

Ground Report

The Professional Standard in Ground Risk Assessment

**TERRA
FIRMA**

The Ground Report is the original ground risk report that provides your clients with the professional opinion of TerraFirma's geologists, scientists and mining engineers on the impact of mining and natural ground stability on property and land transactions. It is the only report available to interpret the risk from coal and all other mining, soil-related subsidence and all other natural ground hazards, coastal hazards and recorded ground movement.

Coal Mining

- ▶ Integrated CON29M and Mine Entry Interpretive Report when a mine entry is identified within 20 metres

All Other Mining

- ▶ Expert assessment of whether local mining history affects the site
- ▶ In Cornwall, the Ground Report integrates a Law Society recommended Cornwall Consultants Tin Mining Search
- ▶ Including, but not limited to chalk, limestone, bathstone, iron, clay, gypsum and brine extraction

Clay Subsidence

- ▶ An advanced site-specific assessment of clay subsidence designed by Dr Tim Farewell, one of the UK's leading soil scientists
- ▶ Assesses the risk at point of transaction, while also considering the impact of climate change

Natural Ground Perils

- ▶ Including collapsible deposits, running sands, soluble rock, slope movement, compressible ground and natural cavities

Coastal Hazards

- ▶ The only report available to include expert, property-specific risk assessment of coastal hazards
- ▶ Answers key questions on the risk to property from coastal erosion, flooding and sea-level rise
- ▶ Considers sea defences, Environment Agency's Shoreline Management Plan and impact of climate change

Radon, Oil & Gas Activity and Mineral Planning

- ▶ Identifies important ground information relating to use and enjoyment of the site

Key Benefits:

- ▶ TerraFirma's in-house expertise embedded in every report
- ▶ Industry-leading data, subject to robust quality assurance
- ▶ Protection for residential and commercial deals from all mining and natural ground risks
- ▶ Next steps and clear advice suitable for a non-technical audience
- ▶ Colour-coded UserKey quickly guides each party in the transaction
- ▶ 97% pass rate and reduced need for further actions
- ▶ 95% of reports are returned within 5 minutes
- ▶ Geologists available to discuss report findings
- ▶ Professional opinion protected by £10m PI Insurance per report

For further information about the Ground Report and for a sample please visit: www.terrafirmaidc.co.uk

understand the ground



Our professional standard



Professional standards and expertise you can trust

Assessing risk to property and land from ground hazards is complex, and requires understanding from a range of geoscientific and engineering disciplines.

Our reports - and the risk assessment and advice they contain - are built on a solid foundation of risk-based expertise, across mining and natural ground hazards.

Terrafirma exist to ensure people have access to reliable, accurate and easy-to-understand advice on ground hazards how they impact property value, use and enjoyment.

So when you buy a report from us, you and your clients get the benefit of our commitment to excellent service and an unrivalled professional experience in assessing ground risk to property and land.

Our unrivalled expertise

Our expertise is in geology, mining engineering, soil and data science.

Gives us the tools

Our data is subject to rigorous processing and robust quality assurance.

To make quality products

Our products are focused on providing the highest quality risk assessment.

And provide the best service

Our experienced geologists are on hand to answer client queries.

Industry-leading and quality assured data

Terrafirma's knowledge across geology, geoscience and mining engineering enables critical evaluation of relevant data, all of which undergoes rigorous processing, risk modelling and quality assurance.

We identify, quality assure and interpret data from the following:

- ▶ British Geological Society
- ▶ CGG NPA Satellite Mapping
- ▶ Peter Brett Associates
- ▶ Cranfield University
- ▶ BlueSky
- ▶ National Library of Scotland's Historical Map Database
- ▶ Environment Agency
- ▶ Cornwall Consultants
- ▶ Coal Authority
- ▶ Ordnance Survey

About Terrafirma

Terrafirma is a leader in the provision of ground risk assessment and GeoData. Our team of geologists, engineers and data scientists translate complex ground hazards into clear, accurate, and reliable advice through our market-leading reports, expert opinion and risk models.

Our team is passionate about improving the understanding of the ground and the complex ways it interacts with the Built Environment, offering a comprehensive suite of conveyancing solutions to ensure that the client is fully equipped to make informed decisions. From historical mining, to the impact of radon exposure and risks of natural ground movement, Terrafirma can not only provide insight to data but the professional opinion required to inform and action where necessary, and provide professional advice for legal and property due diligence.

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“ We love that the Ground Report is so comprehensive, interpreting the risk to property and land from all man-made and natural ground hazards. Brilliant to ensure clients get the full picture and know what lurks beneath. ”
Elliot Mather LLP Solicitors