



PRO

Petrosys Group

PRO v2026.1.1
Release Notes

Explore. Integrate. Innovate.



Petrosys PRO v2026.1.1

Release Notes Overview

Petrosys PRO v2026.1.1 builds on the core strengths of PRO with targeted enhancements across interactive mapping workflows, output quality, spatial accuracy, and platform support. This release focuses on improving usability, consistency of results, and alignment with modern subsurface environments, while continuing to support large and complex datasets at scale. PRO v2026.1.1 introduced a refreshed look and feel, aligning the product with the evolving Petrosys Group branding.

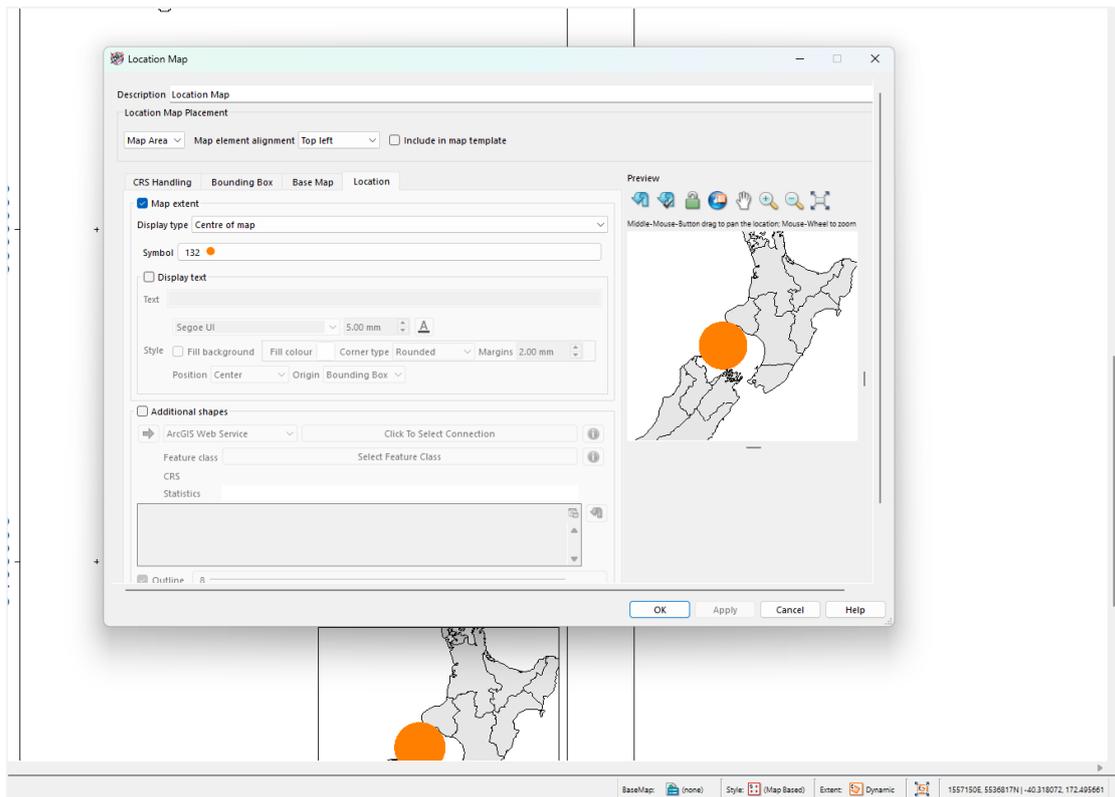
Highlights include:

- Interactive location maps
- Improved interactive map element placement
- Raster image creation from grid data
- Updated EPSG CRS data
- Linux installer enhancements
- Feature streaming

Key enhancements in v2026.1

Interactive location maps

Location maps have been enhanced to provide greater control and accuracy during map creation. Users can now define the Area of Interest (AOI) interactively, fix location map extents for consistent views, and rely on improved preview behaviour. These updates reduce manual adjustment and help ensure the final output matches what is seen during interactive editing.



