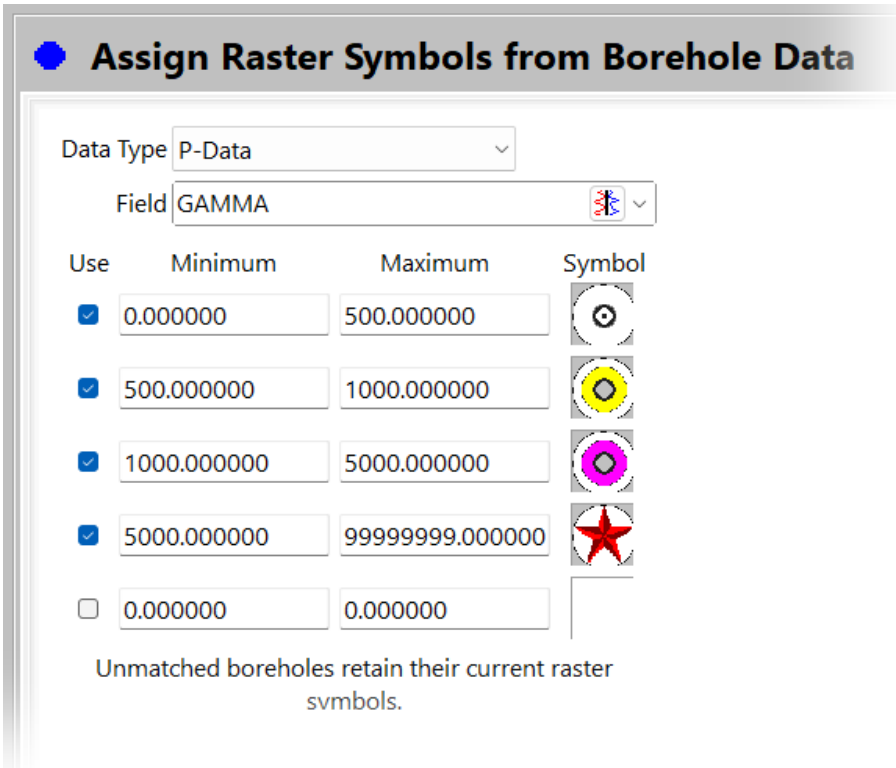
Cosmetic: The Borehole Manager | Edit menu has been condensed by moving some of options into new sub-categories.



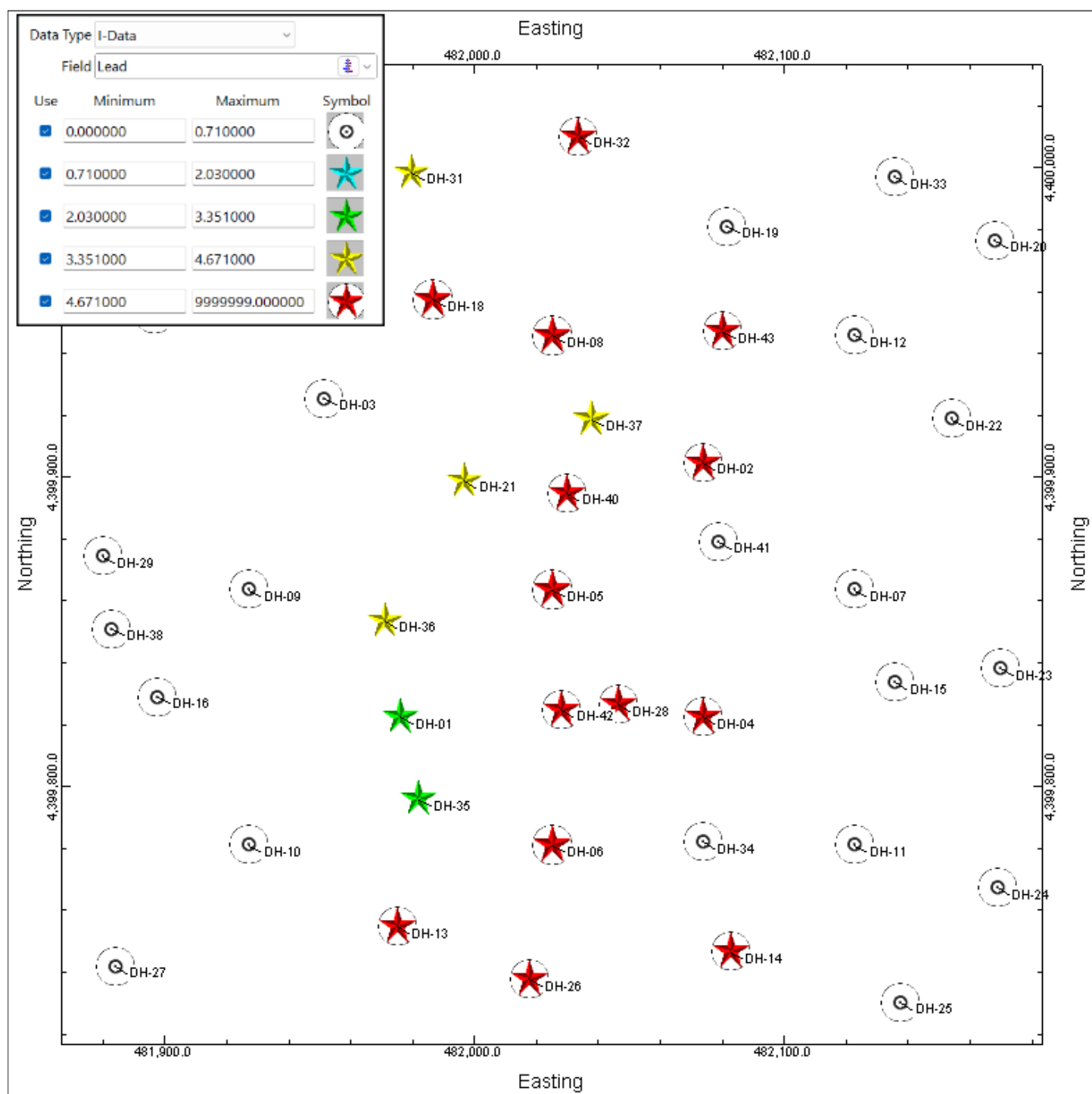
New: A tool titled “**Assign Raster Symbols From Data**” has been added to the **Borehole Manager | Edit | Symbols** menu.



This program will assign raster symbols to boreholes based on the P-Data, I-Data, or T-Data values associated with each borehole.



The basic idea is to create borehole maps that are indicative of the highest values within each borehole.

