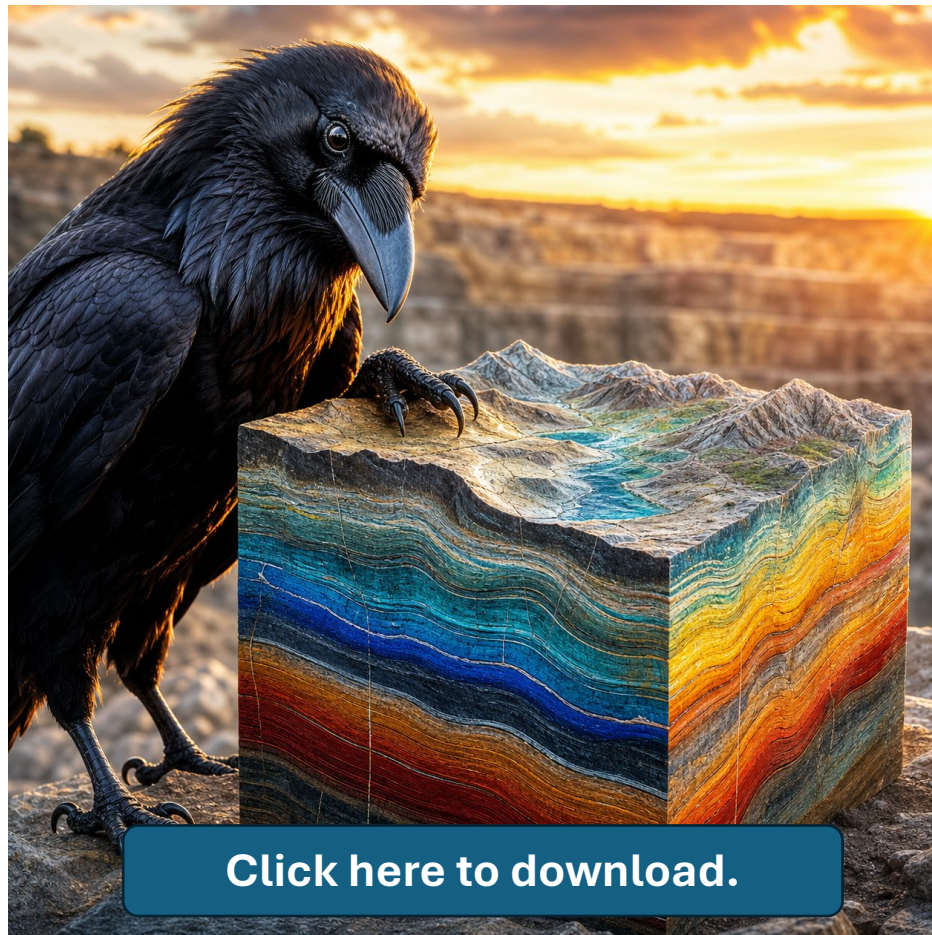


RockWorks Revisions

(Changes made after Version 2026.8.19 release.)



[Click here to download.](https://www.rockware.com/support/rockworks-support/rockworks-downloads/rockworks-product-updates/)

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

IMPORTANT: When this new version of RockWorks is installed, the database will be updated to the latest version, Version 43.

Because of this database update, we strongly recommend disabling the sync feature in cloud storage programs such as OneDrive and Dropbox while working in RockWorks. Allowing these programs to sync RockWorks database files while they are in use may cause problems with the database.

Additionally, when using OneDrive with RockWorks, we do not recommend remapping the Windows Documents folder to OneDrive.

The NEW **RockPlot3D Web Viewer** lets anyone open and explore RockWorks Rw3D files directly in a web browser. Simply drag and drop or open an Rw3D file in the viewer — no RockWorks installation required.

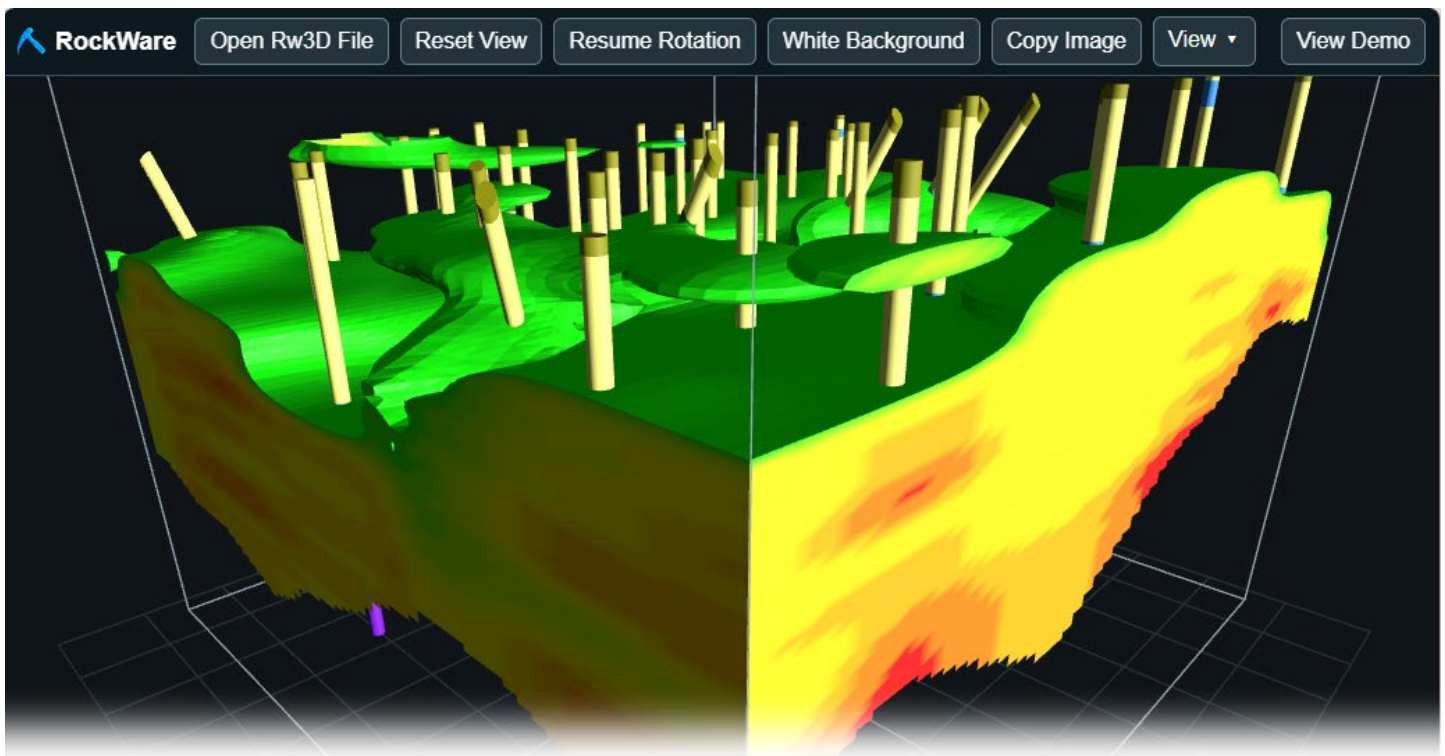
Once loaded, users can interact with the diagram much like they would in RockPlot3D. They can:

- Rotate, zoom, and reposition the 3D scene
- Turn individual objects and groups on or off
- Inspect objects within the diagram
- Adjust lighting and vertical exaggeration
- Display legends and diagram information
- Copy the current view as an image