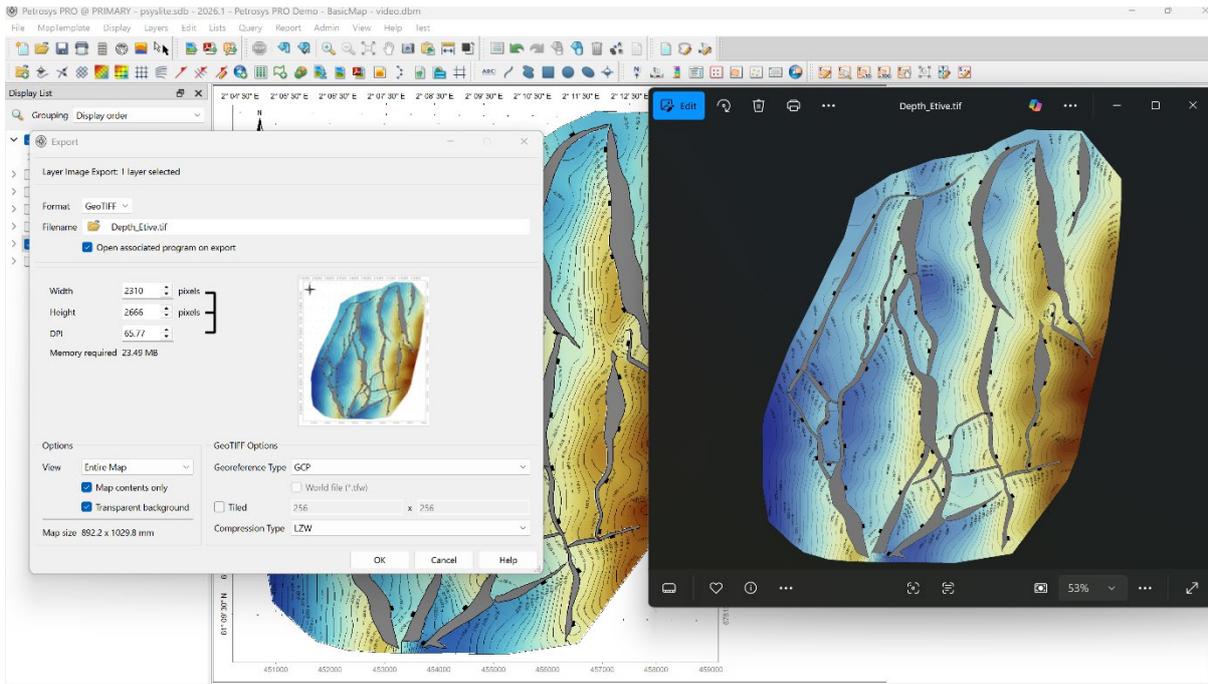
Interactive Location Map with AOI and fixed extent

Improved interactive map element placement

Refinements to interactive map element placement make it easier to position, adjust, and fine-tune map components during editing. These improvements support faster layout refinement and reduce the need for repeated adjustments when producing presentation-ready maps.

Raster image creation from grid data

PRO v2026.1 introduces the ability to export individual grid layers directly to high-quality raster images. This allows users to move efficiently from large grid datasets to presentation-ready outputs for reports, technical reviews, and external sharing, while preserving map symbology and standards.



Raster image generated directly from grid data

Updated EPSG CRS data

The EPSG coordinate reference system dataset has been updated to the latest available version, improving accuracy and consistency when working across different spatial reference systems. This update strengthens interoperability with third-party applications and reduces the risk of CRS mismatches in integrated workflows.

Linux installer enhancements

Improvements to the Linux installer provide more reliable detection of existing installations and smoother setup behaviour. These changes simplify installation and upgrade processes in enterprise Linux environments.

Feature streamlining

As part of ongoing platform evolution, selected legacy features and platform support have been retired in this release. This streamlining helps maintain focus, performance, and security, ensuring PRO continues to meet the needs of current workflows and environments.

