



Notes for the Cork GeoUrban 1:50000 bedrock data package

This dataset represents the release of the data compiled during the GeoUrban project. The data have been brought to a style and standard to match the ongoing 1:50k mapping projects, of which this is now a part.

The bedrock geology polygons in this data release are already a part of the 1:100k bedrock geology polygons and are re-released here with supporting data.

The information presented here is compatible with both QGIS and ArcGIS software and the release comprises:

- a series of shapefiles
- a geopackage compatible with QGIS software
- a map package compatible with ArcGIS software
- a series of layer files compatible with ArcGIS software
- a series of QML files compatible QGIS

The data set comprises 5 key shapefiles and 2 related tables.

- Cork_Boreholes
- Cork_Geological_Linework
- Cork_Outcrops
- Cork_Stratigraphy
- Cork_Structural_Symbols

The features are attributed with relevant details. For example, the outcrop features are attributed with descriptions from the original 6inch to 1mile series. In some cases, extra information is stored in a table and related to the appropriate feature.

There are two data-tables:

- Lexicon_Polygons
- Lexicon_Linework

The lexicon tables provide the definition of each rock unit and are related to the geological polygons and linework layers.

Any object (polygon or point) in a feature class can be queried using the identify function in ArcGIS or QGIS, and the information in the related table will be displayed. For example, when a Stratigraphy polygon is queried the complete lexicon entry for that formation will be displayed from a related table. The lexicon table is also related to the Geological Linework so the lexicon entry for line-thick formations can also be displayed.



When the borehole layer is queried all of the borehole attributes will be displayed along with a unique URL to the original log of the hole which is hosted by the GSI

The individual shapefiles contain the same information as the ArcGIS map package and the QGIS geopackage.