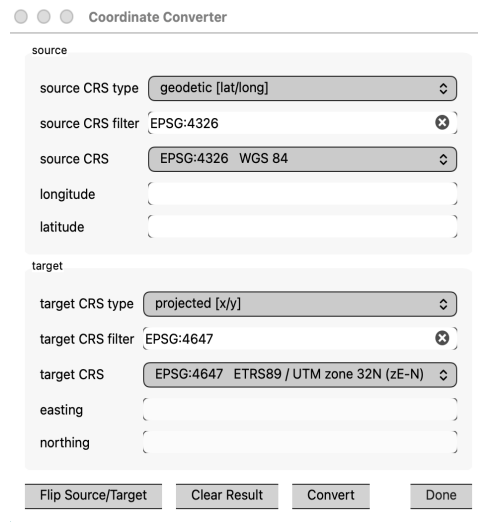


Updates 26_07

PROJECT COORDINATES, WELL & SHAPEFILE IMPORTS

Single Point Coordinate Conversion

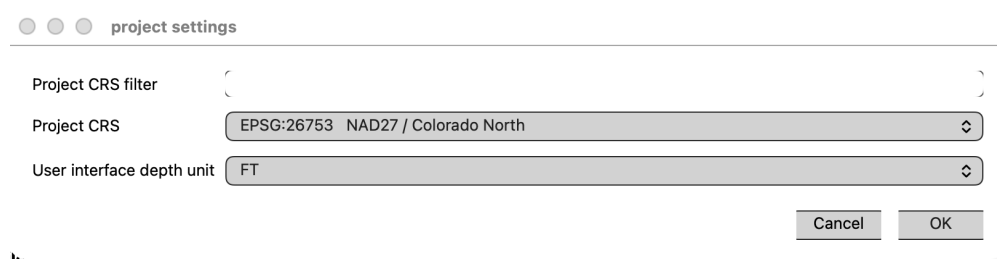
For several versions, there has been a single point conversion tool under the Tools dropdown on the top of screen menu bar. That is also where the Colortable Editor is found. The single-point Coordinate Converter is pretty straight forward. You choose whether your source is lat/long or x/y. Then you can type in a key word in the source CRS filter line to narrow down your source CRS choices, then select the source CRS from the dropdown. Type in your longitude and latitude or x and y. Then define your target CRS.



The screenshot shows the 'Coordinate Converter' dialog box. It is divided into two main sections: 'source' and 'target'.
In the 'source' section:
- 'source CRS type' is set to 'geodetic [lat/long]'.
- 'source CRS filter' contains the text 'EPSG:4326'.
- 'source CRS' is set to 'EPSG:4326 WGS 84'.
- There are empty input fields for 'longitude' and 'latitude'.
In the 'target' section:
- 'target CRS type' is set to 'projected [x/y]'.
- 'target CRS filter' contains the text 'EPSG:4647'.
- 'target CRS' is set to 'EPSG:4647 ETRS89 / UTM zone 32N (zE-N)'.
- There are empty input fields for 'easting' and 'northing'.
At the bottom of the dialog, there are four buttons: 'Flip Source/Target', 'Clear Result', 'Convert', and 'Done'.

Setting up the Project Coordinate Reference System (CRS)

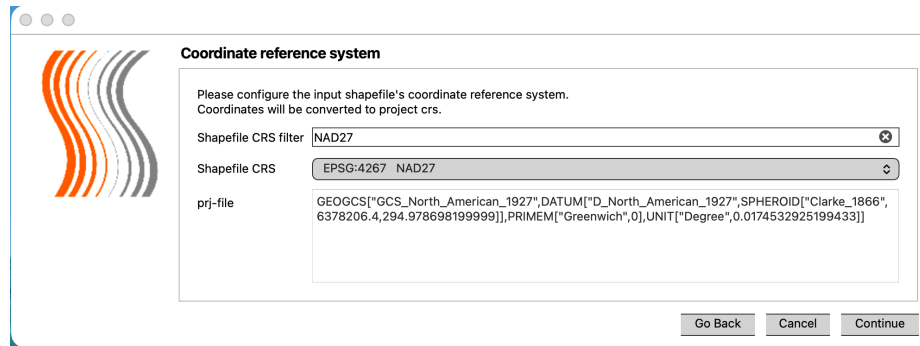
To set up your project coordinate system, open your project, go to the top menu bar, click on File, and then choose project settings. The following window will open. You can type a keyword in the filter box and it will minimize the number of options in the Project CRS drop down. Select the desired CRS. Also set the depth unit for your project. Once you have done this, ***YOU MUST SAVE YOUR PROJECT FROM THE TOP MENU BAR*** (file, save project). You have now set your project CRS.