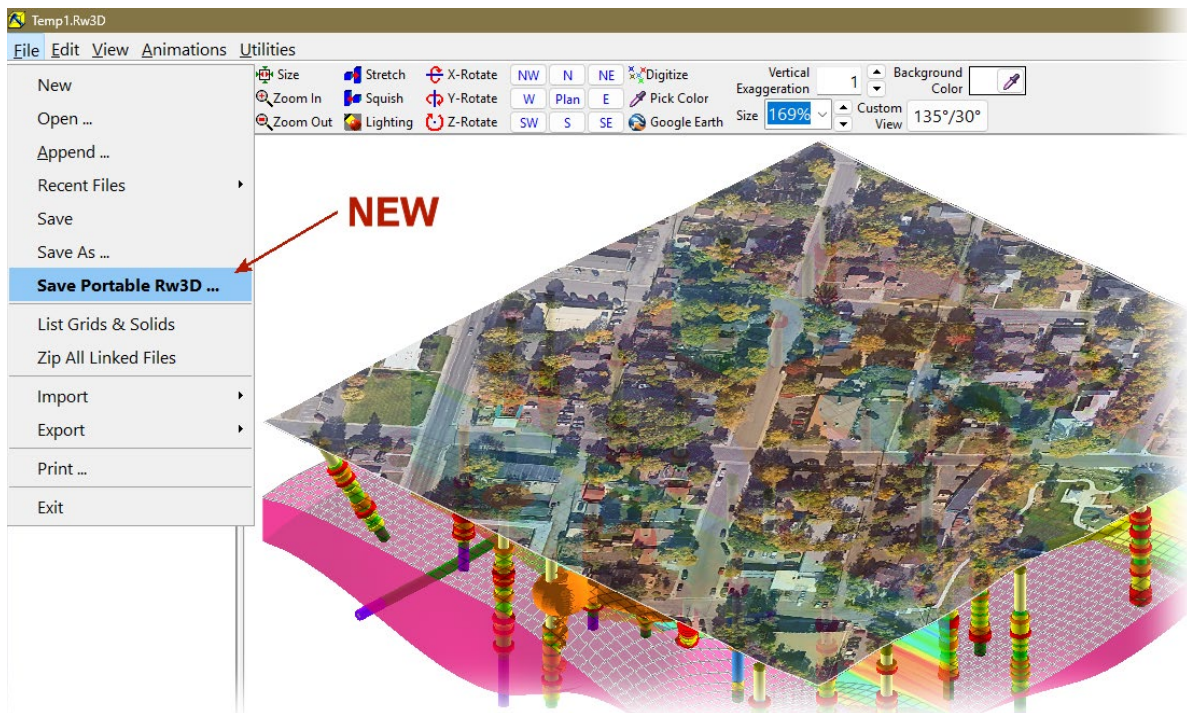
Best of all, the Rw3D file is processed **locally in the browser** rather than uploaded to RockWare.

[Try the RockPlot3D Web Viewer](#)

[Check out the Web Viewer Gallery](#)

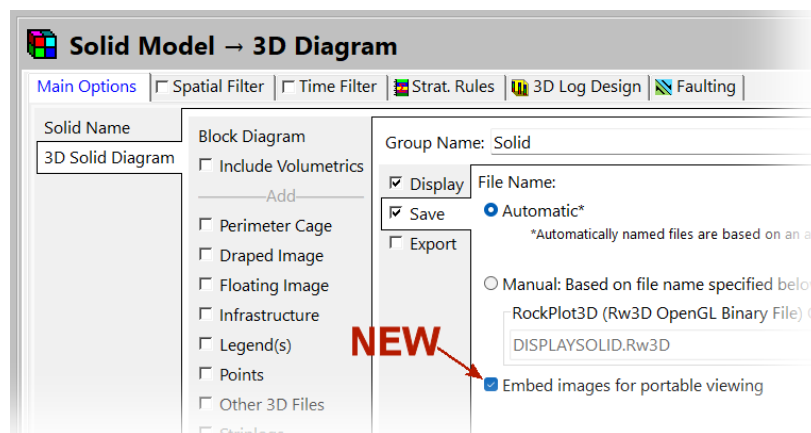


New: An option titled “**Save Portable Rw3D**” has been added to the RockPlot3D | File menu.

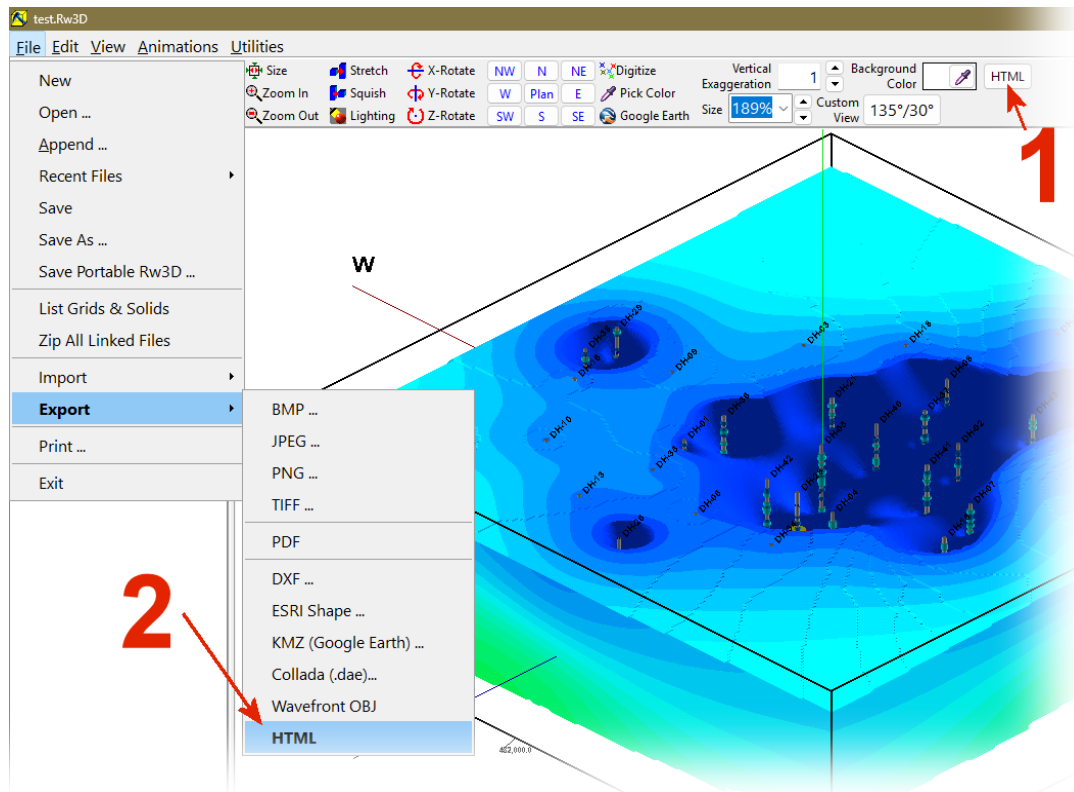


This option embeds referenced images within the .Rw3D file, creating a self-contained diagram that can be shared, transferred, or opened in the RockPlot3D Web Viewer without separately copying the associated image files. Conventional non-portable Rw3D files retain links to external image files, so those images may be missing if the diagram is moved to another folder or computer without them. Because embedded images are stored inside the portable file, portable Rw3D files may be substantially larger than conventional Rw3D files, particularly when they contain numerous or high-resolution images.

In addition, an option to embed images during diagram creation has been added to the Output Options sub-menu for all programs that create 3D diagrams. This is especially important for automated and Playlist operations, where opening every completed diagram in RockPlot3D and selecting **Save Portable Rw3D** would be impractical.



New: A new option titled “HTML” has been added to the RockPlot3D button bar (1) and the File | Export sub-menu (2). When either of these options are selected, a dialog will appear that determines how the currently displayed 3D diagram will be converted to a HyperText Markup Language File (HTML) and what will be done with it after the conversion.



The Diagram Title (see below) refers to an options 3D label that is centered above the top of the diagram. The direction that the label will be facing can be controlled as well as the size and color of the label.



The Export Type (see below) determines how the HTML file is constructed.

Export Type	Online: Smaller file; viewer loaded from RockWare website (internet required).
	Embedded: Larger file; viewer included in HTML file (works offline).

The **Online** option compresses the current Rw3D diagram and embeds it in an HTML wrapper. When the HTML file is opened, it loads the RockPlot3D Web Viewer from the RockWare website and decompresses the embedded diagram locally. An internet connection is required to load the viewer.

