

OR/15/044 Model QA

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[Jump to navigation](#) [Jump to search](#)

Wakefield, O J W, and Barron, A J M. 2015. GSI3D Model metadata report for HS2 Area 6 (Cublington to Hampton-in-Arden). *British Geological Survey Internal Report*, OR/15/044.

In order for a geological model to be approved for publication or delivery to a client a series of QA checks is carried out. This includes visual examination of the modelled cross-sections to ensure that they match each other at cross-section intersections and fit the borehole and geological map data used. The model calculation is checked to ensure that all units calculate to their full extent within the area of interest and the modelled geological surfaces are checked for artefacts such as spikes and thickness anomalies. The naming convention of the modelled geological units is checked to ensure that recognised entries in the BGS Lexicon of Named Rock Units (www.bgs.ac.uk/lexicon/home.html) and the BGS Rock Classification Scheme (www.bgs.ac.uk/bgsrscs) are used as far as possible.

Any issues found in the QA checking process are recorded and addressed before delivery/publication of the model.

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Category:

- [OR/15/044 GSI3D Model metadata report for HS2 Area 6 \(Cublington to Hampton-in-Arden\)](#)

Navigation menu

Personal tools

- Not logged in
- [Talk](#)
- [Contributions](#)
- [Log in](#)
- [Request account](#)

Namespaces

- [Page](#)
- [Discussion](#)

Variants

Views

- [Read](#)
- [Edit](#)

- [View history](#)
- [PDF Export](#)

□

More

Search

Navigation

- [Main page](#)
- [Recent changes](#)
- [Random page](#)
- [Help about MediaWiki](#)

Tools

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Permanent link](#)
- [Page information](#)
- [Cite this page](#)
- [Browse properties](#)

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- [Privacy policy](#)
- [About Earthwise](#)
- [Disclaimers](#)