The screenshot shows the 'project settings' dialog box. It contains three main settings:
- 'Project CRS filter' is an empty text input field.
- 'Project CRS' is set to 'EPSG:26753 NAD27 / Colorado North'.
- 'User interface depth unit' is set to 'FT'.
At the bottom right, there are two buttons: 'Cancel' and 'OK'.

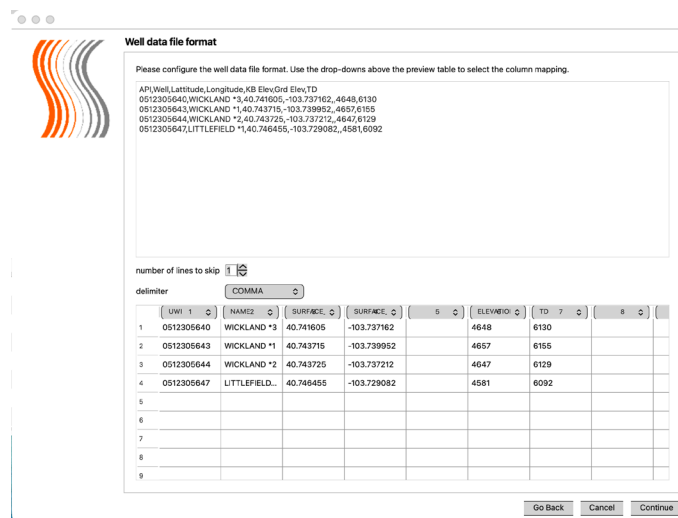
To import shape files and convert the coordinates, go to add data in the Main Window, choose import shape file and the wizard opens. Click continue. Choose the file you wish to import, and

name it. Continue. On the next page, you select the CRS for the file to be imported. Notice that the CRS information from the prj file is displayed. Again, you can type keywords into the filter box to minimize the options in the Shapefile CRS dropdown. Select the appropriate CRS for the shape file. Hit the Continue button to convert the shape file to the project CRS (previously set up). On the next page, check the shape file info and the project info and hit import.



Importing Wells from a Text File

The process is very similar to importing a shape file. Go to add data in the Main Window and choose import wells. A wizard will open to guide you through the process. Hit continue on the first page. On the second page, choose your input file. Hit continue. The input file date will show. To populate the spreadsheet, choose the correct delimiter. Define your columns. Obviously UWI (API) and the coordinates (lat/long or x/y) are critical. The other inputs are optional. Be sure to select the number of lines to skip at the start of the file.



Hit continue to move to the coordinate set up page. There are two sections on this page depending on whether your input file is in lat/long or x/y. Check the appropriate box. For the

example, the file is lat/long, NAD83. Then choose the appropriate CRS. The filter line minimizes the matching systems to select the CRS.

Well coordinates source

Please select the well coordinates source and the related coordinate reference system. Well coordinates will be converted to the project crs.

geodetic coordinates (latitude/longitude)

filter: NAD83

crs: EPSG:4269 NAD83

projected coordinates (X/Y)

filter:

crs: EPSG:2000 Anguilla 1957 / British West Indies Grid

Go Back Cancel Continue

Seismic and Horizons

In this version (2.6.3.4), there is no CRS conversion available for importing seismic or horizons. A future version will have the capability to import seismic from a different CRS to the project CRS.

There is a workaround for importing horizons. When horizons are exported from other packages, they should be exported as IL, XL, time, rather than using X, Y, time. Horizons in this format can be imported correctly.

Other Bug fixes and Enhancements in version 2.6.3.4

1. There was an issue with the program crashing when a session was loaded which had a subsequently deleted horizon. This has been fixed.
2. There is now the option to crop shape files.
3. All file cropping (wells, shape files, horizons) is now under the processing button on the Main Window (polygon clearing). One chooses the file type to be cropped.
4. There was an issue with points selected in the Crossplot Viewer in old versions not displaying properly in the 3D Viewer...they were stored as IL/XL rather than x/y. One can now right-click on a points group you have selected in the Main Window, and display the points in a spreadsheet to see if they look reasonable.