Detailed Release Notes Summary PRO 2026.1.1

Enhancements

Mapping - GIS, Spatial and Culture

[87015](#) Statistics reporting for GIS shapes (including line length, polygon area)

[86329](#) Display/GIS style and format are retained when replacement files are selected

Surface Modeling - General

[86713](#) Added options for adjusting compression when writing out to export formats

Detailed Release Notes Summary PRO 2026.1.1

Bug Fixes

Application - General

- [86933](#) Fixed error messages on reading settings files in write protected Local directory
- [87050](#) libpq library updated to version 18.1 (Windows)
- [87010](#) OpenSSL library updated to version 3.6.1 (Windows)
- [87009](#) PNG library libpng updated to version 1.6.54

Mapping - General

- [86984](#) Display/Legend layers from previous versions are opened correctly
- [86918](#) Display/Location Map no longer shows popup error when using a web service base map

Surface Modeling - General

- [86960](#) File crawler handles invalid file timestamps

Surface Modeling - Workflows/Scripting

- [86949](#) Fixed progressive slowdown during looping tasks

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Detailed Release Notes

Application - General

Bug Fixes

Fixed error messages on reading settings files in write protected Local directory 86933

On some Linux systems that have a write protected Local directory (\$ps_local), when reading the xml settings file an error of the form "QIODevice::write(..) device not open error" was shown in the console.

This has been fixed by now writing the locking files to a temporary always writable directory.

libpq library updated to version 18.1 (Windows) 87050

The version of libpq has been updated to 18.1.

OpenSSL library updated to version 3.6.1 (Windows) 87010

The version of OpenSSL has been updated to 3.6.1.

PNG library libpng updated to version 1.6.54 87009

libpng, the PNG handling library used in Petrosys has been updated to 1.6.54 to address several potential security issues in the previous version.

CVEs addressed:

- CVE-2025-66293
- CVE-2026-22695
- CVE-2026-22801

Mapping - General

Bug Fixes

Display/Legend layers from previous versions are opened correctly 86984

In Petrosys PRO 2026.1, certain legend layers saved in previous versions of Petrosys PRO did not display correctly when loaded.

Display/Location Map no longer shows popup error when using a web service base map 86918

In Petrosys PRO version 2026.1, displaying a location map with a web map service basemap would result a popup error shown when a shape file was also displayed.

[Mapping - GIS, Spatial and Culture Enhancements](#)

Statistics reporting for GIS shapes (including line length, polygon area) 87015

A summary of shapes from GIS sources is available from the following options

- Mapping/Reports/GIS/Shape Summary
- Display/GIS Shape Summary RMB option

The summary includes attribute values for all shapes, along with length (for lines), area and perimeter (for polygons).

The Shape Summary dialog replaces the previous Polygon Area & Centroid Display/GIS RMB menu option.

Display/GIS style and format are retained when replacement files are selected

86329

In previous PRO versions, style and annotation information would be lost when replacement files for Display/GIS layers were selected (for example, when referenced files had been moved or renamed).

[Surface Modeling - General](#) [Enhancements](#)

Added options for adjusting compression when writing out to export formats

86713

The Draw Map option now supports setting the compression level used when exporting PNG, TIFF, JPG and PDF files.

[Surface Modeling - General](#)

[Bug Fixes](#)

File crawler handles invalid file timestamps

86960

Fixed crash when reading file modification timestamp and the timestamp is invalid or corrupted.

[Surface Modeling - Workflows/Scripting](#)

[Bug Fixes](#)

Fixed progressive slowdown during looping tasks

86949

In previous versions, looping tasks such as kriged grid creation experienced progressive slowdown with each iteration due to task parameters accumulating duplicate fields. This is now fixed.

Detailed Release Notes Summary PRO 2026.1

Enhancements

3D Viewer - General

[85646](#) Added 3DViewer Top and Bottom view functionality

Application - ArcGIS Pro Add-In

[85735](#) Support dropped for Petrosys Add In for ArcGIS Pro 2.9 and 3.0

Application - General

[84468](#) Support ceased for Red Hat Enterprise Linux 7

[82259](#) Native Red Hat Enterprise Linux 9 (rhel9)

[82931](#) Support removed for FlexLM installation

Configuration - General

[86632](#) Linux Installer improves detection of the existing install directory

Configuration - Licensing

[85281](#) New license file required to run Petrosys PRO 2026.1

[86752](#) PRO Licensing - Implemented Advanced Connector license keys

[86191](#) Update Reprise installer to support Unicode

Connections, Import and Export

[86707](#) Additional OAuth2 authentication options supported for OSDU

[85775](#) Renamed IHS Petra to Petra

Connections, Import and Export - Aspen

[86886](#) Added support for Aspen Epos 19 on Red Hat Enterprise Linux 9

[85702](#) Renamed Paradigm to Aspen and Paradigm-EPOS to Aspen Epos

Connections, Import and Export - Esri

[84622](#) Changes to support for ArcSDE databases

Connections, Import and Export - Kingdom

[17652](#) Support added for importing Kingdom .clb colour bars to Petrosys Gradients