The **Embedded** option compresses the current Rw3D diagram and packages it with the complete RockPlot3D Web Viewer in a single HTML file. When opened, the file decompresses and displays the diagram locally. No internet connection is required.

The **Email To** option (see below) creates the HTML export and then opens a new message in the computer's default desktop email program with the HTML file attached. RockWorks does not send the message automatically; the user can review, edit, and send it from the email program.

☐ Email To	<u>c.babbage@rockware.com</u>	(optional)
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Emailing is entirely optional. If the checkbox is selected but the address is left blank, the email program opens the message without a recipient so one can be entered there.

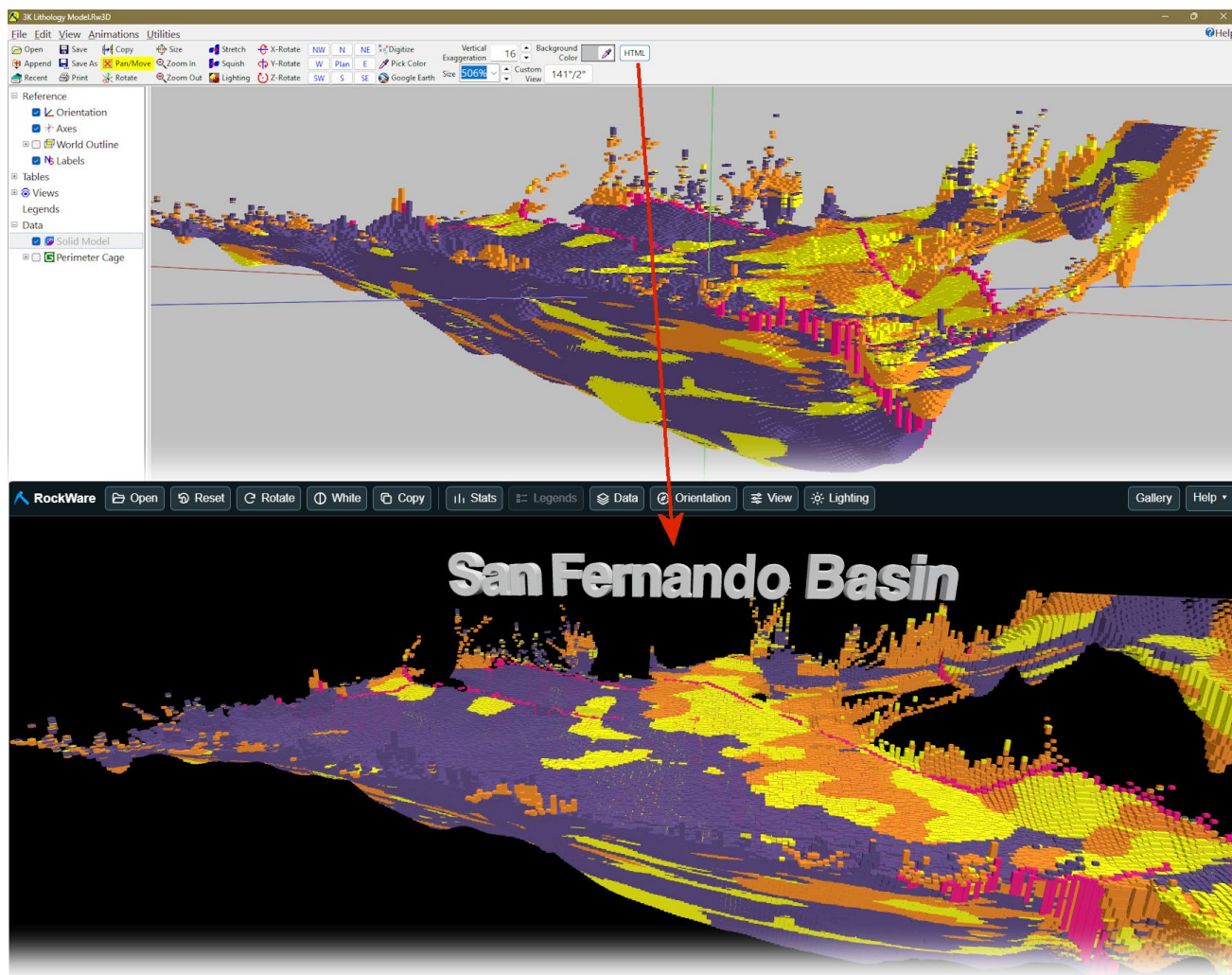
Potential limitations include:

- The computer must have a desktop email program that supports Windows Simple MAPI. Browser-only webmail may not work.
- Embedded HTML exports may be too large for some email systems.
- Some organizations block or quarantine HTML attachments for security reasons.
- Recipients of an **Online** export need internet access to load the RockPlot3D viewer. **Embedded** exports work offline.
- If RockWorks cannot open the email message, the HTML file is still created and can be attached manually.

If the size of the HTML file exceeds the limit of your email program, a file transfer service such as DropBox or SwissTransfer may be used instead to send the output file.

During the compression process, RockWorks omits voxels that are completely obscured by surrounding voxels. Adjacent, coplanar faces having the same color are then consolidated, further reducing the amount of data. The result is a smaller block model that loads much faster in the 3D Web Viewer.

In the example below, a model containing 2,108,616 voxels was consolidated into 41,141 boxes. Its loading time decreased from approximately 20 minutes to only a few seconds.



New: A new T-Text table has been added to the RockWorks database. This is designed to store text-based data linked to top and base depths and a Sampling Date. The T-Text table is designed to store time-based string data that can be plotted as text in 2D Striplogs.

New: Support for the new T-Text table have been added to the 2D Striplog Layout tab, as well as various Borehole Manager Import and Export programs.

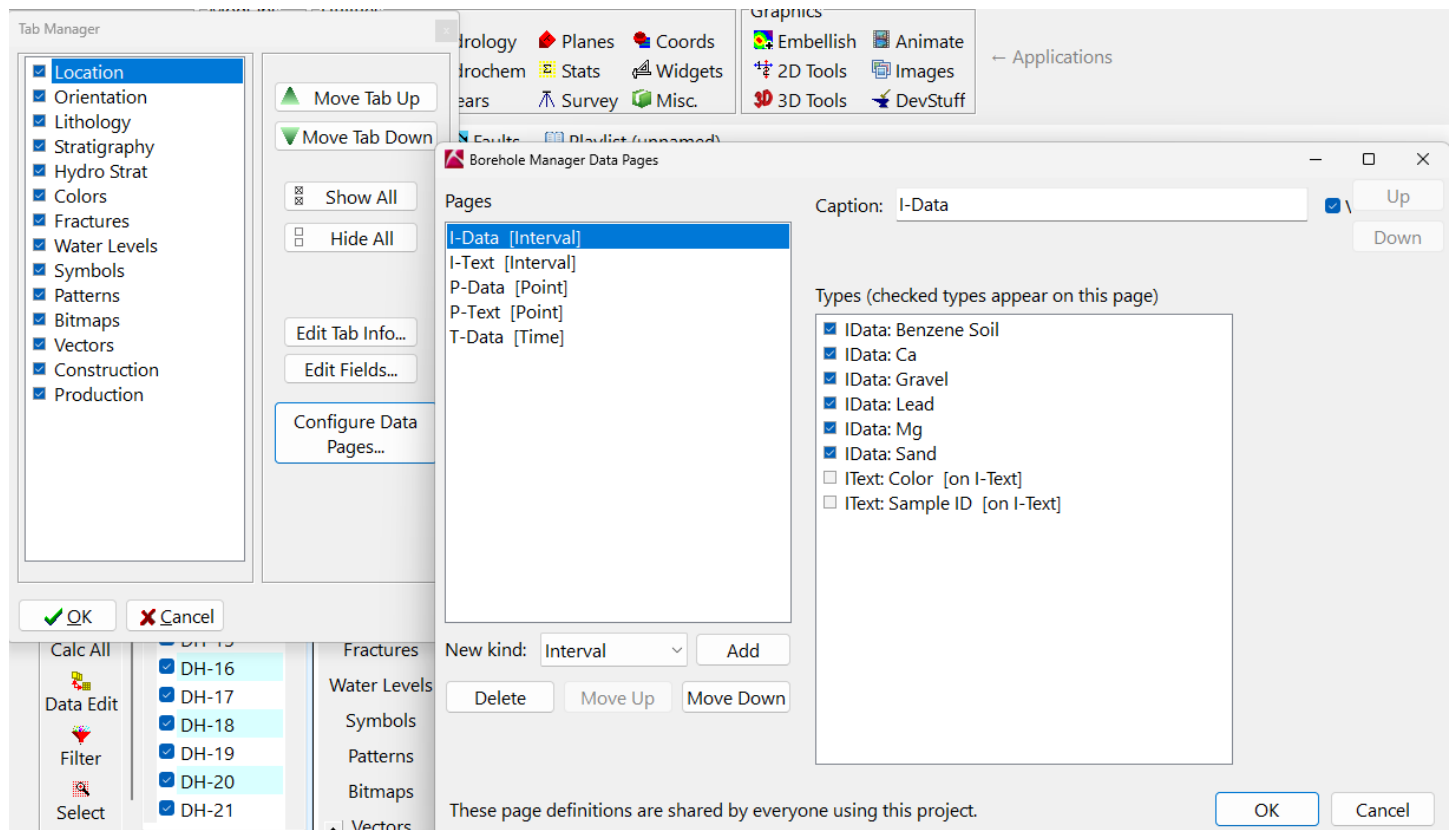
Improvement: RockWorks now allows you to customize the data pages displayed in the Borehole Manager. Instead of using separate, fixed tabs for I-Data, I-Text, P-Data, P-Text, T-Data and T-Text, you can create your own pages and choose which data columns appear on each page.

