



## Digital Geological Map of Great Britain (DiGMapGB) data

Information Note, 2007: [250k](#)

[DiGMapGB-250 Version 4.14](#) data

1:250 000 scale

***This note should be read in conjunction with:***

*DiGMapGB Information Note, 2007: 'General' for data at all scales.*

### 1 Caution

The 1:250 000 scale data may be used as a guide to the geology at a regional level, but should not be relied on for local geology. The scale of the original information is indicated by the nominal scale attribute (NOM\_SCALE: 250000) embedded in the data. Do not over-enlarge the data; for example, do not use 1:250 000 nominal scale data at 1:100 000, 1:50 000 or larger working scale. If more-detailed geological information is required then the 1:50 000 or 1:10 000 scale maps or digital data, should be consulted.

The 1:250 000 scale geological maps were largely compiled from 1:50 000 scale maps by cartographical selection, modification, simplification or exaggeration. The generalised geological lines were fitted to topographic bases compiled from Ordnance Survey 1:250 000 maps and Ministry of Defence, Joint Operations Graphic (JOG) sheets. The UTM series (Universal Transverse Mercator projection) sheets were scanned and warped to OS British National Grid for digitising. The digital data have subsequently been re-fitted to the OS Strategi<sup>®</sup> coastline and do not necessarily fit other topographic bases, including more modern OS ones.

The compilation of geological lines (i.e. the cartographic accuracy) is probably no better than 1 mm on the 1:250 000 base map which equates to 250 m on the ground.

### 2 Sources of 1:250 000 scale information

Each DiGMapGB-250 digital tile is based on the latest BGS 1:250 000 scale UTM bedrock or 'solid' geological map. The source 1:250 000 published maps have a chronostratigraphical classification but were reclassified, as far as possible, with a lithostratigraphical nomenclature for the digital data.

Some changes may have been made to the published lines to correct errors, improve the fit between maps, add formational boundaries or remove purely chronostratigraphical ones. The sources of information specific to each digital tile are available.

### 3 DiGMapGB-250

This 1:250 000 scale dataset provides full onshore [and offshore] national cover of the bedrock geology at a regional scale. It was released for licensing in 1998 and the data were then re-tiled into standard Ordnance Survey 100x100 km squares (for example TQ), given Lex-Rock codes and re-released as the DiGMapGB-250 dataset. For further details see:

[http://www.bgs.ac.uk/products/digitalmaps/digmapgb\\_250.html](http://www.bgs.ac.uk/products/digitalmaps/digmapgb_250.html)

In due course it is expected that new bedrock and superficial themes will be created for the DiGMapGB-250 dataset by generalisation from DiGMapGB-50.