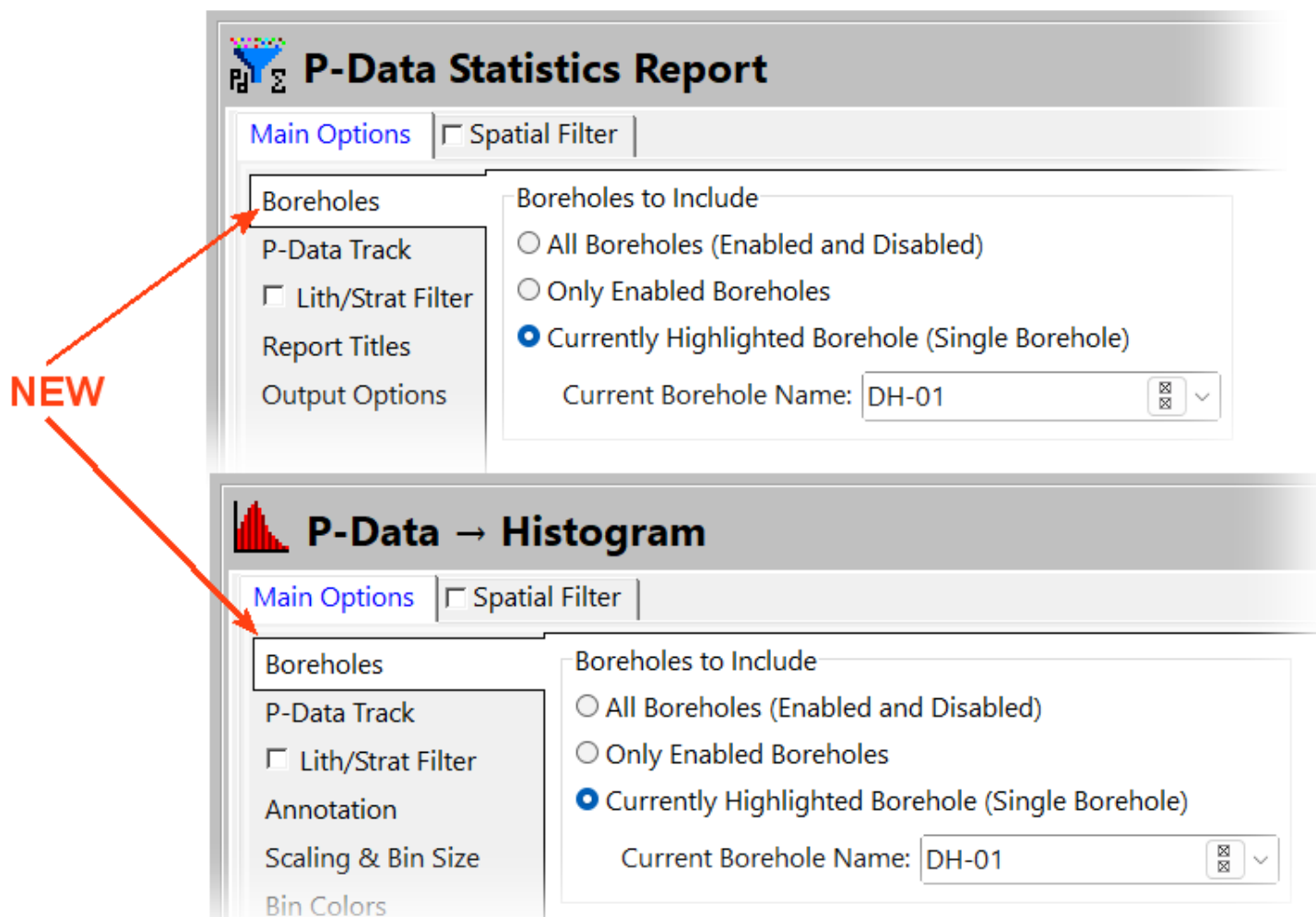


Cosmetic: The current project units have been added to a variety of sub-menus to eliminate any doubts about what's being specified.

The image displays a software interface with several panels and settings. Red arrows highlight specific units used throughout the interface:

- Drape Options:**
 - Grid Name: A-Horizon_Top.RwGrd
 - Layer Name: Draped Airphoto
 - Vertical Offset: 5.0 Meters
 - Opacity: 100 %
 - Set Transparent Color: [Color Picker]
 - Tolerance: 0
- Orientation:**
 - Horizontal: Elevation: 0.0 (Default Z Value)
 - Inclined: Dip Direction: -10.0
 - Reference Point:
 - X (Easting): 482000.0 Meters
 - Y (Northing): 4400000.0 Meters
 - Z (Elevation): 1700.0
 - Dip Amount: 0.0 (Use Negative To Indicate Down)
- Grid Model:**
 - Grid File: [Field]
 - Dimensions: [Field]
 - Algorithm: [Field]
 - Options: [Field]
 - Filter:
 - Filter Depths:
 - Minimum Cutoff: 500 Meters
 - Maximum Cutoff: 50 Meters
- Vertically Clip Log:**
 - Top Elevation: 10000.00 Meters
 - Base Elevation: -10000.00 Meters
- Stratigraphy Volumetrics:**
 - Stratigraphic Solid Model: STRATVOL_Input_Solid.RwMod
 - Stratigraphic Table to be used:
 - Stratigraphy Table
 - HydroStratigraphy Table
 - Intervals:
 - Every Layer
 - User Defined:
 - Top Elevation: 1800.0 Meters
 - Base Elevation: 1650.0 Meters
 - Interval: 50.0 Meters
 - Output Options:
 - Nodes
 - Volume
 - Mass
 - Percent
 - Decimals: 1
- Spatial Filter Settings:**
 - Minimum: 0
 - Maximum: 100 Meters
 - Set XYZs to Project Dimensions

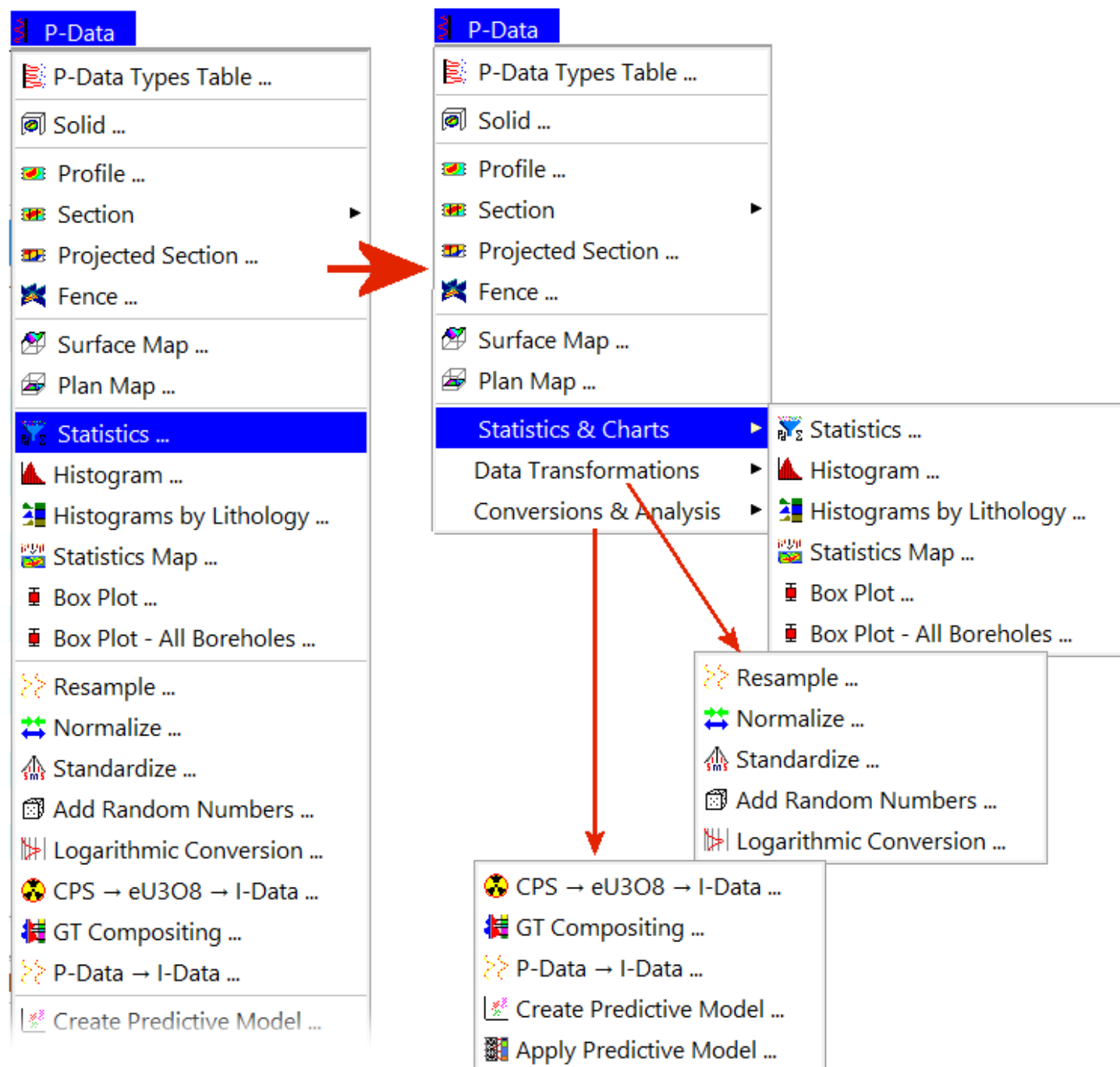
New: The P-Data | Statistics and P-Data | Histogram programs now include options for processing all boreholes, only enabled boreholes, or an individual borehole.



New: The Plot2D program now supports the **scroll wheel** on a mouse or trackball as a **zoom-in / zoom/out** tool.

Improvement: Diagrams within RockPlot2D may now be **infinitely enlarged** with either the zoom tool, the scale factor setting, or the mouse/trackball scroll wheel.

