

ASOR Cultural Heritage Initiative

QGIS

Module 02.16: Attribute Tables

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ASOR QGIS Module 02.16 – Attribute Tables

QGIS is a free and open source Geographic Information System (GIS), or geodatabase, licensed under the GNU General Public License. QGIS runs on Linux, Unix, Mac OSX, Windows and Android and supports numerous vector, raster, and database formats and functionalities. Download QGIS here: https://qgis.org/.

QGIS users can view, edit, and analyze spatial information through its free software toolkit.

This ASOR Tutorial (02.16) covers key features of Attribute Tables in QGIS and how they relate to spatial information.

KEY CONCEPTS

- Accessing Attribute Tables Right-click on a layer and select *Open Attribute Table* to view descriptive information about spatial data.
- ♦ Data Visualization Highlighting rows in the attribute table highlights corresponding points on the map, helping locate specific records within large datasets.
- **♦ Table Management Tools** Users can invert selections, select all rows, and hide or reorder columns for better data organization.
- **Editing Restrictions and Solutions** Attribute tables from KoboToolbox data cannot be edited directly, but users can enable editing by exporting the dataset as a new shapefile.
- Saving and Verifying Edits After creating and editing a new shapefile, confirm it overlays correctly on the original layer and remember to save all edits before proceeding.

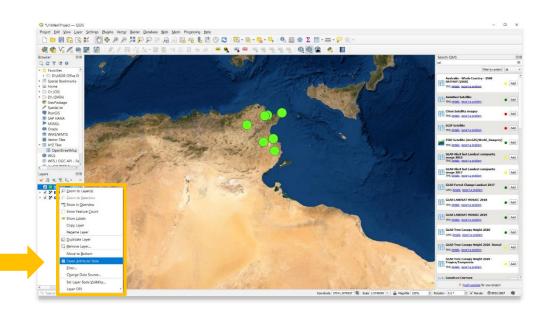
ATTRIBUTE TABLES

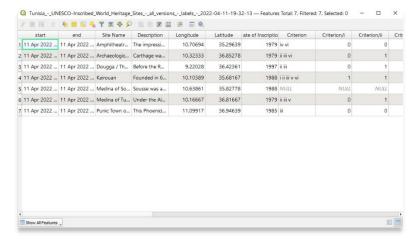
The attributes (or descriptive information) for any layer can be viewed through the **Attribute Table**.

To open the **Attribute Table** right-click on the layer, then select **Open Attribute Table**.

The Attribute Table will appear.

You will notice that this table mirrors the CSV file that you imported into QGIS from your KoboToolbox project in ASOR Tutorial 02.14 (Importing KoboToolbox Data).

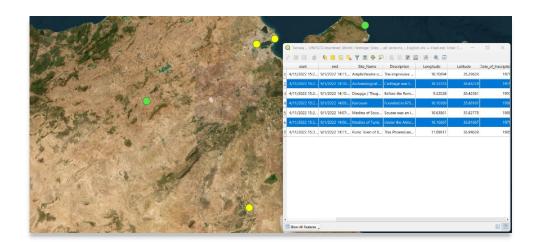




Highlight

Highlighting rows in the attribute table will also highlight the specific point on your map.

This can be useful when attempting to locate specific points within a large dataset.



Invert Select

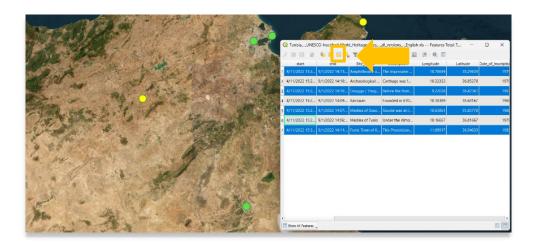


Invert selected rows

Select all



Select all rows in the attribute table

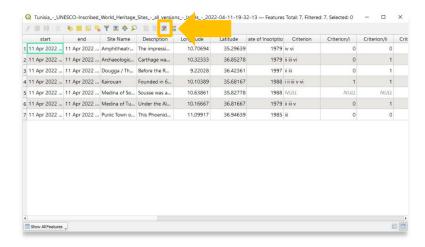


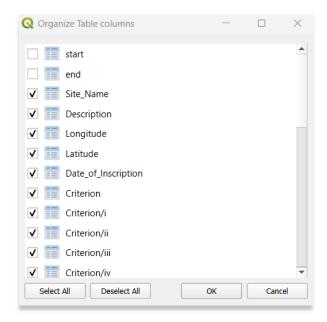


Organize Table Columns



Users can hide and reorder columns





Editing Attribute Data

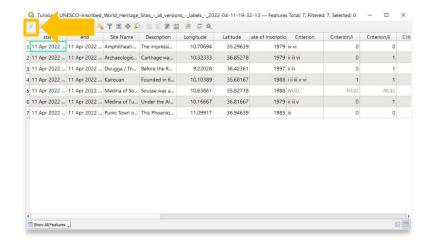
NOTICE | Users are unable to edit attribute tables when the data has been exported from KoboToolbox.