This makes it possible to organize Borehole Manager data around the way you actually use it. For example, you might create:

- A **Field Observations** page containing soil descriptions, sample notes, and field measurements.
- A **Chemistry** page containing analytical results such as arsenic, lead, and benzene.
- A **Geotechnical Data** page containing interval-based engineering measurements.

Numeric and text data can appear together on the same page when they use the same type of depth or time information.

Note: These changes increased the Data Dictionary/Database version to 43.



Fix: Corrected **mixed-unit borehole imports** that were stored in display/output units while labeled as database/input units, causing incorrect unit labels and repeated conversion during dimension scanning. In other words, if a project was configured to use meters for xy units and feet for z units (or vice-versa) there was a problem which has now been fixed.

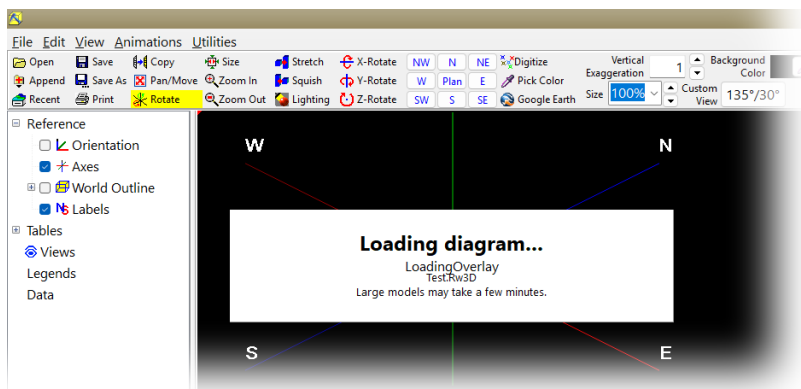
Note: This change was included within the second 8/19/26 upload.

Fix: The following **help links** have been updated to load the proper information:

- Solid Modeling | Special Options: 14 obsolete targets replaced with current, specific topics (Add Points, Constrain, H/V Cutoff, Distance, Envelope, G as Color, HiFi, Logarithmic, Superface, Subface, Tilt, Warp).
- Solid Modeling | Algorithms: Lateral Blending Randomization updated to the current Lateral Blending topic.
- ASCII Import wizard final page → general ASCII import topic.
- DBF Export → DBF export topic.
- Generate Land Grid Files → Land Grid Table topic.
- Create New Table → Project Look-Up Tables topic.
- Optional Fields Template → Optional Fields topic.
- SHP Import → Shapefile import topic.
- RockPlot2D Arrow Properties → Arrow drawing/editing topic.

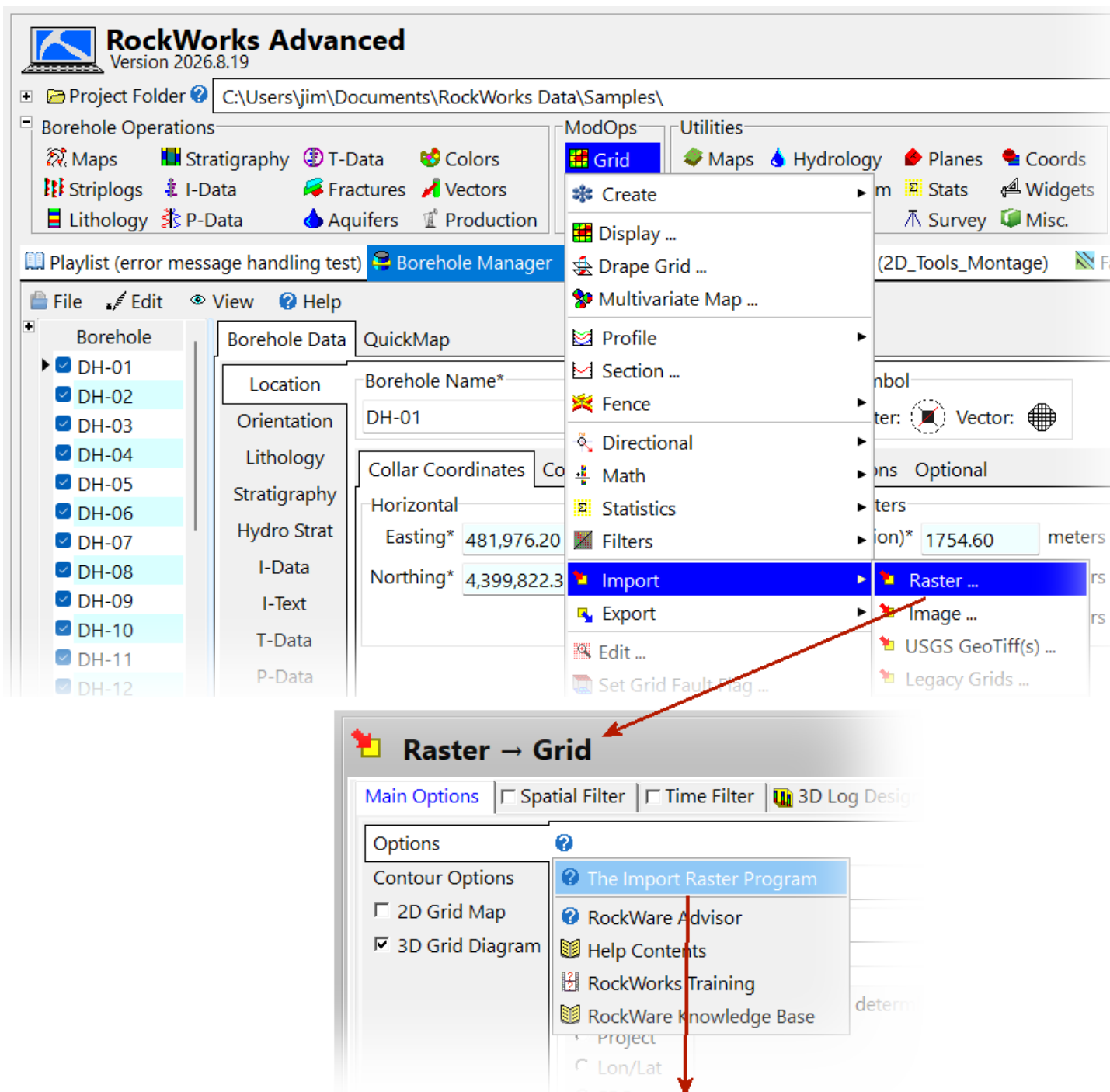
Note: These changes were included within the second 8/19/26 upload.

