

GENERAL INFORMATION	
Parameter name	Specific yield
Name of the layer in EGD Map Viewer	Specific yield,Cork
Original name of the layer uploaded to EGD database	PP07_GSI_specific_yield.tif
Category	Resources for open-loop systems
Definition	Ratio of the volume of water that a given mass of saturated rock will yield by gravity to the volume of that mass.
Harmonized unit	%
Description	Ratio of the volume of water that a given mass of saturated rock will yield by gravity to the volume of that mass.
Data type	Continuous data layer
Data format	raster
Projection	EPSG: 3034
Color/yield range	
Dataset selected for pilot area	Cork

ATTRIBUTES	
Unit	%

INDIVIDUAL PART – PLEASE EDIT	
Pilot area	Cork
Data source	
Contact data owner	taly.hunterwilliams@gsi.ie
Last Update	17/05/2021

Explanatory text English
<p>Specific yield (Sy), Cork. This dataset contains a record of Sy for the bedrock and gravel aquifers in the Cork pilot area. The pilot area comprises a regionally important karst aquifer dominated by diffuse flow (Rkd aquifer), a locally important bedrock aquifer which is moderately productive only in local zones (Ll aquifer), and locally important sand and gravel (Lg) aquifers. For more information regarding GSI aquifer categories and types, please see the link below.</p> <p>The Sy values used in this dataset are derived from the Geological Survey Ireland’s aquifer parameters database and academia. A representative bulk value has been assigned to each aquifer due to a lack of available field data. The dataset has been split into three raster files, each representing the different aquifer types present in the pilot area.</p> <p>Sy values used: Rkd aquifer = 1.29% Ll aquifer = 0.57% Lg aquifer (Lee Buried Valley sand and gravel aquifer) = 20% Other Lg aquifers = 14%</p>

Aquifer categories and types: <https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geothermal-unit/activities/understanding-ireland-groundwater/aquifer-classification/Pages/Aquifer-categories-and-types.aspx>

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.

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

Explanatory text national language

Language

<enter language name in English>