[85772](#) Rename IHS Kingdom to Kingdom

Connections, Import and Export - Paradigm-Epos

[86762](#) Improved performance of transferring Paradigm well logs to dbMap (Santos)

[86698](#) Santos - Added support for well log constants to Paradigm connector

Connections, Import and Export - Petrel

[86753](#) Core ID for Side Wall Core now stored in exchange from dbMap to Petrel

Coordinate Reference Systems

[84535](#) EPSG CRS data upgraded to version 12.17

[85820](#) Improvements to third-party CRS matching

dbMap - Client

[85267](#) dbMap wells - Added ability to display Loggers TD, Max TVD, Completion Date and Abandonment Date in well list (Santos)

Mapping - Editors

[38244](#) Improvements to interactive map element placement

Mapping - General

[86280](#) Location map improvements

[84001](#) Individual layer exported to raster image

[86467](#) Removed FaultRisk support

- [84621](#) ECW updated to version 5.5; support removed for ECW and JPEG2000 output
- [73987](#) WMS support only available via the Display/Web Map Service option

Mapping - Publication

- [86259](#) Petrosys WMS Server is no longer supported

Mapping - Wells

- [86473](#) Added options to filter well layer from Interactive Petrophysics (IP) by selection list
- [75547](#) Log signature display allows headers to be disabled

Spatial Data Translator

- [86910](#) New filtering options ISEMPY, ISNOTEMPTY added

Surface Modeling - Gridding

- [86792](#) Added support for gridding from Ikon RokDoc wells

Detailed Release Notes Summary PRO 2026.1

Bug Fixes

Application - General

- [82630](#) Linux Installer sets permissions and group to installing user
- [86747](#) Diagnostics log file is more reliably flushed making sure most recent messages are recorded
- [85370](#) libssh updated to version 0.11.3 (Windows)
- [85761](#) OpenSSL library updated to version 3.5.4 (Windows)
- [86044](#) PostgreSQL client library (libpq) version updated
- [86842](#) SQLite upgraded to version 3.51.0
- [86643](#) Upgrade GDAL from 3.6.3 to 3.11.4 [libexpat, libtiff, libpng]
- [82963](#) Upgraded Oracle instantclient library

Connections, Import and Export

- [86679](#) Improved stacking velocity preview with small shotpoint ranges
- [86777](#) Possible crashes fixed when connection failed

Connections, Import and Export - Petrel

- [86778](#) Cached Petrel connection issue fixed

Mapping - General

- [86554](#) Preview for gradients using radial interpolation method are drawn correctly
- [75407](#) Display/Web Map Service panel allows basic authentication fields to be entered correctly
- [86623](#) Improved support for TIFF transparency

Mapping - GIS, Spatial and Culture

- [85315](#) Fixed Display/GIS Paleoscan polylines

Mapping - Wells

- [86812](#) DUG log signature overpost corrections for markers reloaded into correct positions

Surface Modeling - General

- [86715](#) DPI setting for output TIFF images set incorrectly when done through a task list

Surface Modeling - Gridding

- [86174](#) Seismic SDF layer gridding allows second horizon not to be selected for TWT and DEPTH

Wells (WDF) Editor

- [85957](#) WDF SQLite upgrade application is no longer available

Petrosys Release PRO 2026.1

Detailed Release Notes

[3D Viewer - General](#) [Enhancements](#)

Added 3DViewer Top and Bottom view functionality⁸⁵⁶⁴⁶

Added scene Top and Bottom view functionality.

[Application - ArcGIS Pro Add-In](#) [Enhancements](#)

Support dropped for Petrosys Add In for ArcGIS Pro 2.9 and 3.0 ⁸⁵⁷³⁵

Esri has dropped support for these versions, so the Petrosys PRO Add-In is no longer available.

[Application - General](#) [Enhancements](#)

Support ceased for Red Hat Enterprise Linux 7 ⁸⁴⁴⁶⁸

Support is no longer available for Red Hat Enterprise Linux 7. Please use either Red Hat Enterprise Linux 8 or 9 versions.

