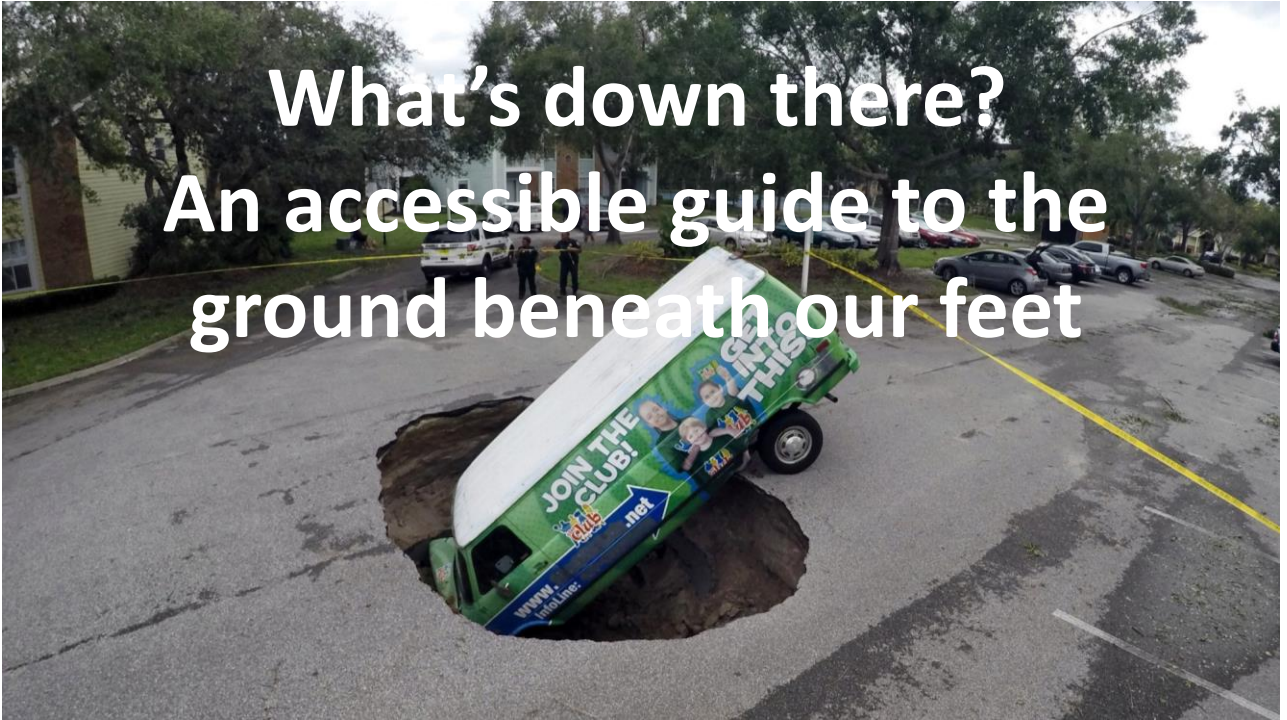


# What's down there? An accessible guide to the ground beneath our feet

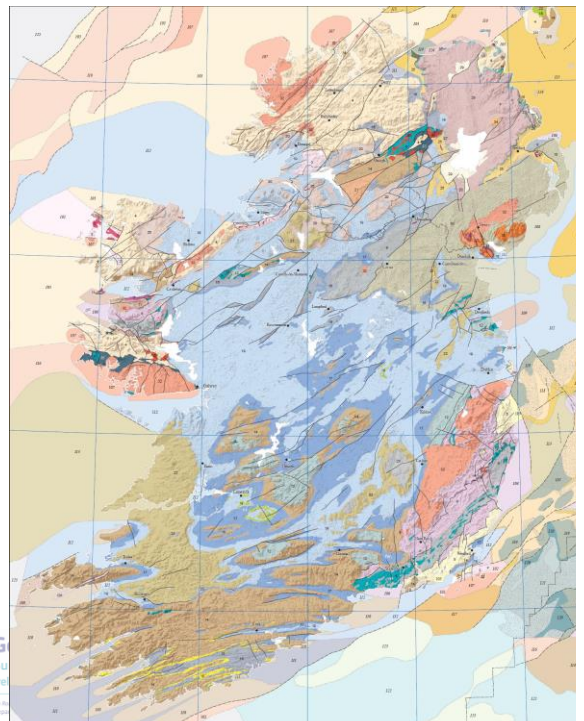


**A simple and accessible guide  
to learning about the different  
rocks in your local area**

**Students learn about the  
geology of their area.**

**\*Using maps, images & data  
from the Geological Survey  
Ireland website**

**[www.gsi.ie](http://www.gsi.ie)**



# Learning Outcomes for the Lesson

## Students will be able to:

- To understand the role of Geological Survey Ireland.
- To be able to navigate the [www.gsi.ie](http://www.gsi.ie) website
- To become familiar with the different layers e.g. relief, bedrock etc
- To find our own Geographical Location (or any location) on the Ordnance survey map
- To identify different rock types of their area/Ireland