Cosmetic: The RockPlot3D program now displays a “**Loading diagram ...**” message while the program is loading a file.



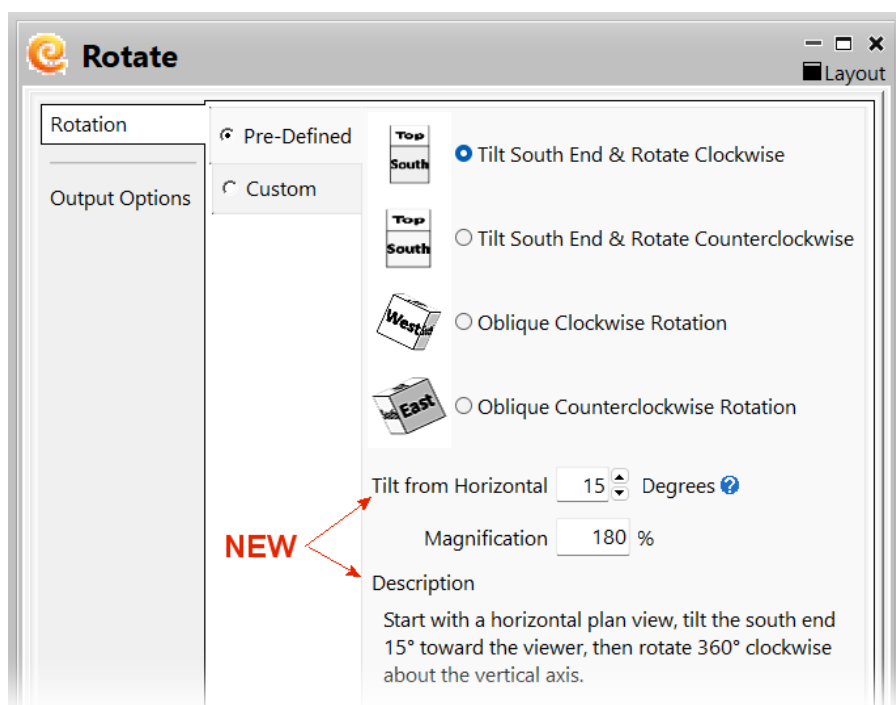
Cosmetic: Removed the redundant “Logs” subgroup from newly created standalone **3D Striplog diagrams**. Boreholes now appear directly beneath the group name specified in the Output options. Striplogs added to other diagrams retain the “Logs” subgroup.

Cosmetic: The ModOps | Grid | Import | **Raster** program menu now includes a help button that links to a web-based PDF that explains the purpose and usage of the program.



https://www.rockware.com/support/knowledge_base/The_Import_Raster_Program.pdf

New: Added a shared, user-adjustable **tilt setting** and dynamic descriptions to the four predefined 3D rotation animations within the RockPlot3D | Animations | Rotate | Pre-Defined sub-menu. In addition, a description that explains what the current configuration will do has been added to the base of the menu.



Examples of four different tilt angles: https://www.rockware.com/support/knowledge_base/Tilting_Angles_1.mp4

Fix: Incomplete Microsoft **Access / FireDAC SQL** files are now supported for project database schema validation, column repair, foreign keys, legacy table rebuilding, and database error handling.

Improvement: RockPlot2D now provides **Edit | Add** for map-type RW2D documents, including:

- Boreholes from Project Database, supporting Enabled or All boreholes
- Boreholes from the current Datasheet
- Polygons from datasheet data or project polygon tables

Added content is inserted into the current RW2D, participates in Undo, refreshes layers/extents, and marks the document modified. Commands are disabled for non-map diagrams.

Improvement: Added File -> Import Polygon now includes **DXF** support.

- The open table is automatically used as the import destination.
 - Existing table data is safely closed, imported, then refreshed.
 - Multi-polygon DXFs are rejected with guidance to use the standalone converter, since one Polygon table supports one polygon.
 - Loose DXF vertices retain the existing convex-hull fallback. See:
<https://www.youtube.com/watch?v=RXJKdh1KZ0w>
 - The destination-table controls are hidden during direct import.
-

Improvement: Added T-data Text options to the 2D striplog designer.

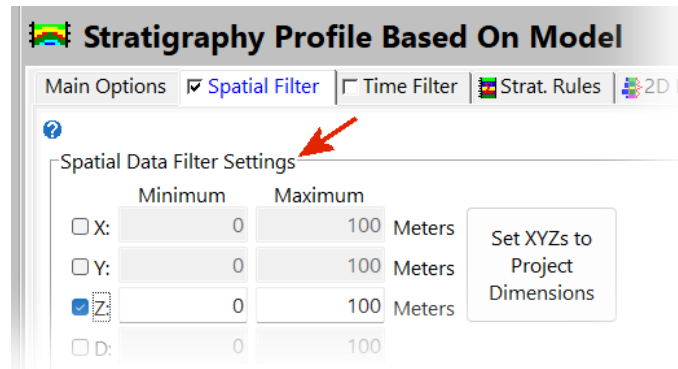
Fix: The **GeoTIFF Importer** now retains the source pixels that are closest to each output grid node thereby fixing the northwest displacement that was occurring during raster reprojection and resampling.

Fix: The following changes have been made to the RockPlot3D | Export | **Wavefront OBJ** program:

- Endpoint labels within continuous color-table legends are complete and correctly position, including the minimum label at the bottom of descending legends.
 - Continuous color-table legends no longer omit the first color interval when a colorless boundary label precedes the colored entries.
 - Pattern legend titles are now positioned above the first pattern block and are no longer obscured if the legends contain many items.
-

Fix: Errors encountered while **exporting multiple Borehole Manager tables to Excel** will now be displayed in a popup dialog as well as recorded in the Execution History.

Cosmetic: The group caption within the Spatial Filter menu now reads “Spatial Data Filter Settings” to clarify that the filter applies to input data rather than output-model dimensions.



New: Added Datasheet polygon support to **Solid Model Polygon Clipping**. Grid polygon clipping already supported Datasheet and RW2D polygon sources; existing RW2D solid polygon filtering remains available.

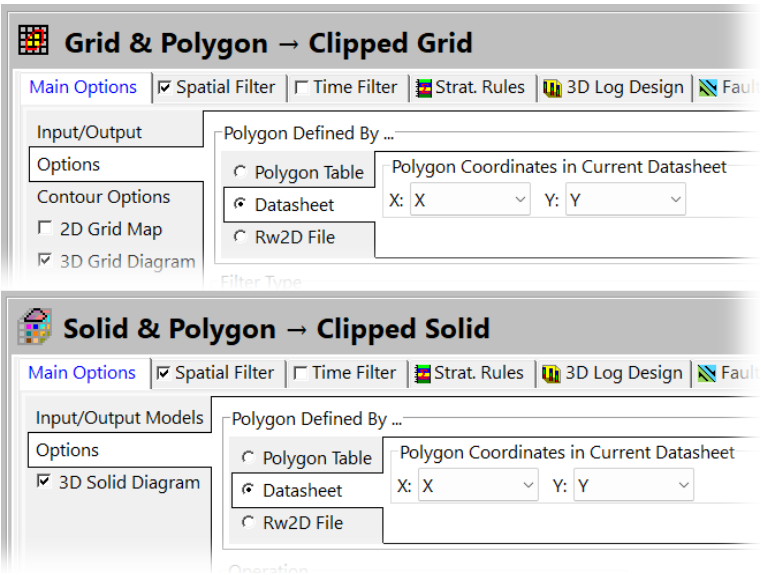
Fix: Fixed an access violation in the Utilities | **3D | Points** when proportional symbol size or color columns have assigned units, such as feet. Numeric proportional values now work regardless of their assigned units.