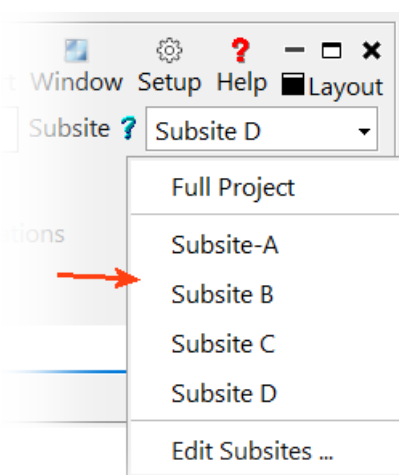
Cosmetic: The P-Data pull-down menu now include three sub-groups labeled “Statistics & Charts”, “Data Transformations”, and “Conversions & Analysis”. This new layout is more compatible with lower-resolution monitors and projectors.



Improvement: The closest-point gridding and block (solid modeling) algorithms are several orders of magnitude faster than the previous versions. Specifically, the program now finds the nearest data point more efficiently and can use multiple processor cores when creating Closest Point solid models. These changes improve processing speed without changing the calculated results.

Improvement: The optional distance filter used by the solid modeling algorithms is several orders of magnitude faster than the previous versions.

Cosmetic: The items with the Subsite selection menu are now sorted alphabetically.



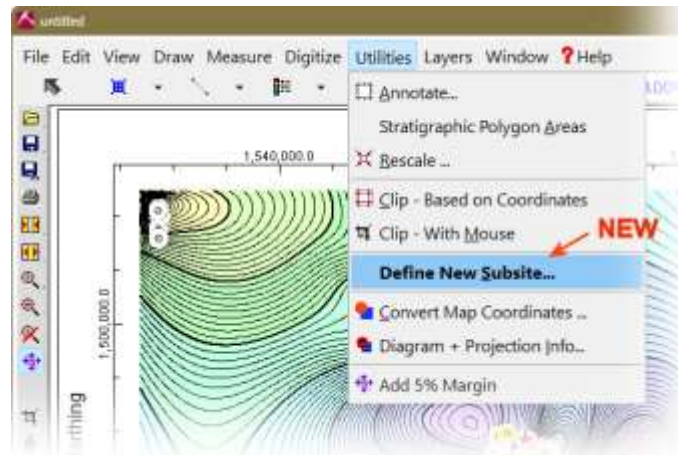
Improvement: Generating **3D striplogs** is now approximately 20% faster and progress reporting has been added so users can distinguish data scanning, striplog generation, diagram loading, and final rendering.

Improvement: RockPlot3D files and diagrams have been reduced in size by eliminating unnecessary formatting while preserving full compatibility and diagram content. For example, a RockPlot3D file decreased from approximately 672 MB to 345 MB, with no loss of data or legacy compatibility.

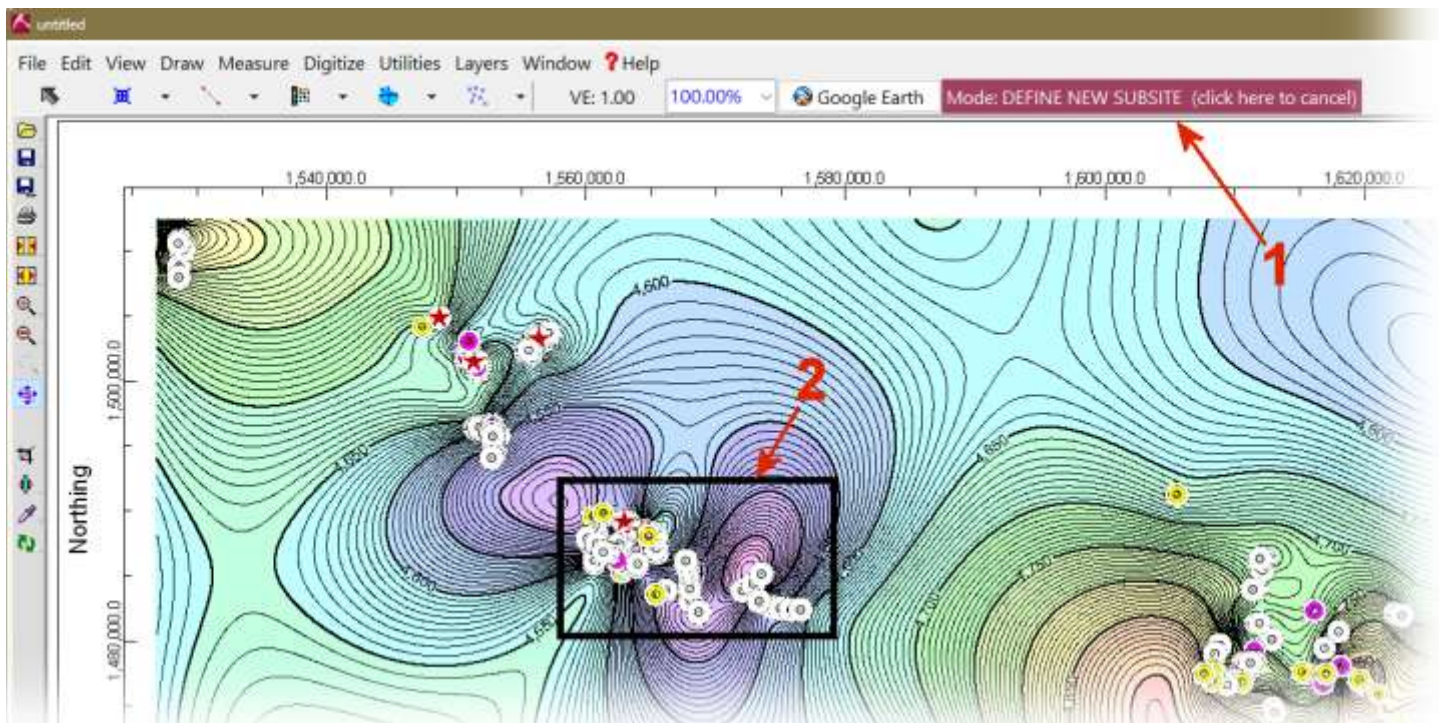
Improvement: The delay between 3D diagram generation and completion of the **PNG file export** has been significantly shortened. For example, an operation that took 158 seconds now takes 74 seconds - a reduction of about 53%.

Improvement: The **Playlist output tabs** have been improved resulting in faster displays. Specifically, the program prevents repeated rendering while a RockPlot3D diagram is being docked, resized, and centered within a Playlist output tab. For example, a complex workflow improved from approximately 200 seconds to 87 seconds—a reduction of about 56%.

New: The RockPlot2D | Utilities pull-down menu now includes an item titled “**Define New Subsite**”.



Once the Define New Subsite option has been clicked, the Mode (item #1 within the screenshot shown below) will switch to “Define New Subsite”. This is accomplished by moving the cursor to a corner of the new subsite, clicking the mouse button and then dragging the cursor to the opposite corner to define the subsite rectangle (item #2).



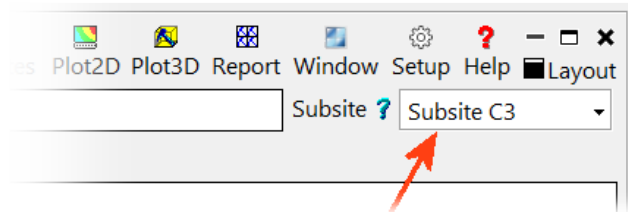
The program will then display a dialog in which a title is assigned to the subsite and the dimensions may be adjusted. The blank region within this dialog will be used to display error messages that describe any problems with the dimensions.