Native Red Hat Enterprise Linux 9 (rhel9) ⁸²²⁵⁹

Petrosys PRO is now available as a native Red Hat Enterprise Linux 9 version.

Support removed for FlexLM installation ⁸²⁹³¹

The RLM license manager is the preferred method for Petrosys licensing. The previous FlexLM license method is still supported at this time, but is not available for new installations.

[Application - General](#)

[Bug Fixes](#)

Linux Installer sets permissions and group to installing user ⁸²⁶³⁰

The Linux installer now sets the owner and group of all installed files to follow the installing user, which is generally recommended to be root super-user. File permissions are set to read-and-execute for group and other users, except for certain configuration options in \$ps_local (for new installs only). Installing users are encouraged to consider their particular needs and adjust access to configuration files as appropriate to their environment.

Diagnostics log file is more reliably flushed making sure most recent messages are recorded ⁸⁶⁷⁴⁷

When enabling diagnostics, the file is now written more reliably. This means the last messages are always written when the application crashes or the file is copied before the application is exited.

libssh updated to version 0.11.3 (Windows) ⁸⁵³⁷⁰

libssh is a standard library used for remote connections. The version of this library has been updated to improve security and address known vulnerabilities.

OpenSSL library updated to version 3.5.4 (Windows)⁸⁵⁷⁶¹

The OpenSSL library is a standard library used for encryption. This library has been updated to version 3.5.4 for improved security and performance.

PostgreSQL client library (libpq) version updated ⁸⁶⁰⁴⁴

The PostgreSQL library has been updated to use version 17.6 on Windows and the system libraries on Linux (typically 13.20). This update fixes a potential crash on exit after accessing SDE data stored in a PostGIS database.

SQLite upgraded to version 3.51.0 ⁸⁶⁸⁴²

The version of SQLite has been upgraded to improve security and performance.

Upgrade GDAL from 3.6.3 to 3.11.4 [libexpat, libtiff, libpng] ⁸⁶⁶⁴³

The following third-party libraries have been upgraded (for improved security and functionality):

- GDAL 3.11.4
- GeoTIFF 1.7.4
- Proj 9.7.0
- TIFF 4.7.1 (Windows and rhel8 only)
- Pdfium 7047 (Windows only)
- Expat 2.7.3
- PNG 1.6.51 (Windows only)

Please note that system libraries are used on Linux where this is technically possible.

Upgraded Oracle instantclient library ⁸²⁹⁶³

Oracle libraries upgraded to 21.18.

[Configuration - General](#) [Enhancements](#)

Linux Installer improves detection of the existing install directory ⁸⁶⁶³²

The Linux installer now can find an existing install root directory more reliably, streamlining the update process.

[Configuration - Licensing](#) [Enhancements](#)

New license file required to run Petrosys PRO 2026.1⁸⁵²⁸¹

Petrosys PRO 2026.1 requires updated license keys. Please contact Petrosys support if you have not received your updated licenses.

PRO Licensing - Implemented Advanced Connector license keys ⁸⁶⁷⁵²

Petrosys PRO now requires specific license keys to connect to specific data sources that are in the "Advanced Connector" bundle. Please contact [Petrosys support](#) for more information.

Update Reprise installer to support Unicode ⁸⁶¹⁹¹

The Reprise License Manager installer can now install to a path that include non-ASCII characters.

[Connections, Import and Export](#) [Enhancements](#)

Additional OAuth2 authentication options supported for OSDU 86707

The OSDU authentication options have been extended to include both OAuth2 Client Credentials and OAuth2 Authorization Code. This is in addition to AWS Cognito and Bearer token authentication.

Renamed IHS Petra to Petra

85775

Renamed "IHS Petra" connections to "Petra".

[Connections, Import and Export](#)

[Bug Fixes](#)

Improved stacking velocity preview with small shotpoint ranges 86679

Stacking velocity preview screen can now show the data properly by dynamically adjusting the horizontal scale based on shotpoint increment.

Possible crashes fixed when connection failed 86777

Some possible crash scenarios when data connections were not able to be made have been fixed.