Fix: Point Symbols were “reinstated” to these 31 programs:

- Grid | Create: Contours → Grid, Shape Polygons → Grid, Single Elevation/Dip → Grid, ASCII LIDAR → Grid
- Grid | Display
- Grid | Directional: Slope Grid, Aspect Grid, Second Derivative
- Grid | Math: Grid Math, Grid Intersections, Thickness → Mass, Resample, First Derivative
- Grid | Filter: Boolean, Distance, Fill Sinks, Gradational Margins, Truncate, Minimum Area, Hi-Lo, Replace with Non-Null Nodes, Round, Smooth
- Solid | Extract Grid: Solid → Grid, Solid → Grids, Solid → Grade-Tonnage Grid, Solid → Thickness Grid, Solid → Total Waste Grid
- Solid: Plan Map, Surface Map
- Volume: Ore Grid, Thickness GT Grid, Elevations GT Grid

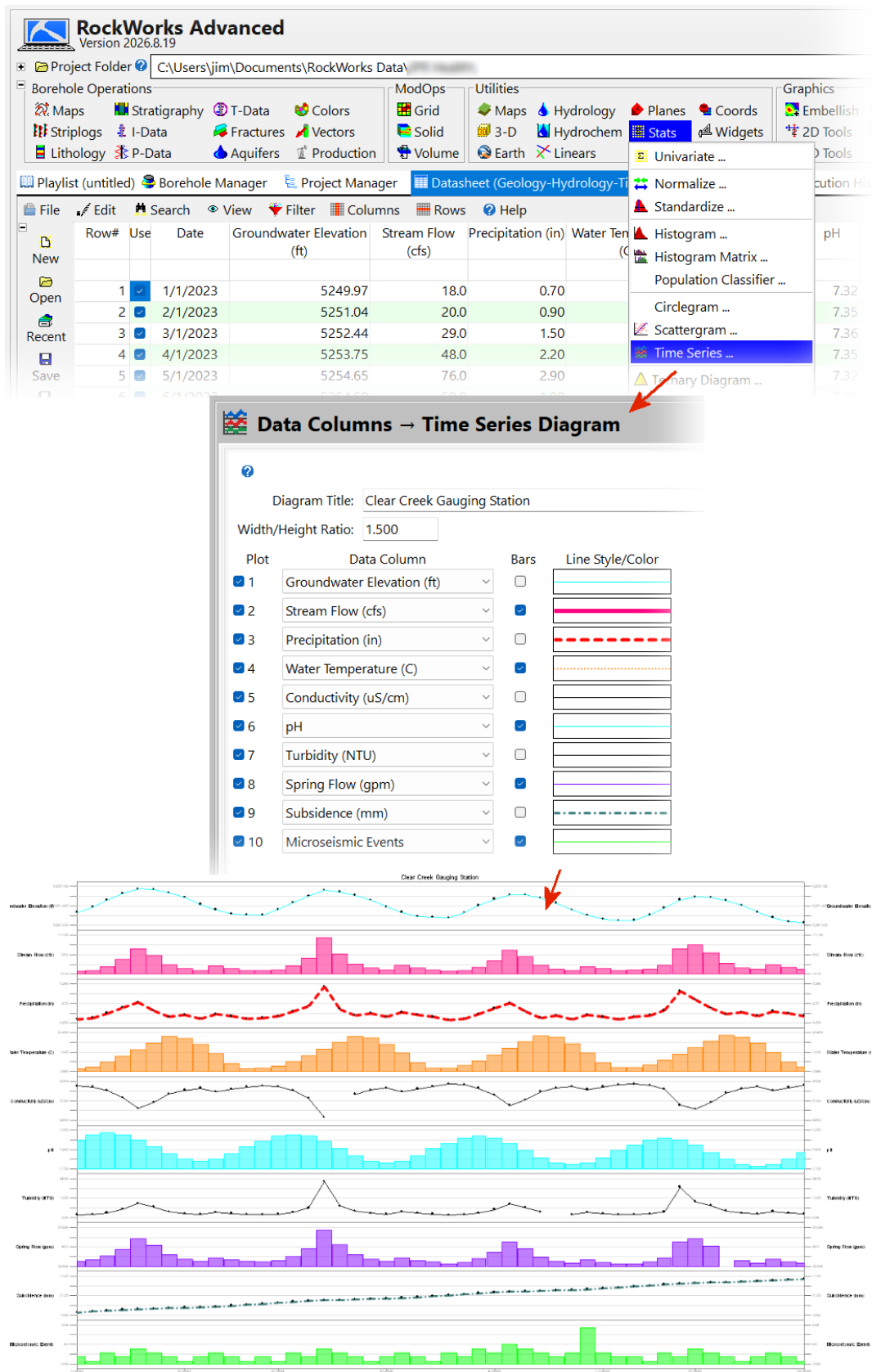
For most, Point Symbols uses the active Datasheet’s XY columns. The three Volume programs use their own Data Columns XY settings.

New: The ModOps | Grid | Filters | **Polygon Clip** and ModOps | Solid | Filters | Polygon Clip programs now support clipping boundaries based on a Polygon Table, Datasheet, or Rw2D file.



Improvement: Modernized and streamlined the data-import system, reducing its size by approximately 42% and improving the handling of CSV and Excel assay imports.

New: The **Time Series** program has been added to the Utilities | Stats pull-down list.



Time Series creates a RockPlot2D diagram containing up to ten vertically stacked tracks that share a date/time axis. Each selected numeric column becomes an independently configured track.

Datasheet (Geology-Hydrology-Time-Series)												
File Edit Search View Filter Columns Rows Help												
Row#	Use	Date	Groundwater Elevation (ft)	Stream Flow (cfs)	Precipitation (in)	Water Temperature (C)	Conductivity (uS/cm)	pH	Turbidity (NTU)	Spring Flow (gpm)	Subsidence (mm)	Microseismic Events
1	☒	1/1/2023	5249.97	18.0	0.70	5.2	587	7.32	3.9	41.3	0.00	1
2	☒	2/1/2023	5251.04	20.0	0.90	6.4	583	7.35	4.1	42.0	0.31	0
3	☒	3/1/2023	5252.44	29.0	1.50	8.7	567	7.36	5.1	43.9	0.60	2
4	☒	4/1/2023	5253.75	48.0	2.20	11.7	533	7.35	7.3	47.3	0.84	1
5	☒	5/1/2023	5254.65	76.0	2.90	14.9	484	7.32	10.5	52.1	1.04	3
6	☒	6/1/2023	5254.60	58.0	1.80	18.3	512	7.28	8.5	48.9	1.19	2
7	☒	7/1/2023	5253.94	34.0	1.00	21.4	551	7.24	5.7	44.6	1.32	1
8	☒	8/1/2023	5252.95	24.0	1.30	20.6	568	7.21	4.6	42.5	1.45	0
9	☒	9/1/2023	5251.58	20.0	0.80	17.4	577	7.20	4.1	41.5	1.60	1
10	☒	10/1/2023	5250.50	31.0	1.40	12.8	561	7.21	5.4	43.1	1.80	2
11	☐	11/1/2023	5249.67	25.0	1.10	7.9	573	7.24	4.7	42.1	2.04	1

Data sources: Plot the current RockWorks Datasheet, a delimited text/CSV file, or an Excel workbook. Text and Excel sources can use their first row as column titles, and Excel sources include worksheet selection.

Time filtering: Use the Time Filter tab to restrict the diagram to a selected date/time range before the tracks are generated.

Track options: Render each track as a curve or bars; optionally show adjustable black data-point symbols or fill the area below a curve. Each track has its own line style/color, fill color, automatic/manual/logarithmic vertical scale, manual minimum and maximum, and upward or downward value direction.


Data Columns → Time Series Diagram
Settings Example Favorites Playlist Layout

Time_Series_1.rwDat
?