	Minimum	Maximum	Spacing	Nodes	Range	Units
X:	1,558,143	1,578,804	250	84	20,661	Feet
Y:	1,480,380	1,491,372	250	45	10,992	
Z:	3,490	4,950	5	293	1,460	

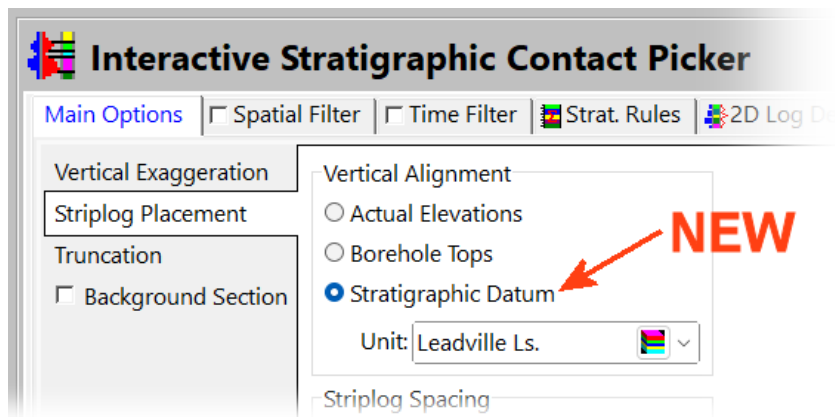
If the specified subsite name already exists, the subsite will not be created. Instead, a warning will appear, advising the user to use the Project Dimensions controls within the main RockWorks window to refine the existing subsite dimensions and the Define New Subsite dialog will be re-displayed providing the user with an opportunity to enter a unique subsite name or cancel the operation altogether.



Upon completion, the new Subsite will be listed within the upper-right corner of the main RockWorks menu.



New: The **Stratigraphy Picker** & **Lithology Picker** now include options to hang the section on actual elevations, borehole tops, or a selected stratigraphic datum (formation top). Datum-aligned picks continue to be stored at their correct downhole depths, and boreholes lacking the selected datum are now reported before processing.



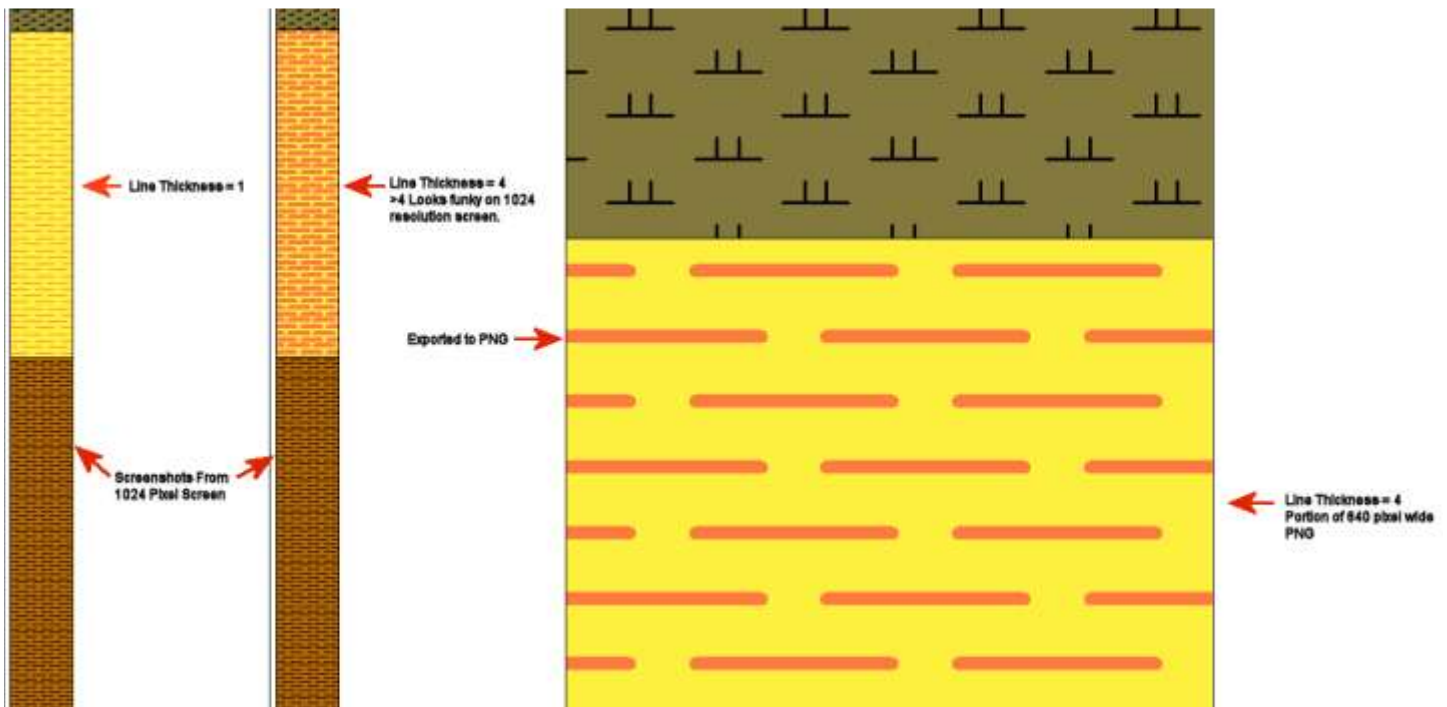
Cosmetic: Improved the shared multithreading status display so that **Grid and Solid Residual** calculations now show meaningful completion progress while parallel processing is underway.

Cosmetic: 50 applications that had no **icon** now have one.

Cosmetic: Eliminated **duplicate error dialogs** when P-Data Standardize is run without required input or output tracks.

Improvement: The **numeric spinner controls** that are used in over 77 RockWorks menus can now be edited normally without per-keystroke “clamping”. Invalid or out-of-range entries now appear in red, temporarily blank fields are allowed during editing, and configured limits are enforced when editing is complete. The spinner-button functionality is preserved.

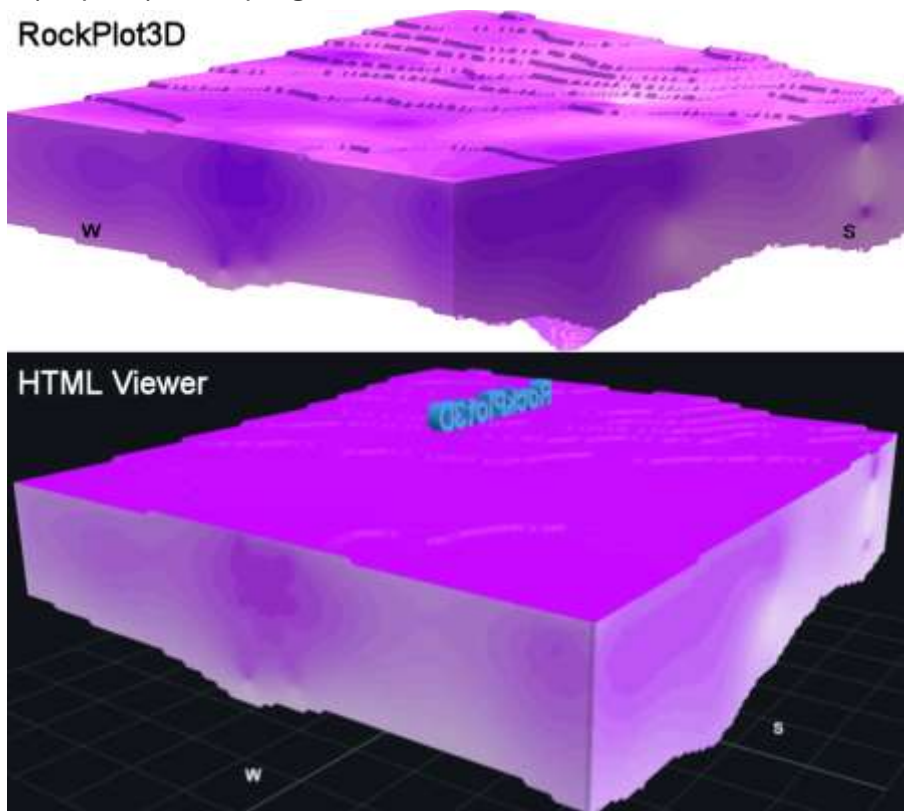
Fix: Pattern **line thicknesses** greater than 1 are now “respected” within the RockPlot2D display and the raster exports.



Fix: The **vertical-exaggeration** values stored within legacy **R3DIM** dimension files (created by RockWorks 2025 and earlier) are now read correctly. Invalid vertical-exaggeration values stored in these files are now replaced with the default value of 1.0, preventing unusably exaggerated 3D scenes.

