Parameter name	**Hydraulic transmissivity**
Name of the layer in EGDI Map Viewer	Hydraulic transmissivity of a gravel aquifer, Cork
Original name of the layer uploaded to EGDI database	PP07_GSI_hydraulic_transmissivity_gravel-aquifers
Category	Resources for open-loop systems
Definition	The rate of groundwater flow laterally through an aquifer, determined by hydraulic conductivity and container thickness.
Harmonized unit	m²/d
Relevance for shallow geothermal energy	Property relevant for designing open-loop installations of shallow geothermal energy systems.
Data type	Continuous data layer
Data format	raster
Projection	EPSG: 3034
Dataset selected for pilot area	**Cork**, Zaragoza, Girona

Unit	m²/d

INDIVIDUAL PART – PLEASE EDIT

Pilot area	Cork
Data source	Derived from 3D geological model and gravel aquifer reports and datasets produced by the GSI.
Contact data owner	taly.hunterwilliams@gsi.ie
Last Update	12/05/2021

Explanatory text English

Hydraulic transmissivity – sand and gravel aquifers, Cork. This dataset contains a record of hydraulic transmissivity for the regionally important sand and gravel aquifers in the Cork pilot area. The data are derived primarily from two sources: (1) a 3D geological model of quaternary deposits in Cork City developed by the Geological Survey Ireland (GSI); and (2) sand and gravel aquifer reports and datasets produced by the GSI Groundwater 3D team. Other sources of information include the GSI's aquifer parameters database and academia.

N.B. The Geological Survey Ireland qualifies a sand and gravel body as an aquifer when it has a saturated thickness of at least 5 m. Therefore, the raster file which delineates the sand and gravel body in this dataset has a minimum thickness of 5 m.

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The Geological Survey Ireland makes no representations, warranties, or undertakings about any of the information provided on these maps including, without limitation, their accuracy, their completeness or their quality or fitness for any particular purpose.

Data coordinate reference system reprojected from EPSG:2157 – IRENET 95 / Irish Transverse Mercator to EPSG:3034 - ETRS89-extended / LCC Europe.