

The Landmark Data Index Series
1:50,000 Geology



Introduction

The geology of an area is an important factor to consider when designing foundations for buildings or contaminated land appraisal.

What is this Data?

Landmark presents the geology data set in five different layers. This allows a user to define 5 different geology types for their user area. It allows users to carry out preliminary site assessments for the area around their site, as well as for those that have a general interest in their local geology.

The data is extracted from the BGS Digital Geological Map of Great Britain at 1:50 000 scale (DiGMapGB-50). The data set currently covers 95% of Great Britain.

The layers that make up the geology data set are: -

Layer	Theme	Comment
1	Artificial Ground	Recent man-made deposits, mineral workings, re-modelled or altered ground
2	Mass Movement Deposits	Primarily landslips or foundered ground. Moved down slope under gravity
3	Superficial (or 'Drift') Deposits	Unconsolidated natural in situ or surficial deposits
4	Bedrock (or 'Solid') Geology	Mostly consolidated natural rocks
5	Faults and Rock Segments	Geological Faults and thin beds

These different themes of spatial data can be used to overlay topographic maps to give meaningful site specific information.

Where is it from?



British Geological Survey

NATURAL ENVIRONMENT RESEARCH COUNCIL

The data has been sourced from British Geological Survey (BGS) <http://www.bgs.ac.uk/>. BGS is the world's longest established national geological survey and the UK's premier centre for earth science information and expertise.

What are the Key Facts?

BGS supplied data contains digitised maps of 357 sheets for England & Wales & 186 sheets in Scotland. Delivers instant access to 1:50,000 geological mapping for Great Britain accessed via PDF or paper copy.

Geology in the News

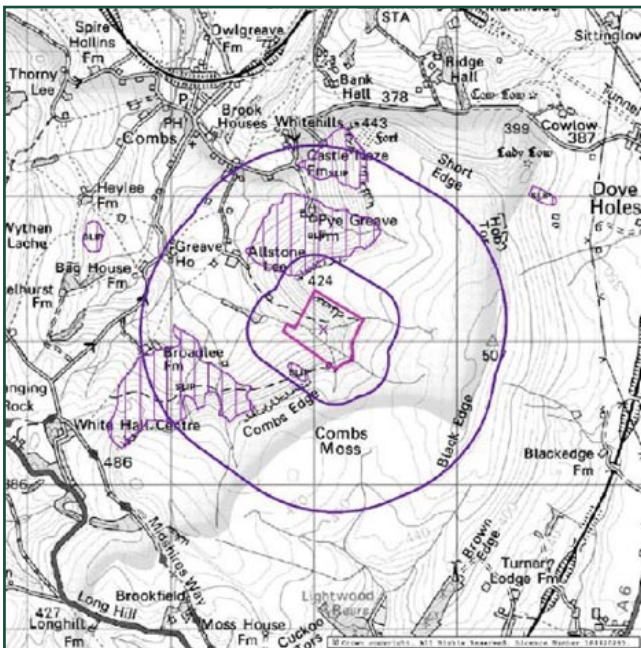
One of Landmark Information Group's long standing customer's. Sarah Penry, Principle, ENVIRON, commented:

“ The Envirocheck Geology Report will be invaluable information allowing detailed assessment of the ground structure and potential for movement of contamination not just into aquifers and rivers, but also importantly across site ownership boundaries. ”