[Connections, Import and Export - Aspen Enhancements](#)

Added support for Aspen Epos 19 on Red Hat Enterprise Linux 9 86886

Connection to Aspen Epos 19 on Red Hat Enterprise Linux 9 is now supported.

Renamed Paradigm to Aspen and Paradigm-EPOS to Aspen Epos 85702

Paradigm-EPOS connections have been renamed to Aspen Epos.

[Connections, Import and Export - Esri Enhancements](#)

Changes to support for ArcSDE databases 84622

This version includes changes to the way data is read from Esri ArcSDE databases.

The default method in previous versions was to use an Esri provided software library to read data from an ArcSDE database. This is no longer supported by Esri and does not work with newer versions of databases.

The alternative to read ArcSDE data has been optionally available for a number of releases (and is required for certain database versions) is now the only method available.

There are two important points to note regarding this:

- ArcSDE raster images are no longer supported (usage of these has largely been replaced by web service images).
- ArcSDE running on Oracle requires the Esri "shapelib" extension to be installed

[Connections, Import and Export - Kingdom Enhancements](#)

Support added for importing Kingdom .clb colour bars to Petrosys Gradients 17652

Added in the ability to import Kingdom color bars in .clb format to Petrosys gradients. Use the Import/Kingdom .clb option in the /Edit/Gradient option in Mapping

Rename IHS Kingdom to Kingdom

85772

Renamed "IHS Kingdom" connections to "Kingdom".

[Connections, Import and Export - Paradigm-EposEnhancements](#)

Improved performance of transferring Paradigm well logs to dbMap (Santos)

86762

The performance of Well log exchange from Paradigm to dbMap has been improved.

It also avoids creating duplicated LAS files when incoming log curve data hasn't changed.

Santos - Added support for well log constants to Paradigm connector

86698

When reading well log curves from Paradigm the curve-set constants are now read, and written to parameter section of LAS files when writing to dbMap.

[Connections, Import and Export - Petrel Enhancements](#)

Core ID for Side Wall Core now stored in exchange from dbMap to Petrel

86753

When exchanging Side Wall Core data from dbMap to Petrel, the core ID has now been updated to reflect the value shown in dbMap.

Connections, Import and Export - Petrel

Bug Fixes

Cached Petrel connection issue fixed

86778

An issue that could occur with cached Petrel connections has been fixed.

[Coordinate Reference Systems Enhancements](#)

EPSG CRS data upgraded to version 12.17

84535

The EPSG CRS database has been upgraded to version 12.17. This includes support for multiple new coordinate systems.

For Oracle databases, upgrades will be rolled out on an individual basis by Petrosys support.

For SQLite databases, the upgrade will be applied automatically when Windows version is installed. The upgrade can be applied manually using the Mapping/Admin/Upgrade database option, which also shows the version of the database.

The new version of the EPSG database contains some changes to database tables. The upgraded 2026.1 version is compatible with PRO 2024.2, but is not compatible with earlier versions of Petrosys PRO.

Improvements to third-party CRS matching

85820

Several improvements to how third-party CRSs (e.g. from well known text) are matched to existing CRSs in the Petrosys database:

- Improved checking for very small differences in parameters, including for OpenWorks where stored CRSs have less numerical precision
- Improved handling of alternative units (for example, non standard combinations of decimal vs sexagesimal degrees)
- Directly matching OpenWorks CRSs with a defined EPSG code

dbMap wells - Added ability to display Loggers TD, Max TVD, Completion Date and Abandonment Date in well list (Santos) 85267

The ability to display Loggers TD, Max TVD, Completion Date and Abandonment Date in dbMap well list has been added for Santos.

Improvements to interactive map element placement38244

The display of interactive map layers (for example, scale bars, north arrows, legends, etc) in Petrosys PRO 2026.1 has been improved. Previous versions of PRO left "ghosted" copies of these items, which made interactive placement and resizing difficult to achieve.

Location map improvements

86280

Location maps in Petrosys PRO 2026.1 have been enhanced in some significant ways:

- Significantly faster performance and improved interactivity.
- Better control over annotation properties, which is also now shown on the preview.
- The preview matches the displayed map a lot more closely.
- Location maps are fitted correctly inside their border when drawn on maps (previously a small outline could sometimes be observed).
- Better matching of text size for dbm basemaps.
- Support for location maps with "fixed" AOIs - the selected AOI is maintained when the location map is applied via a map template.
- Support for text to be positioned outside the boundary of the location box.
- Support for displaying the location using a symbol instead of a box, which is useful for display on a relatively large AOI.