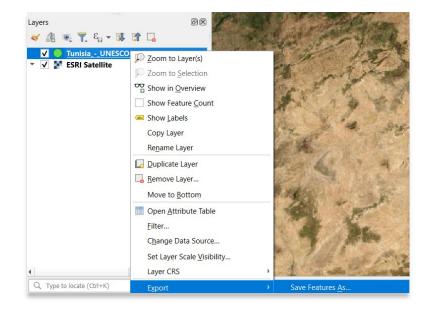
The edit button is greyed out:

There is a quick fix for this issue: Create a new shapefile from the existing dataset.

Duplicate Shapefile

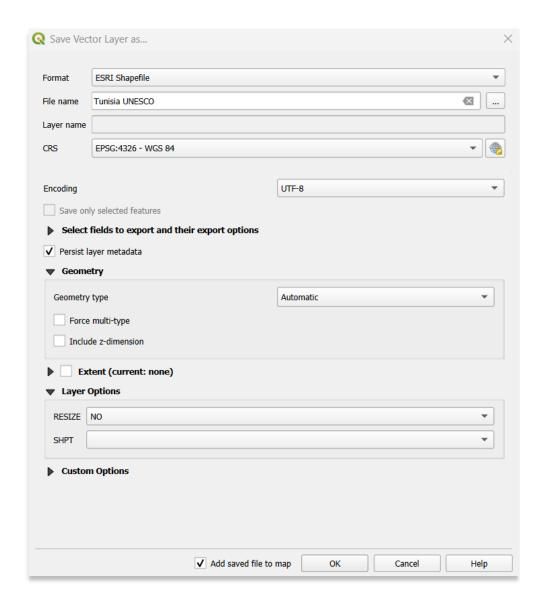
Right-click on layer > Export > Save Feature as...





Give the new shapefile a unique name and follow the settings shown here.

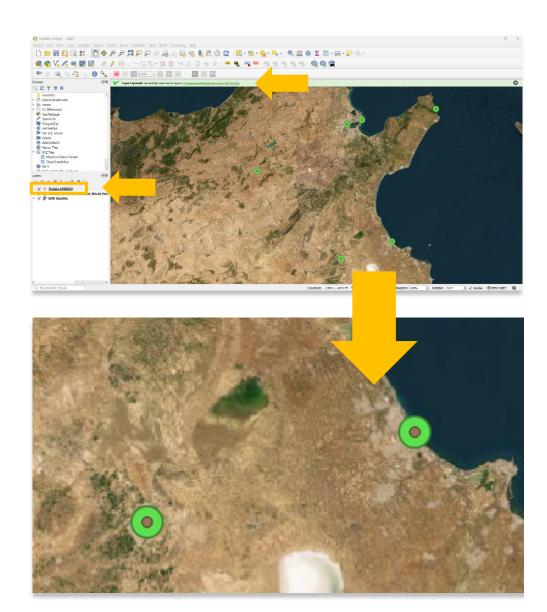
Select "Ok" to process the shapefile.



Look for a confirmation message at the top of the map viewer.

A new shapefile is now present in the Layers panel.

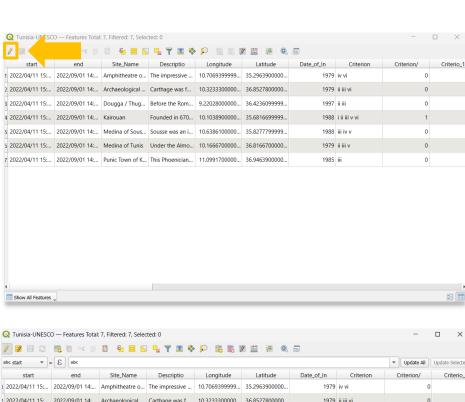
Verify that the new layer overlays on top of the original layer.

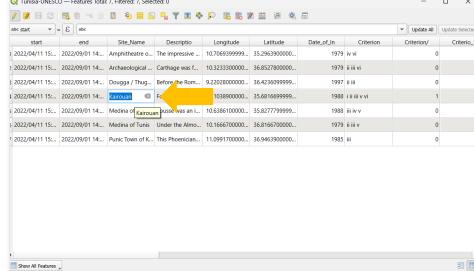


Open the attribute table for the newly-created shapefile.

Turn on editing:

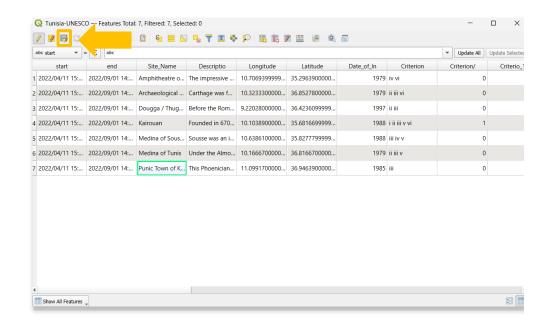
NOTICE | You can now make edits to the data table.







Save edits before moving on to other actions



RESOURCES

QGIS Download: https://qgis.org/



VIEW ALL ASOR TUTORIALS FOR FREE

asor.org/chi/chi-tutorials