

Surfer 31.4.342 (July 20, 2026)

New Features and Improvements

- Added and enabled the 3D View command to the right-click context menu for child objects in
- Base/Drillhole layers and Axes3D View: Water level should remain static

Fixes

- 3D View: Camera: Initial Z target is far from Z axis range
- Assign Coordinate System: "Currently in use" doesn't work for grouped maps
- Assign Coordinate System: coordinate system isn't found in search a second time, and "Currently in use" disappears after clearing the search
- Crash when creating a base layer from a SHP
- Crash when importing a TIF file
- Crash when opening SRF file
- DXF Export:
 - export filled polygons with 0% opacity with no fill
 - restore separate GSLAYER layer for Map Frame and Tick Marks
 - text is now exported as TEXT objects instead of MTEXT objects
- DXF Import:
 - files with long comment headers are unrecognized as supported files
 - 3D geometry is loaded as 2D
 - not retaining the ZLEVEL data on 2D polygons
 - nothing is imported
 - some objects are really large
 - text is missing and colors are different
 - when you import multiple DXFs, it always imports layers into separate layers (even if option is disabled)
 - white background for patterned fill imports as black

- Internal Error when DXF/DWG ellipse entity is inverted (TrGraphics.cpp)
- Internal Error with Mesh vertex index underflow when loading a DXF file (PolymeshData.cpp)

Surfer 31.3.316 (June 5, 2026)

New Features and Improvements

- 3D View: 3D PDF Export: Drillholes could be grouped by Hole ID in model tree
- 3D View: Drillhole contacts: moving contact points should also select it
- Assign Coordinate System: added a "Currently In Use" section
- Assign Coordinate System: SPCS NAD83 (US Feet): update any deprecated ESRI codes to use EPSG codes
- Consistent terminology: Title vs Title text vs Text
- Context menu: Add to Map: layer types are now listed alphabetically
- Context menu: added New Map option when right clicking over empty space in plot window
- Context menu: switched the positioning of Duplicate and Delete
- DWG Import: When file is open in another program Surfer says 'Import is not supported'
- DXF Export: include older AutoCAD versions under File compatibility
- Grid Data: Export Options | Spatial References should default to at least one option selected if a coordinate system is applied
- Map Wizard: entries have been updated to be alphabetized
- User interface: moved Drillhole layer type out of Specialty menu
- User interface: removed "3D" from 3D Surface and 3D Wireframe to eliminate confusion with 3D view
- User interface: rename 'Classed Post' to 'Post (Classed)'
- User interface: rename 'Empty Basemap' to 'Base (Empty)', 'Base from Data' to 'Base (Data)', and 'Base from Server' to 'Base (Server)'

Fixes

- 3D View: Drillhole layer with non-invertible CS conversion (NAD27 MRE to WGS84) are misplaced and cause error
- 3D View: Export not filtering drillholes outside map extents
- 3D View: Y axis has incorrect label suffix when using DMS formatted labels
- Automation: FileCompatability in dxf options string is not honored
- Coordinate Systems: search for EPSG 6605 returns St Kitts rather than Wisconsin Central
- Coordinate Systems: SPCS US Ft: False Easting and False Northing are in the wrong units for loaded WKT
- Crash in 3D View when attempting to add contact point
- Crash when closing Surfer, after trying to load a *.ST file in worksheet as ACCDB
- Crash when gridding contact surfaces in the 3D view with radial basis function
- Crash when importing a JP2 file
- Crash when opening 3D View from map with geotransform
- Defaults: Grid Data: gdXcol, gdYcol, gdZcol and gdCcol persistence/settings not applied
- Drillhole Manager: Filter Drillholes: Case sensitive compares works opposite to intention
- DXF Export: contour labels at edge of map are missing (instead of exported as polygons)
- DXF Import: fill can be incorrect (black vs white)
- DXF import: text appears stretched
- Grid Save: Export Options (Spatial References) dialog doesn't always open when saving grids in WGS84
- Gridding with Natural Neighbor: blanking near data arranged in dense lines
- Internal Error when importing a vector file containing a polyline with zero vertices (TrGraphics.cpp)
- Internal Error when Undo (gscatch.cpp)

- KML import: embedded image doesn't count in limits when new map, but does when adding layer
- KML import: points that have an icon style but no geometry are imported at (0,0) instead of discarded

Surfer 31.2.277 (April 15, 2026)

New Features and Improvements

- 3D View: Drillhole: Contact Surfaces: Save Grids: prompt to save external spatial reference file when appropriate
- Assign Coordinate System: warn the user that Custom coordinate systems won't persist
- Assign Coordinate System: when a search only has one result, expand the coordinate system tree to that result
- Contents: a coordinate system icon is displayed next to a map or layer name that is unreferenced, when the map or other layers are referenced
- Grid Data: option is available to set the Coordinate System for the output grid
- Icons: the *Change Filename* icon in dialogs has been updated