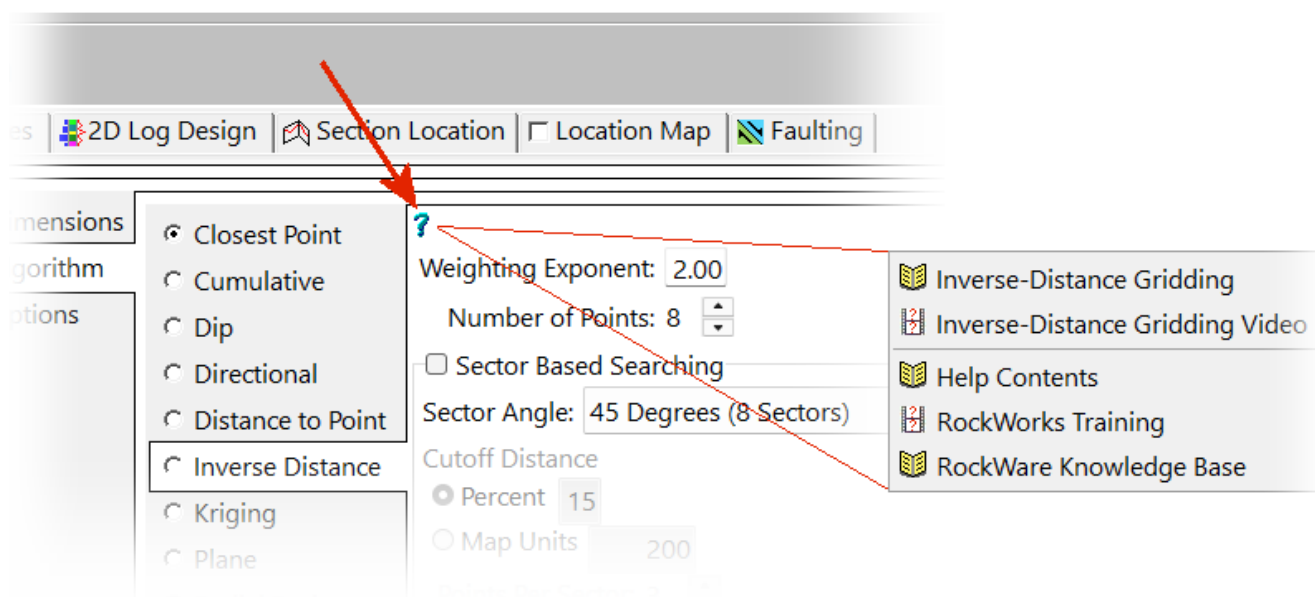
Fix: When using the **Playlist ...** If the 2D or 3D output is saved with a **new file name**, the item/tab title will be immediately changed to show the new file name. This applies to both Compact View and non-Compact View.

Fix: Block models with customized colors are now properly colored when exported to the **HTML Viewer** by the RockPlot3D | File | Export | HTML program.

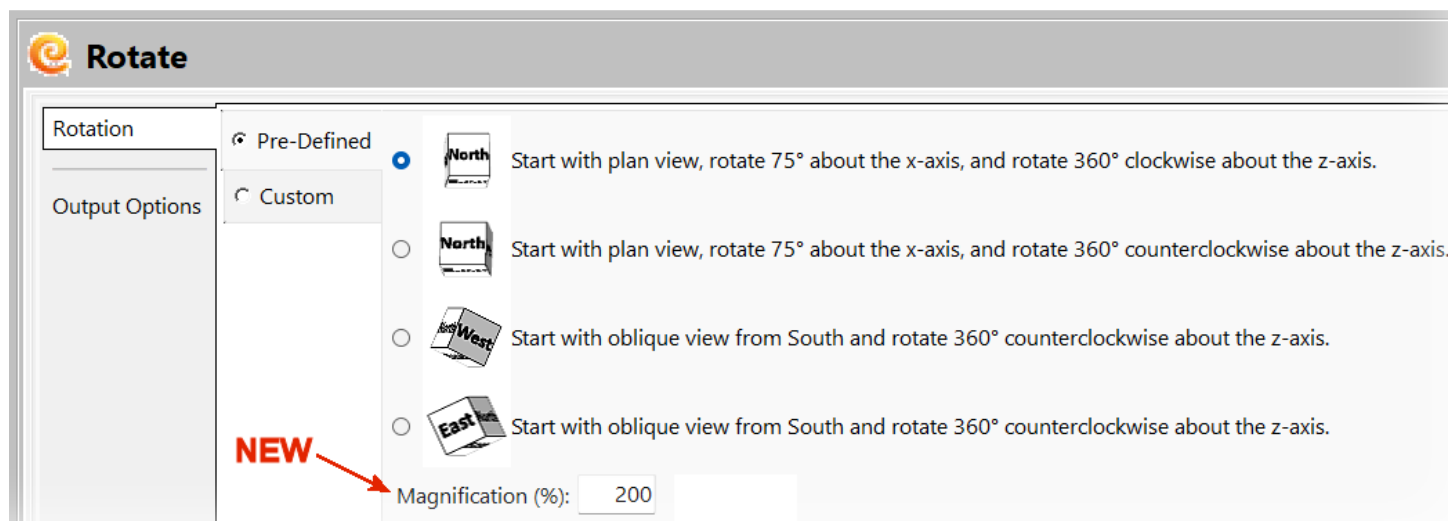


Cosmetic: Embedded help content (e.g., text and diagrams) within many of the RockWorks menus is now accessed by clicking on a blue question mark within the upper-left corner of the menus. This change:

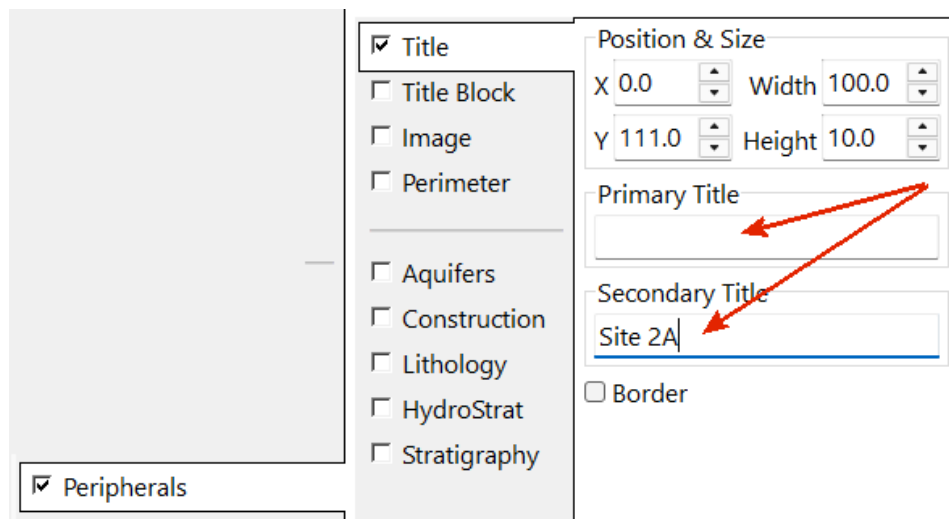
- reduces visual clutter,
- makes menus easier to use within a Playlist,
- eliminates the need for scrolling,
- eliminates the reliance on dragging “splitter bars” for viewing information, and
- makes it easier to move supporting information to another monitor.



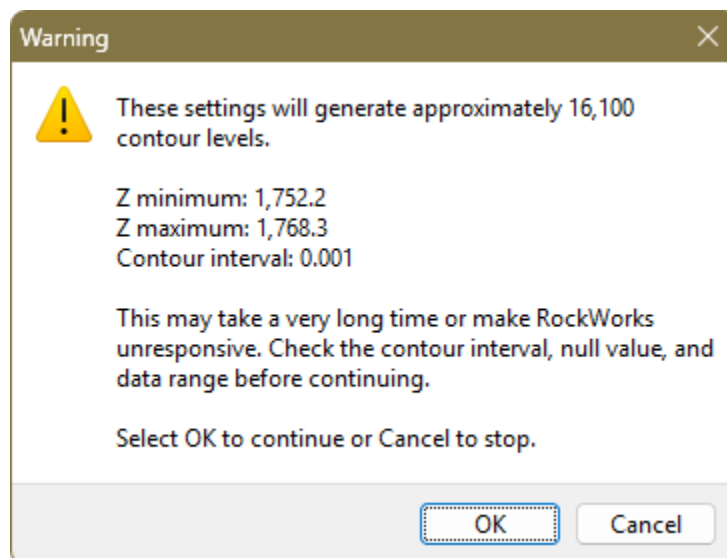
New: The RockPlot3D | **Animations** | **Rotate** menu now includes an option to define the magnification of the diagram when creating the video. Previous versions always plotted at 100%.