Diagram Title:

Width/Height Ratio:

Plot	Data Column	Bars	Line Style/Color
☒ 1	2	☐	

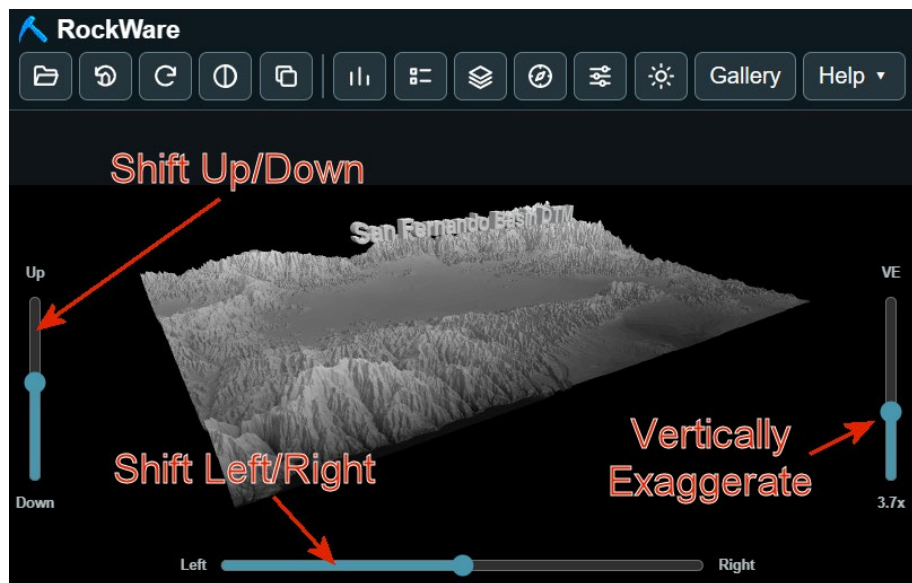
Diagram settings: Set the diagram title and title size, width/height ratio, and date/time labels above and/or below the diagram. Date/time labels include frequency, format, relative size, and horizontal, vertical, or diagonal orientation. The title is shifted automatically to avoid the upper labels.

Output options: Display the finished diagram in RockPlot2D, save it, and export it using the standard 2D output controls.

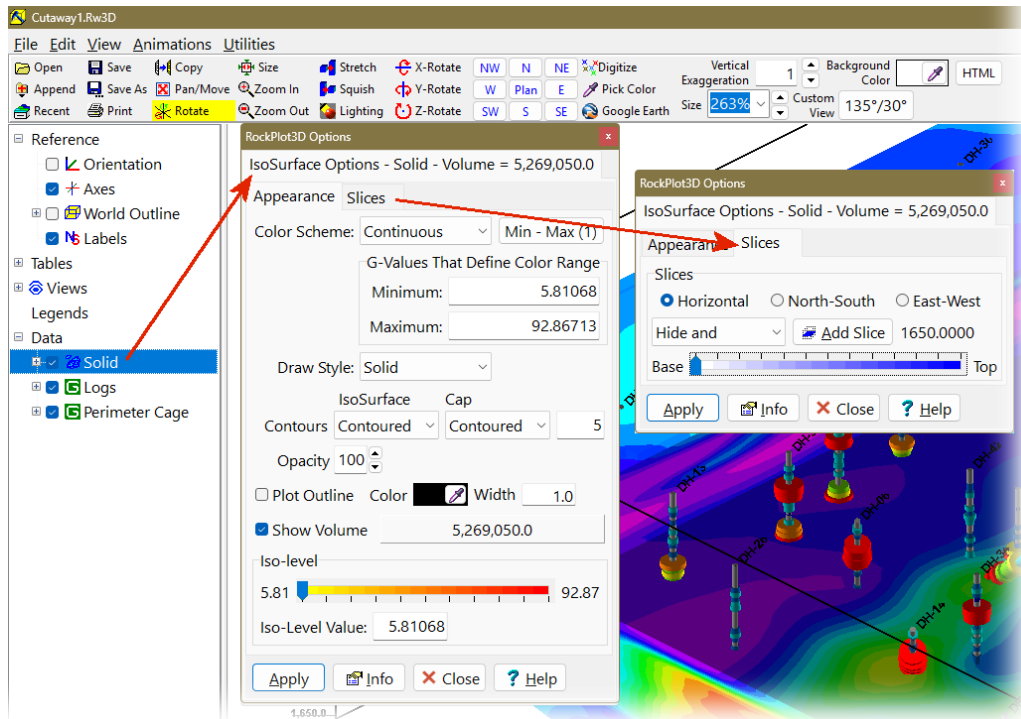
Sample data: Click Example and open Time_Series_1.rwDat from the Samples folder. The bundled synthetic hydrogeological dataset includes groundwater elevation, stream flow, precipitation, water temperature, conductivity, pH, turbidity, spring flow, subsidence, and microseismic-event tracks.

Fix: When exporting multiple LogPlot LDAT8 files, the option to use the same pattern choice for subsequent keyword conflicts is now retained across all files in the export.

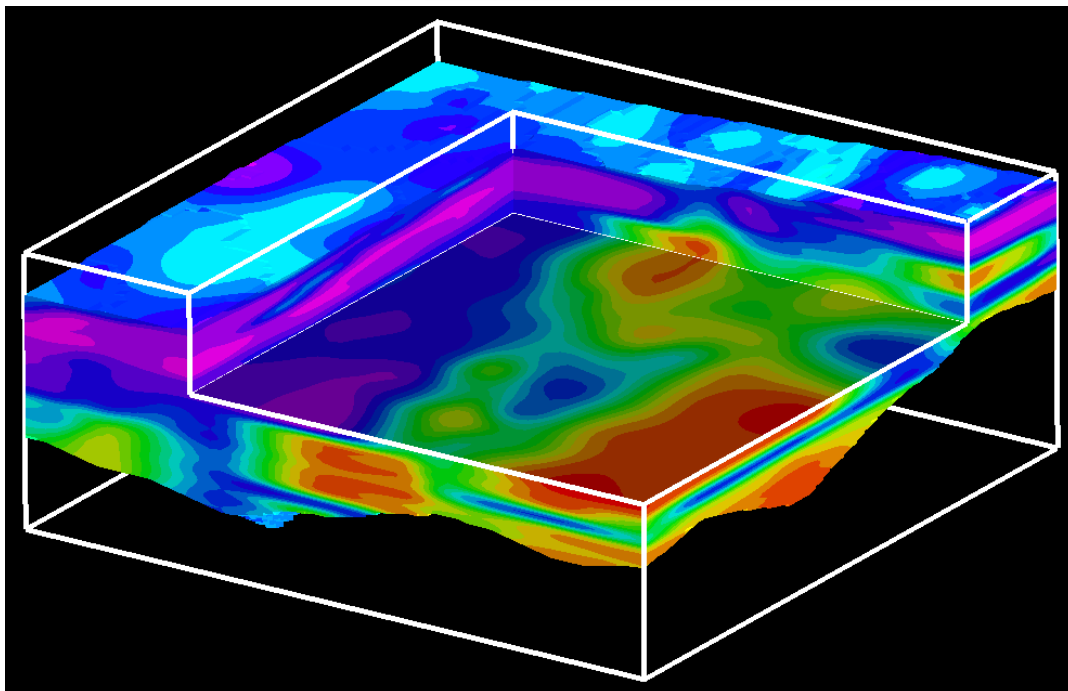
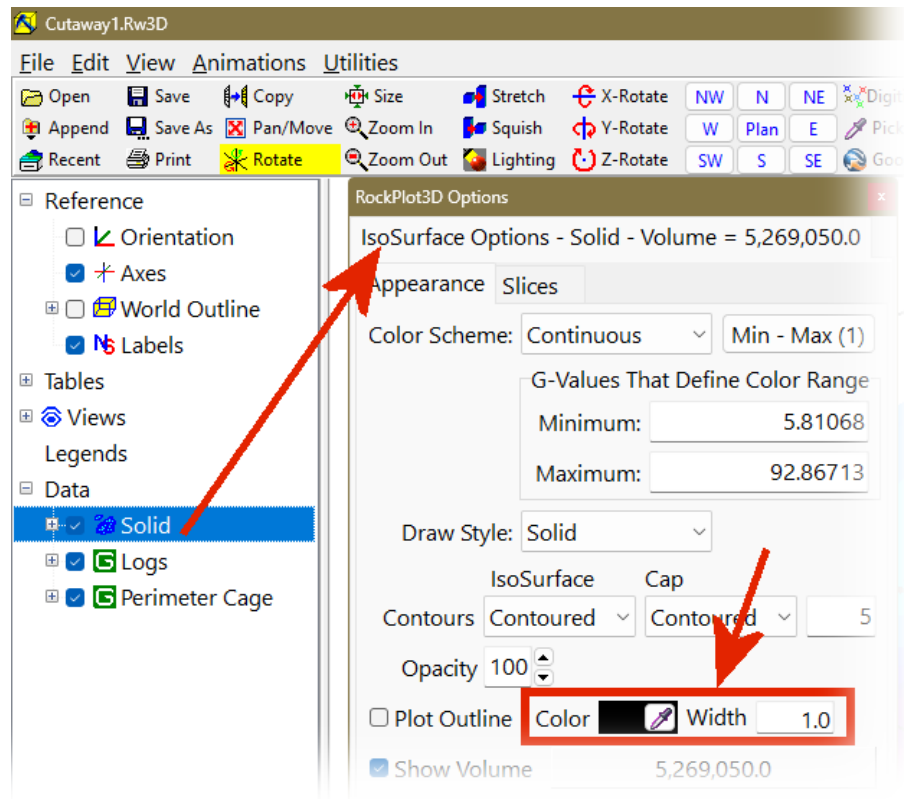
Improvement: “Sliders” have been added along the edges of the web-based **3D Viewer** for shifting diagrams left/right and up/down and for adjusting vertical exaggeration. These controls synchronize with the View panel and support individual double-click and full-view resets.



