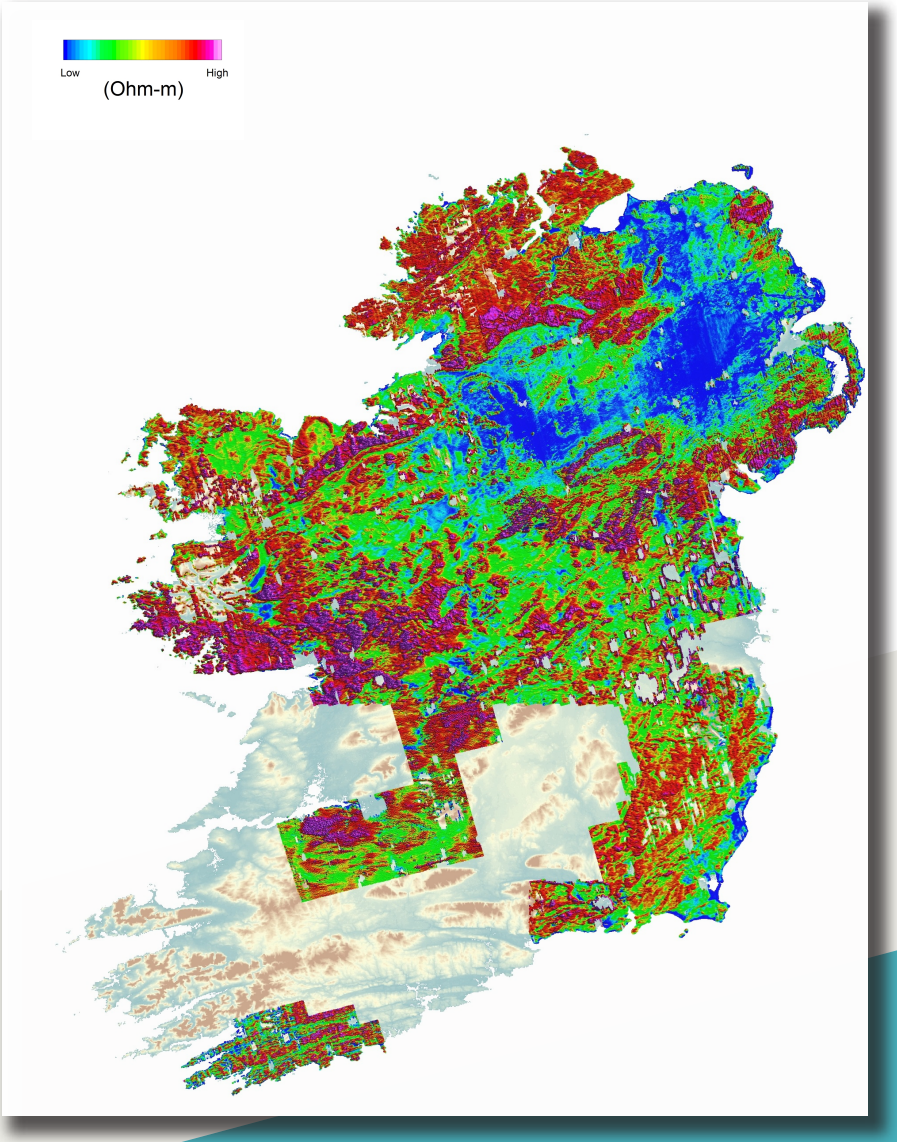
Geological Survey
Suirbhéireacht Gheolaíochta
Ireland | Éireann

Geophysical Data | 12 KHz Equivalent Apparent Resistivity



About Tellus

Tellus is a national programme to gather geochemical and geophysical data across the island of Ireland, examining the chemical and physical properties of our soils, rocks and waters. This data will help to inform the management of Ireland's environment and natural resources. Tellus is undertaken by the Geological Survey Ireland and is funded by the Department of Communications, Climate Action and Environment.

The airborne survey collects magnetic, gamma ray spectrometry and frequency domain electromagnetic data. This data helps measure variations in the Earth's magnetic field, natural radiation and the conductivity of rocks and soils respectively. The aircraft flies at a nominal altitude of 60 m on a 345^0 heading in rural areas. Flight lines were spaced 200 m apart.

12 KHz Apparent Resistivity

The map displays the equivalent apparent resistivity at 12 KHz derived from the electromagnetic survey. The data combines both frequency and time domain data merged at equivalent frequency/time channels. Data is illuminated from the NE. Data over 150 m survey altitude has been blanked. Values reflect the variation in the resistive properties of soil and upper bedrock to depths of about 50 m bgl. This data will help in the remapping of existing geological maps and identifying new geological features and structures.

Free data & maps at www.gsi.ie/tellus

Geological Survey Ireland is a division of
the Department of Communications, Climate Action & Environment

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