



Notes for the North Midlands block 1:50,000 bedrock data package

This data package covers the area of the Ordnance Survey Ireland 1:50,000 scale sheets 32, 33, 39 and 40.

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 map package consists of seven feature classes:

- Structural_Symbols
- Boreholes
- MicroPalaeo
- Palaeo
- Geological_Linework
- Outcrops
- Stratigraphy

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 four data-tables:

- Lexicon_Polygons
- Lexicon_Linework
- Composite_Specimens
- Drill_Intervals

The lexicon tables provide the definition of each rock unit and are related to the geological polygons and linework layers, the specimens table is related to the palaeontology features and the drill intervals table is related to the borehole features.

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.