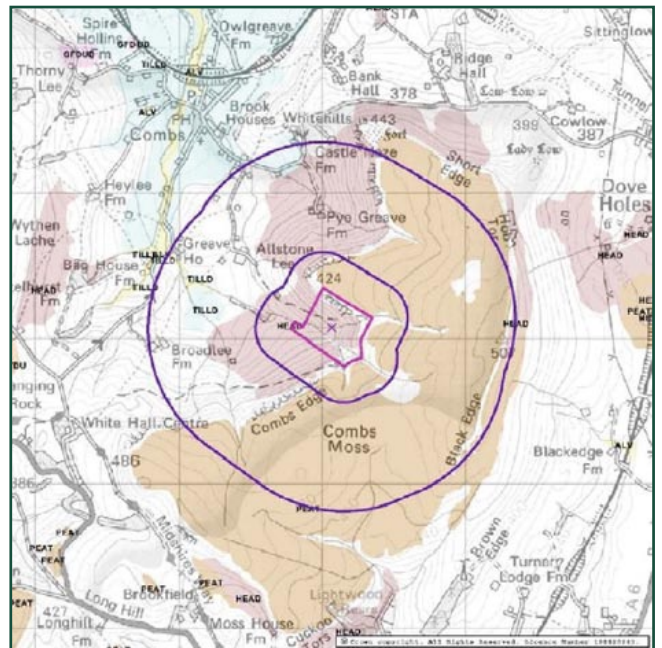


Which Landmark Products hold this data?

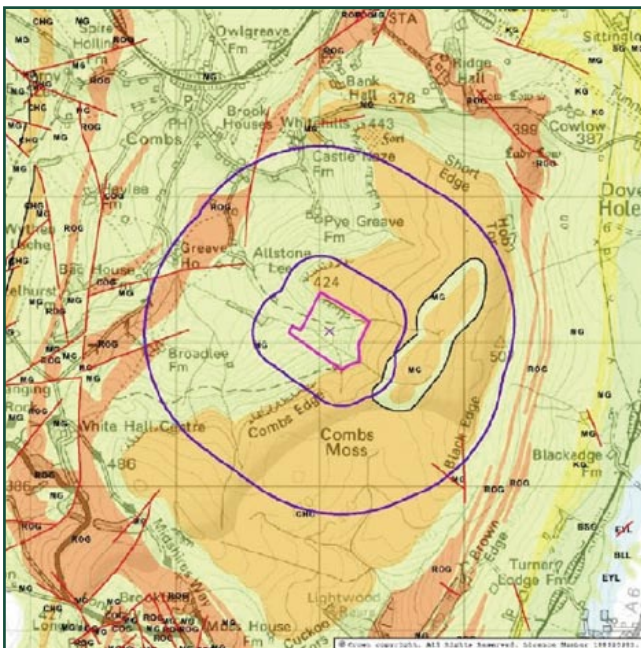
Landmark's Envirocheck Geology product uses the geology themes overlaid on to topographic maps to show clearly the types of ground underneath. The following four images show samples of this data



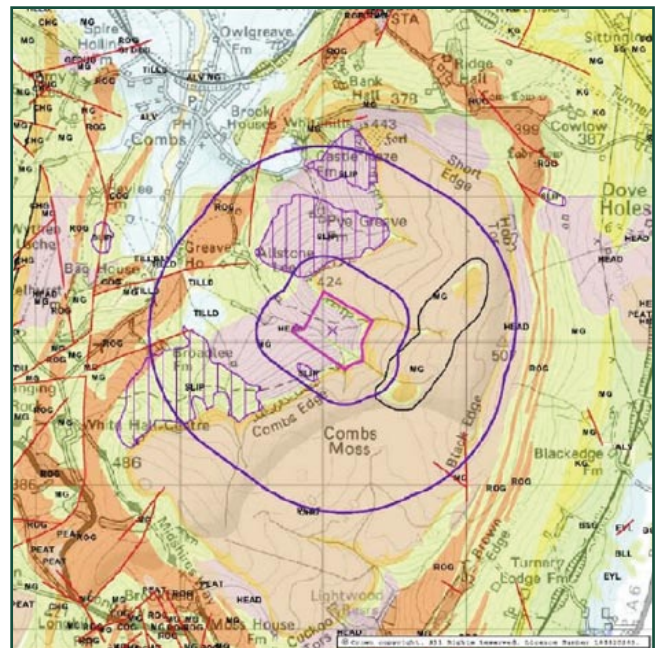
Artificial ground



Superficial



Bedrock & Faults



Combined Report