Fixes

- 3D PDF Export: exporting 3D surface maps from 3D view has unexpected colors/effects in PDF
- 3D View: Contacts: could not create contact points when Hole ID has preceding space
- 3D View: Drillhole Surfaces are not created correctly when a geotransform is present for the map
- 3D View: Vector Data: Save Data doesn't do anything when exporting to DXF
- DXF export: 'Use Only Spatial Information' no longer exports anything
- DXF/DWG export: Error: "Duplicate Record name: <object> Encountered" when exporting to DXF or DWG and two layers have same name
- DXF import: some areas that should be white or transparent are black/opaque
- DXF import: some HATCH entities were imported with a distorted shape

- Export Contours: Error "Unable to open '<file path>.cpg'. Access is denied" when exporting a 2D or 3D SHP to a virtual network drive
- GCS: Conversion between EPSG 32631 and 2154 is incorrect
- Internal Error when exporting isosurface mesh to 3D PDF (TrPolymesh.cpp)
- Internal Error when overlaying maps (MapFrameNode.cpp)
- Measure: using the same measure tool instance for a different map uses the units of the original map

Surfer 31.1.247 (March 4, 2026)

New Features and Improvements

- 3D View:
 - 3D Grids: Image slice: change interpolation mode for pixels (like color relief layer)
 - 3D PDF Export: use names from Contents in the Model Tree (instead of object type)
 - Drillholes: create depositional and erosional surfaces from drillhole contact picks
 - Fly-Through: save recording in MP4 format
 - Isosurface: add "Ignore" option for handling NoData interface
 - Import Image Orientation: set Orientation to a polyline or polygon in a vector file
 - Performance: reduce property view refreshing during camera movement
 - Record window
 - Vector Data: add Point Labels
 - Vector Data: rename "Features" property page based on layer type
- Assign Coordinate System: add EPSG code in parameters pane for each CS
- Base import: DWG/DXF: add option to import each layer from file as separate Base layers
- Coordinate systems:

- Map: Assign Now could be active if you set units for an unreferenced coordinate system
- Show the EPSG code in Properties
- All UTM/Mercator projections should be linear and accurate
- Changing Target coordinate system: instead of warning with OK, prompt to Assign Now
- Favorited coordinate systems that are corrected and never modified should inherit the correction
- Issue warning when users try to change the Source coordinate system
- When overlaying referenced layers in unreferenced maps, use one of the coordinate systems for the combined map
- Over 13,000 coordinate systems are now supported (searchable via EPSG code)
- Gridding method: 3D Nearest Neighbor for XYZC gridding
- Import DXF: elevation data stored as block attributes are not accessible in Surfer
- Import/Export DWG
- Import/Export DXF: update DXF import and export to use the new/updated DWG functionality
- Large Grids: Color Relief: General Properties: improve response time when changing Hill Shading Parameters
- Legend:
 - Add \layername to template options (post, drillhole, and base layer)
 - Add contour layers as single-line or multi-line entry
 - Add Drillhole layers without symbology, and improve legends when drillhole layer does have symbology
 - Drillhole layer: row height should only be impacted by the properties that are shown
 - Middle align symbols and text in sample entries
 - Pie chart symbology: include "Fill sample size" with line props around the fill

- Post layer: use \layername in default template when size is Fixed and color columns set to None or Explicit
- Map Scale Bar: made sure the map scale bar object was named consistently within the program
- Ribbon: new Help page

Fixes

- 3D View: 3D PDF/VRML Export: axis titles are not exported
- 3D View: Walk: WASD keys no longer move camera in Walk mode
- Base layer: Legend links for invalid legends using old serialization should not be saved
- Coordinate Systems:
 - Geotransformation of Lambert Nord France is not correct
 - EPSG: 3388 has incorrect coordinate system definition and does not account for 180 lat bound
 - Cannot change Map coordinate system from WGS84 UTM zone 14N to 15N
 - Portuguese National Grid and ETRS89/Portugal TM06 are not converting the coordinate system properly
 - Projection error converting from WGS84 UTM zone 23N to any other coordinate system
- Crash after copying/pasting map, adding legend and saving
- Crash in automation when importing a grid
- Crash when cleaning up after graphics driver SEH exception
- Download Online Maps: entering lat/lon extents is really difficult or impossible (TAB, clicking in another box or Paste doesn't work)
- DXF Import: lines are straight when they should be curved
- Groups: Symbols drawn in existing Groups are upside down
- Internal Error when creating 3D view after using Set Limits (NormalizingTransform.cpp)

- Internal Error when exporting 3D View to 3D PDF (TrPolymesh.cpp)
- Internal Error when measuring (MeasureToolWnd.cpp)
- Invisible layer using shared grid at the top prevents display in 3D View
- Legend: Copy/Paste when contains a drillhole layer and a base layer causes Surfer to become unresponsive
- Surfer Warning about unreferenced layers is either empty or too large to display on the screen when there are too many layers