Individual layer exported to raster image

84001

Petrosys PRO mapping now allows an individual layer (or selection of layers) to be exported to a raster image. This functionality can be accessed via an RMB menu option. Similar options are available as per File/Export/Raster, along with a new option to enable background transparency (for output formats that support this).

Removed FaultRisk support

86467

Removed FaultRisk statistical tool from Mapping.

ECW updated to version 5.5; support removed for ECW and JPEG2000 output

84621

The library used by Petrosys to read ECW files has been upgraded to the latest version 5.5. This fixes a potential problem where PRO mapping could crash on exit after displaying an ECW file.

The 5.5 version of this library has different licensing requirements to the previous version, meaning that support for writing ECW and JPEG2000 has been removed. GeoTIFF is recommended as an alternative image output format. If you have a specific need to output to ECW or JPEG2000, please contact Petrosys support.

WMS support only available via the Display/Web Map Service option

73987

Petrosys PRO Mapping has supported display of WMS images via the Display/Picture/Raster option since version 16.7.

In version 17.8, the Display/Web Map Service option was added which offers an improved method to display WMS services, along with additional tiled formats such as WMTS.

In PRO version 2026.1, WMS support has been removed from Display/Picture/Raster and will subsequently be available only in the Display/Web Map Service.

Existing dbm files containing Display/Picture/Raster WMS layers will be automatically upgraded to a Web Map Service layer.

Mapping - General

Bug Fixes

Preview for gradients using radial interpolation method are drawn correctly

86554

In previous versions of Petrosys PRO, gradients using radial interpolation could be drawn incorrectly when displayed on a color bar or in the gradient selector. The incorrect display would be more likely to appear for gradients with very few knee points.

Display/Web Map Service panel allows basic authentication fields to be entered correctly

75407

When trying to enable basic authentication (username and password) in previous version of Petrosys PRO, the Display/Web Map Service dialog did not initially display the correct user interface.

Improved support for TIFF transparency

86623

Support for TIFF images with transparency has been improved in Petrosys PRO. Transparent TIFF images are now supported in the following contexts:

- Display/Picture/Raster
- Georeferenced image output

Mapping - GIS, Spatial and Culture

Bug Fixes

Fixed Display/GIS Paleoscan polylines

85315

Display/GIS works correctly for Paleoscan polylines

Mapping - Publication

Enhancements

Petrosys WMS Server is no longer supported

86259

This functionality is no longer available from Petrosys PRO 2026.1 onwards.

Mapping - Wells

Enhancements

Added options to filter well layer from Interactive Petrophysics (IP) by selection list

86473

IP wells can now be filtered and displayed using IP datasource selection files obtained through the Lists/Well/IP functionality.

Log signature display allows headers to be disabled

75547

Display/Wells has been enhanced to include an option to disable display of the header line when displaying log signatures.

DUG log signature overpost corrections for markers reloaded into correct positions 86812

In previous versions of PRO, overpost corrections made to marker text on log signature display could sometimes be applied incorrectly.

New filtering options ISEMPTY, ISNOTEMPTY added 86910

Added "Is Empty" and "Is Not Empty" filter operators. Users can now filter data by empty and non-empty values.

DPI setting for output TIFF images set incorrectly when done through a task list 86715

TIFF image DPI is now set correctly when created through a Surface Modeling task list.

Added support for gridding from Ikon RokDoc wells 86792

Added Ikon RokDoc wells datasource to gridding module.

Seismic SDF layer gridding allows second horizon not to be selected for TWT and DEPTH 86174

Layer gridding from Seismic allows the second input horizon not to be selected (leaving it blank) for input data types TWT and DEPTH.

WDF SQLite upgrade application is no longer available 85957

The database technology used to implement the Petrosys WDF database changed in 17.4 (released in 2013) from CTree to SQLite. An application has been provided since then to upgrade from the old format to the new format. The WDF upgrade application is no longer included in the standard install. If you have a need for this (e.g. for data retrieved from archive) please use an earlier version or contact Petrosys support.