Fix: The Peripherals | Title options for 2D diagrams now plots **secondary titles** when the primary title is blank.



Improvement: Operations that involve **contour lines** will now provide a warning if the user has selected contour intervals that will result in a map that is unusable (i.e., so many closely spaced contours that the map appears to be black).



New: The 3D Legend(s) tab now includes an option titled “**Striplog I/P/T Data**”. This option can be used to add legend(s) that depict the color schemes used by striplog I-Data, P-Data, or T-Data. In addition, the “Color” option has been renamed to “Model” and applies only to the color schemes used for grids and solids.

☐ Display as Flat Surface

Add

☒ Perimeter Cage

☐ Perimeter Skirt

☐ Draped Image

☐ Floating Image

☐ Infrastructure

☒ Legend(s)

☐ Other 3D Files

☒ Striplogs

☐ Title

☐ Aquifers

☒ Model

☒ Striplog I/P/T Data

☐ Lithology

☐ Hydro Stratigraphy

☐ Stratigraphy

Position: ☒ Left ☐ Right Size: ☐ Border

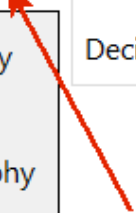
Offset: Horizontal: Vertical:

Font:

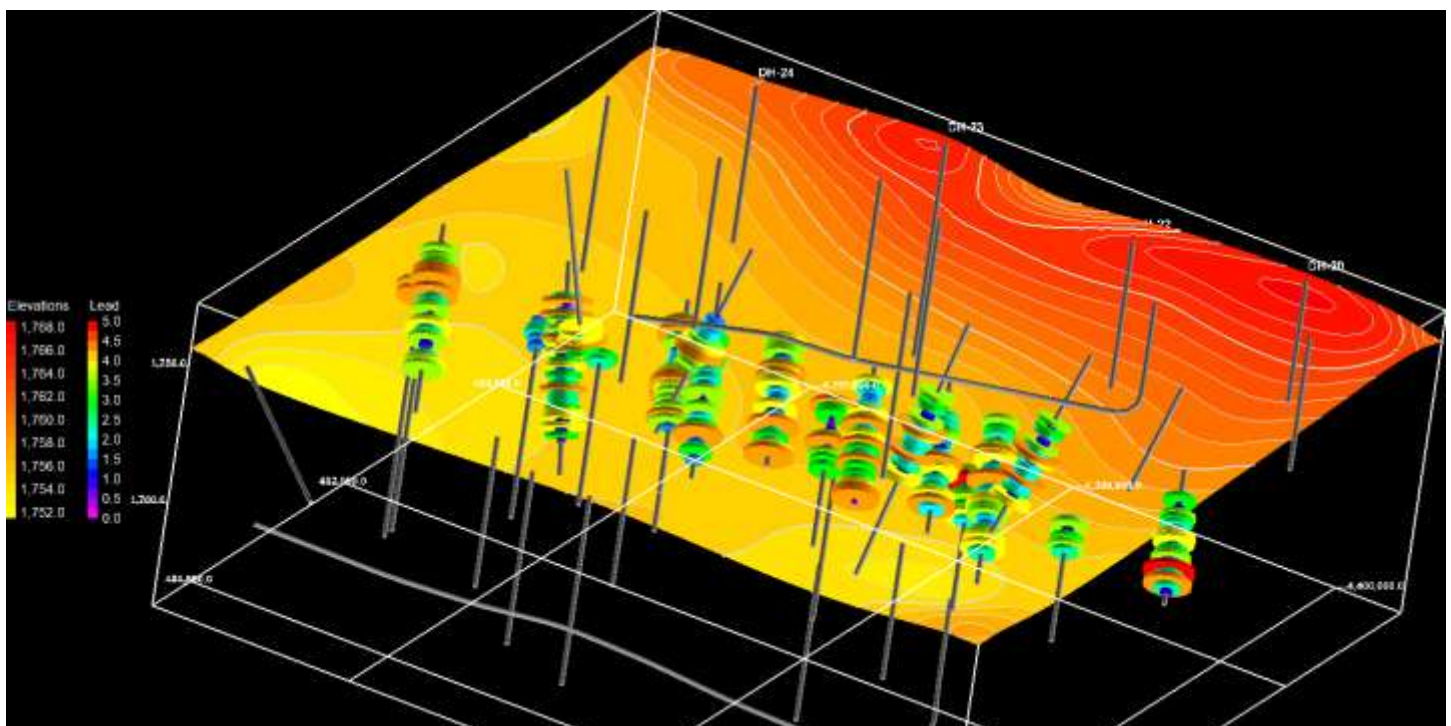
Color Intervals & Decimals

Intervals: ☒ Automatic ☐ Manual

Decimals: ☒ Automatic ☐ Manual



NEW



Cosmetic: The Playlist no longer gives a lengthy flashing tour of the entire list just to process a single item.

Fix: If the color-picker “**eyedropper**” is selected when running in Remote Desktop mode, the program will no longer display a cryptic “access violation” error. Instead, the user will now be presented with a message which states that “The screen color picker is unavailable during a Remote Desktop session. Please select a color from the color dialog.”

Improvement: Single-clicking on a **pattern** within the Stratigraphy, Lithology, etc. tables immediately brings up the pattern selection table. The pattern number and ellipse button is no longer displayed – requiring a second click.

New: Added constant shapes and proportional shapes based on numeric Location-table fields to the Borehole Location map overlays.

New: The Utilities / Hydrochem / **Durov** program now includes an option to include a **color legend** if the data is contoured.

Ion Data → Durov Diagram (DUROV)

Main Options | ☐ Spatial Filter | ☐ Time Filter

Input Columns

Diagram Options

☒ Contours

—Add—

☐ Other 2D Files

☐ Peripherals

☐ Border

Output Options

☒ Border

☒ TDS Circles

Scalar: 5000.00

☒ Symbol Index

☒ Major Dividers

Spacing: ☐ 10% ☒ 20%

☒ Minor Dividers

Spacing: ☒ 5% ☐ 10%

☒ Ternary Titles

☒ Vertex Titles

☒ Axis Titles

☒ Axis Labels

☒ TDS Scalebar

☒ Point Symbols

Size: 4.00

Line Thickness (Pixels): 1

☐ Point Labels

Size: 4.00

☒ Leader Lines

☐ Auto-Offset

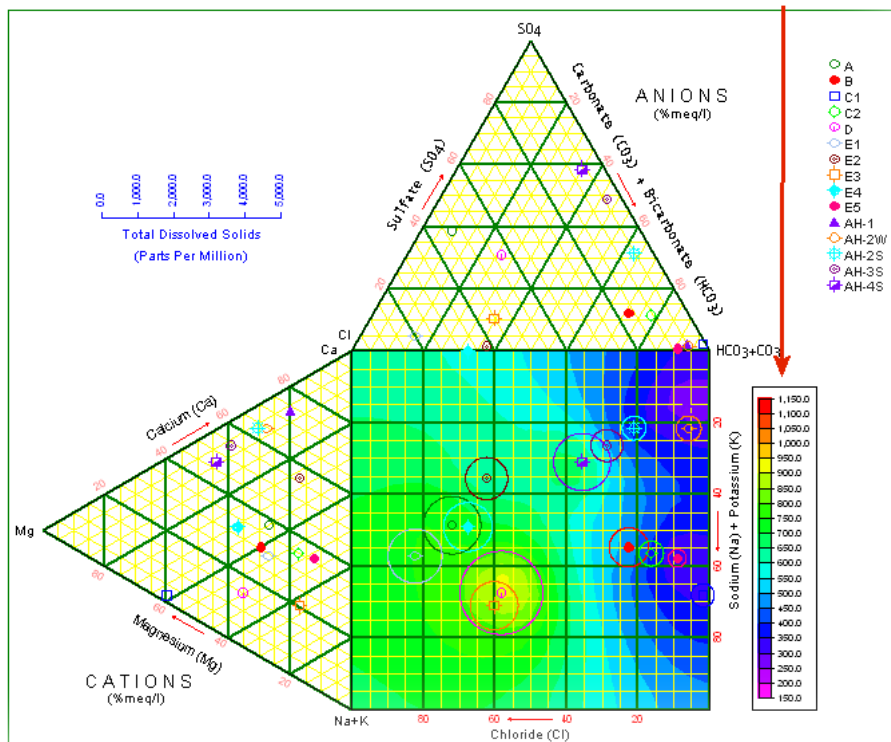
Gridding / Contouring Options

Contours Represent: ☐ Sample Density ☒ TDS (Total Dissolved Solids)

Grid Density: 20

☒ Color Legend

NEW



Fix: R3DIM dimension changes now mark the RockPlot 3D diagram as modified. Saving synchronizes the current dimensions, zoom, pan, rotation, and text scale with the RW3D Default View. Reopening now honors the saved view instead of overwriting it with automatic zoom.