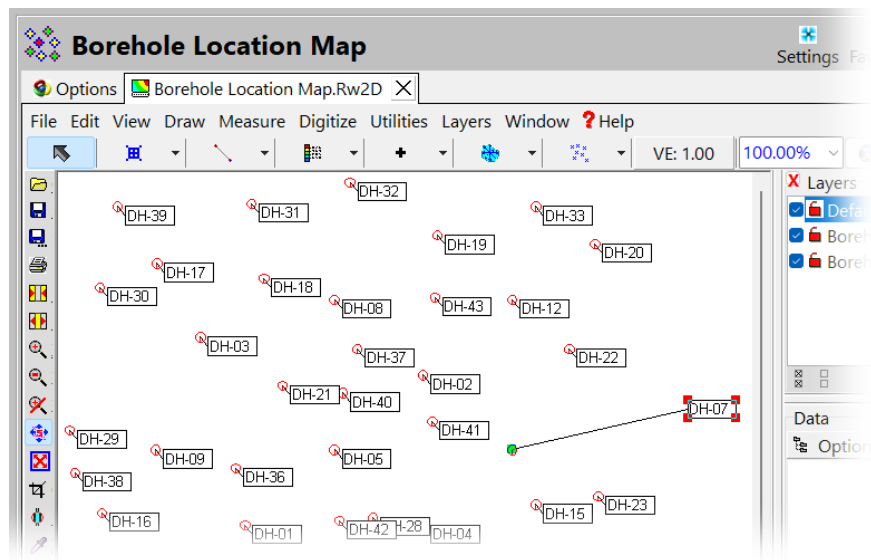
Cosmetic: The RockPlot3D IsoSurface Options menu now has been split into two tabs labeled “Appearance” and “Slices” to accommodate forthcoming new features.



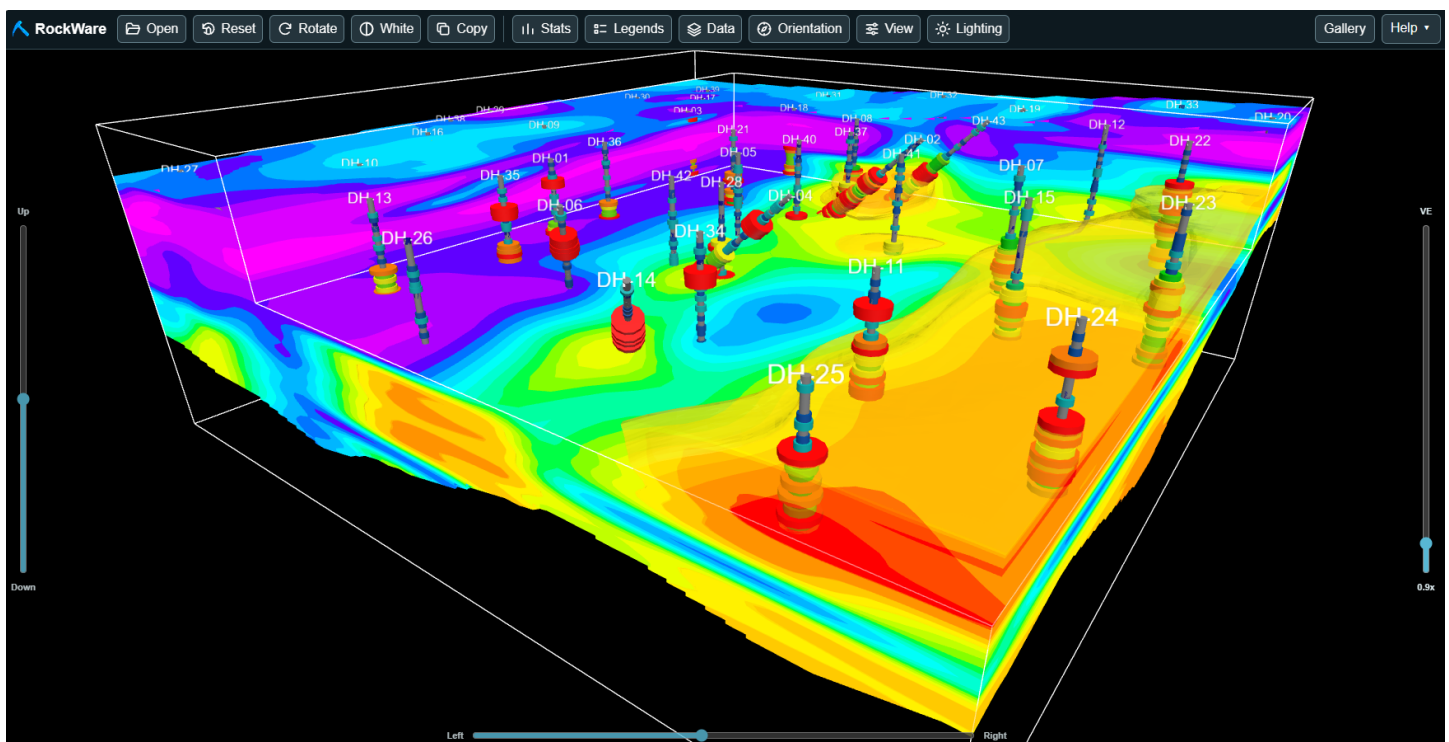
New: The RockPlot3D IsoSurface Options menu now includes an option that provides the user with a way to control the color and the width of the **block model outline**. In addition, the block model outline now shows the cutout edges.



Fix: Symbol **labels** may now be dragged to other locations. Leader-lines will follow suit. This capability was inadvertently broken within the previous release.



New: The 3D Web Viewer can now display **cutout** views within block models.



Fix: Fixed Project Dimensions unit label to display output units instead of XY input units.

Change: Fixed Borehole Manager composite I/P/T pages to share a single Elevation/Collar depth reference by data kind, including automatic reconciliation of older project settings.

Fix: Corrected reversed Top and Center vertical placement for I-Text columns in 2D Striplogs.

Fix: Fixed a crash when pasting a copied Playlist item into the middle of a Playlist.

Fix: When exporting multiple LogPlot LDAT8 files, the option to use the same pattern choice for subsequent keyword conflicts is now retained across all files in the export.