

| GENERAL PART – DO NOT EDIT | |
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| Parameter name | Net aquifer thickness |
| Name of the layer in EGD Map Viewer | Net thickness of karst aquifers, Cork |
| Original name of the layer uploaded to EGD database | PP07_GSI_aquifer_thickness_karst_shallowbedrock PP07_GSI_aquifer_thickness_karst_deepbedrock |
| Category | Resources for open-loop systems |
| Definition | Water saturated thickness of a groundwater body |
| Harmonized unit | meters |
| Relevance for shallow geothermal energy | Thickness of groundwater bodies relevant for shallow geothermal energy installations |
| Data type | Continuous data layer |
| Data format | raster |
| Projection | EPSG: 3034 |
| Dataset selected for pilot area | Cardiff, Cork , Aarhus, Zaragoza, Girona |

| ATTRIBUTES – DO NOT EDIT | |
|---------------------------------|---|
| Unit | m |

| INDIVIDUAL PART – PLEASE EDIT | |
|--------------------------------------|---|
| Pilot area | Cork |
| Data source | Derived from academia and the Geological Survey Ireland's aquifer parameters database |
| Contact data owner | taly.hunterwilliams@gsi.ie |
| Last Update | 12/05/2021 |

| Explanatory text English |
|---|
| <p>Net aquifer thickness – karst aquifer, Cork. This dataset contains a record of net aquifer thickness for the regionally important karst aquifer (dominated by diffuse flow (Rkd)) in the Cork pilot area. The data are derived from academia and the Geological Survey Ireland's aquifer parameters database. Representative bulk values have been assigned to the karst aquifer due to a lack of available field data.</p> <p>The conceptual model for the karst aquifer comprises two depth-based zones: (1) a more fractured and more permeable shallow bedrock zone; and (2) a less fractured and less permeable deep bedrock zone. The total thickness of the karst aquifer has been defined as 200 m in the pilot area, with the shallow bedrock zone comprising the first ~40 m.</p> <p>DISCLAIMER 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.</p> |

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