Fix: Strat Picker striplogs and stratigraphy are no longer compressed or invisible when Vertical Alignment is set to Actual Elevations.

Fix: Stratigraphy clipping relative to the borehole collar and total depth now uses the borehole's actual collar position—including stickup/negative-depth offsets—instead of hard-coded depth zero. This keeps stratigraphy, hydrostratigraphy, and depth bars aligned while retaining the existing TD cutoff.

New: An option has been added to place **major and minor contours** in separate RockPlot2D layers, allowing minor contours to be toggled independently.

New: RockPlot2D section panels that are exported to RockPlot3D have been consolidated into a single **“Section” group**, allowing the entire section to be turned on or off easily.

New: The Utilities / Widgets now includes an option to load the new RockWare Web-Based Widgets into your web browser.

The screenshot displays the RockWare Widgets interface. On the left, a sidebar lists various tool categories: Area & Volume, Color Converter, Finance, Geologic Time, GeoTrig, Igneous Rock ID, Periodic Table, Unit Conversions, and Web Version. The 'Web Version' option is highlighted with a red arrow and the word 'NEW' in large red letters. To the right, a section titled 'RockWare Widgets on the Web' explains that the collection is free, web-based, and runs in a browser without the need for software installation. Below this, a button labeled 'Open Web Version' is shown. The main content area features the RockWare logo, the tagline 'Useful geology. Right at hand.', and a grid of 12 tool cards. Each card includes an icon, a title, a brief description, and an 'Open Widget' button. The tools are categorized by tabs at the top: All (64), Field & Lab (20), GeoTrig (10), Unit Conversions (15), Area & Volume (10), Finance (4), Reference (3), and Color (1). The tools shown include 2-Points, 3-Points, Angle, Angular Velocity, Apparent Dip, Aquifer Parameters, Area, Bayes Theorem, Bearing, Borehole Deviation, Box / Cube, and Breakeven.

RockWare Widgets on the Web

Open the free, web-based RockWare Widgets collection. It runs in a browser on computers, tablets, and phones without installing software.

NEW

Open Web Version

RockWare
Earth Science Software, Consulting, and Training

All tools About

FREE TOOLS FOR EARTH SCIENTISTS

Useful geology. Right at hand.

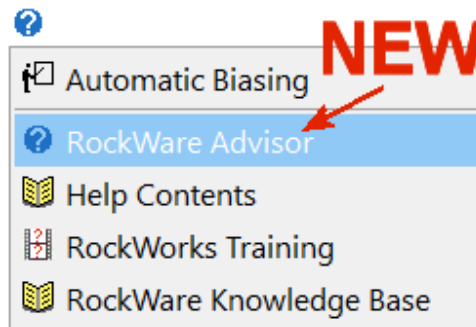
64 practical calculators, converters, and references from the people who make RockWorks. No account required.

Search tools...

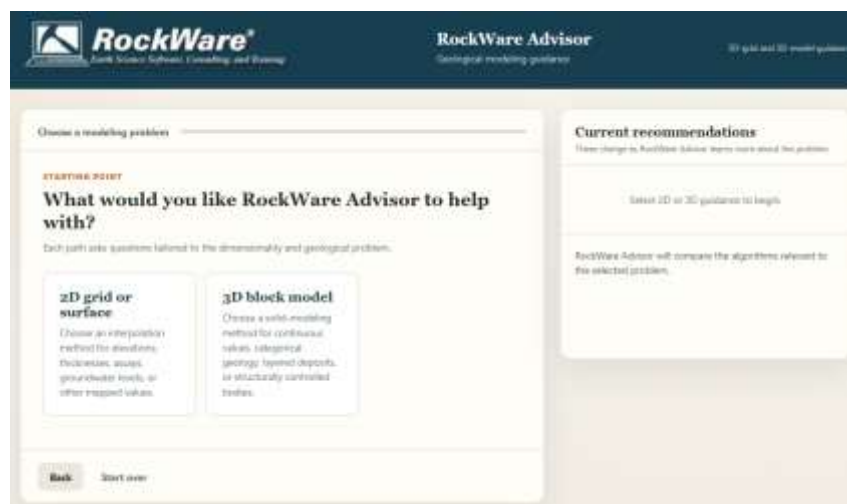
All 64 Field & Lab 20 GeoTrig 10 Unit Conversions 15 Area & Volume 10 Finance 4 Reference 3 Color 1

Category	Tool Name	Description	Action
GEOTRIG	2-Points	Calculate bearing, distance, and slope between two locations.	Open Widget
GEOTRIG	3-Points	Determine the orientation of a plane from three points.	Open Widget
UNIT CONVERSIONS	Angle	Convert angle among common units.	Open Widget
UNIT CONVERSIONS	Angular Velocity	Convert angular velocity among common units.	Open Widget
GEOTRIG	Apparent Dip	Calculate the dip visible along any cross-section bearing.	Open Widget
FIELD & LAB	Aquifer Parameters	Relate conductivity, transmissivity, thickness, and storage.	Open Widget
UNIT CONVERSIONS	Area	Convert area among common units.	Open Widget
FINANCE	Bayes Theorem	Explore conditional probability from known evidence.	Open Widget
UNIT CONVERSIONS	Bearing		
FIELD & LAB	Borehole Deviation		
AREA & VOLUME	Box / Cube		
FINANCE	Breakeven		

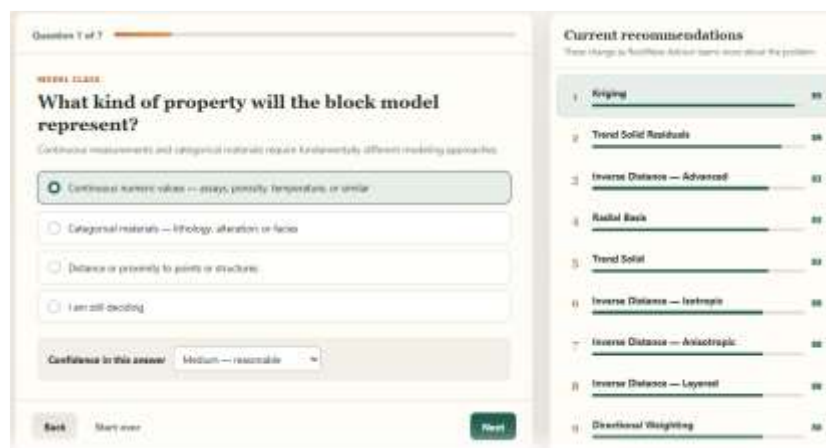
New: An option titled “**RockWare Advisor**” has been added to the popup menu that appears when a user clicks on a blue help button.



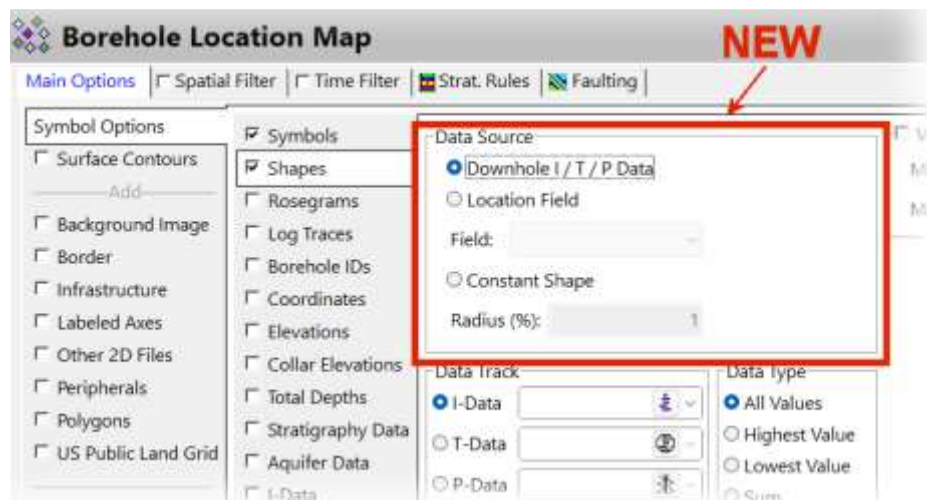
Clicking on this option will load the RockWare Advisor into the default web browser.



Once the type of model has been selected, the program will ask a series of questions and recommend the most appropriate type of algorithm that should be used.



New: It is now possible to add constant shapes and proportional shapes based on numeric Location-table fields to Borehole Location map overlays.



Improvements: The following time-consuming operations now respond more readily to the “**Cancel**” button being clicked:

- 3D Embellishment
- Delaunay Triangulation
- Grid Morphing
- Lithologic Modeling
- Multiple 3D Log Generation
- Playlist Operations
- RockPlot3D File Loading
- Symbol Mapping
- Time Machine Operations
- XYZ-to-Fault Conversion

General Improvements: Many commands now cope more gracefully with incomplete or unsuitable input which translates to fewer crashes and fewer vague technical errors. Specifically;

- Required information is checked before processing begins.
- Missing optional information can often be skipped while still producing the main result.
- Unreadable files, invalid settings, and empty datasets produce clearer messages.
- Failed operations are less likely to cause another error during cleanup.
- Messages more often identify the affected file or setting.

- Commands stop cleanly when continuing could produce misleading results.
- Input grids and solid models are validated before calculations begin.
- Output files are checked before later operations attempt to use them.
- Models with incompatible dimensions are rejected with an explanation.
- Empty, unreadable, and unsupported models are handled safely.
- Points outside model boundaries are skipped instead of being used accidentally.
- Additional checks were added to slice extraction, insertion, filtering, merging, conversion, statistics, and volumetric operations.
- Temporary model data is released properly after failed operations.
- A command is less likely to continue using a model that failed to load or save.
- More calculations now check their input before proceeding.
 - Division by zero is avoided.
 - Logarithmic calculations reject zero and negative values.
 - Empty datasets are not averaged or scaled.
 - Charts with identical minimum and maximum values are handled safely.
 - Invalid increments, spacing values, dimensions, ranges, and animation frame counts are detected earlier.
 - Invalid loop intervals are rejected instead of allowing a command to hang.
 - Points are checked before grid or solid nodes are accessed.
 - Extremely large images and diagrams are rejected before exhausting Windows memory.
 - Additional numeric settings accept thousand separators such as 1,234.56.
- Playlist Resilience: The following safeguards have been added to the Playlist processing engine.
 - A recoverable command failure does not necessarily terminate all remaining items.
 - User cancellation is tracked separately from an item failure.
 - Cancellation is preserved if the active command also raises an exception.
 - Malformed or unreadable datasheets can be reported while later items continue.
 - Optional overlay and embellishment failures are generally treated as warnings.
 - The current item remains highlighted until processing advances.
 - Completed Execution History information becomes available promptly for review.
 - Repeated routine progress messages were reduced so genuine problems are easier to find.
 - Missing tracks, tables, diagrams, and other inputs are more consistently identified in Execution History.
 - Some successful commands no longer appear to have failed merely because an optional display step was suppressed.
- Command-Line & Unattended Playlists: Automated runs now behave more like a processing engine and less like an interactive session.
 - Command-line processing waits until the main RockWorks window has finished initializing.
 - Startup re-entry and premature item selection are prevented.
 - Automated processing avoids unnecessary focus and application-tab changes.
 - Expected test failures are recorded without repeatedly opening interruption dialogs.

- External image, PDF, report, spreadsheet, text, browser, video, raster, and Google Earth viewers are suppressed in many automated workflows.
- Interactive overwrite and file-replacement questions are avoided where appropriate.
- The Playlist remains synchronized with the item being processed.
- Execution History contains more useful information for auditing unattended runs.
- Command-line shutdown avoids reactivating interactive Playlist processing.
- Temporary display windows are less likely to flash during automated output generation.
- RockPlot3D includes several additional safeguards:
 - Oversized bitmap exports, previews, render tiles, and screen captures are rejected before Windows runs out of resources.
 - Image-export failures can be reported without stopping the rest of a Playlist.
 - Temporary export windows are hidden more cleanly during automated processing.
 - XML files, append files, color tables, grids, solids, and output folders receive more consistent validation.
 - Failed screen captures are reported without exposing low-level OpenGL or bitmap exceptions.
 - Missing append files and unsuccessful saves identify the affected filename.
 - Generated diagrams are less likely to be marked incorrectly as modified.
 - Program-generated filenames and window captions are handled more consistently.
- Additional validation was applied to numerous graphical workflows.
 - Profile, section, fence, annotation, clipping, fault, and peripheral options are enabled only where supported.
 - Missing optional overlays are less likely to prevent the main diagram from being created.
 - Empty or insufficient location tables are reported clearly.
 - Bar charts, pie charts, box plots, histograms, scattergrams, stereonet, and similar diagrams handle blank or invalid values more safely.
 - Shapefile export skips unsupported layer types instead of failing the entire export.
 - Right-pointing command-navigation arrows were restored without depending on source-file character encoding.
 - Missing profile or section points can be treated as recoverable Playlist warnings.
 - Invalid logarithmic chart ranges and subdivisions are detected before drawing begins.
 - Optional 2D and 3D embellishment failures are reported without necessarily destroying the main diagram.
- Particle and borehole-derived modeling now have additional safeguards:
 - Particle creation stops cleanly when no usable points are available.
 - Invalid sampling intervals are rejected before processing loops begin.
 - Borehole paths are checked before particle extraction.
 - Surface grids and filtering grids are validated consistently.
 - Points outside a grid are not sampled.
 - Empty I-Data, T-Data, P-Data, lithology, stratigraphy, and color selections produce clearer messages.

- Repeated no-data warnings are reduced in multi-track diagrams.
 - Temporary particle lists and residual grids are released correctly after failures.
 - Numeric particles use the same coordinate system as their associated striplogs.
 - Invalid or missing datasheet columns are handled before final particle processing begins.
 - File, import, export, and report handling have been standardized:
 - Many text, XML, grid, solid, image, report, and temporary-file operations now use common validation routines.
 - Output folders are checked or created before writing begins.
 - Locked or inaccessible output files produce understandable errors.
 - Malformed import records identify the source file and, where possible, the parsing problem.
 - AGS and AML imports accept grouped numeric values in additional fields.
 - KML and KMZ failures are handled more safely during automated runs.
 - Shapefile output folders and supporting files are checked before creation begins.
 - Image, thumbnail, report, and temporary-file cleanup is more consistent.
 - Import templates, configuration files, reports, and lists use more consistent text and XML handling.
 - Files that fail to save are detected before RockWorks attempts to display or process them.
 - Several Preferences and startup behavior have been clarified:
 - The startup project-folder prompt was moved to the User Interface preference page.
 - The established startup-only application-font behavior was restored.
 - The supported startup font range was restored to 9–12 points.
 - An unreadable previous window layout or previous datasheet no longer prevents RockWorks from starting.
 - Command-line Playlist setup avoids processing interactive Preferences controls.
 - Startup configuration folders use the same checked folder-creation routines as other RockWorks files.
 - The Execution History is more useful for diagnosing automated runs.
 - Missing files and invalid settings are recorded with more context.
 - The nearest numbered Playlist test comment can be included with history entries.
 - Harmless default-backed variables are suppressed.
 - Routine per-borehole, shapefile, and particle progress chatter was reduced.
 - Nested Playlist entry and return are visible.
 - Skipped appendages, temporary symbol keys, and optional inputs are identified.
 - Reports generated during automated processing are less likely to be opened and locked by an external program.
 - Warnings remain available for inspection even when no interactive dialog is shown.
-