**Geological Survey Ireland Spatial Resources**

Geological Survey Ireland, Department of the Environment, Climate and Communications

All Data | Geology | Geotechnical | Geological Heritage | Groundwater | Tellus | Geothermal | Landslides | Aggregate Potential | INFOMAR | EMODnet | Physiographic Units | GeoUrban | JIBS | Breifne | GOLDMINE

**All Data**  
View in full screen

If content doesn't display, please [clear your cache](#).

Geological Survey Ireland is a division of the Department of the Environment, Climate and Communications.

Geological Survey Ireland actively maintain and develop national and project based spatial datasets derived from our programmes: Geological Mapping, Groundwater, Geoenery, Landslides, Geological Heritage, Minerals, INFOMAR and Tellus.

This Public Data Viewer Series contains a comprehensive but not exhaustive list of spatial layers, which are of use to our stakeholders from Industry, Academia and the Public. This viewer is not meant to be used for a specific practice but rather enables the user to pick and choose what data to display, query and download at will.

View more information on the Geological Survey data, please visit our [geodata](#) (Data 3 Maps section). Should you have any query, please contact us at [duty.geologist@gsi.ie](mailto:duty.geologist@gsi.ie).

**Geological Survey**  
Suirbhéireacht Gheolaíochta  
Ireland | Éireann

As Naoinn Comhábair, Ainneolaíocht Comhábair  
Department of the Environment, Climate and Communications

**Public Data Viewer Series** Display Issues Help Data Download Geological Survey Ireland DECC

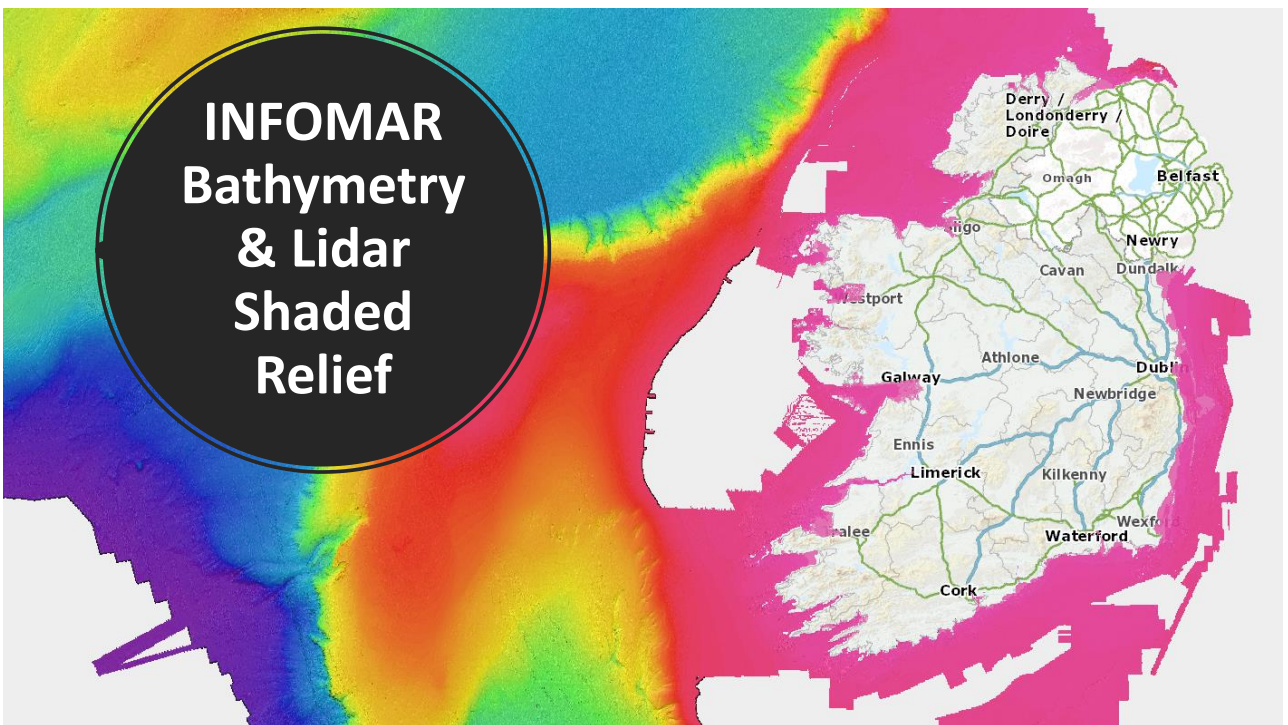
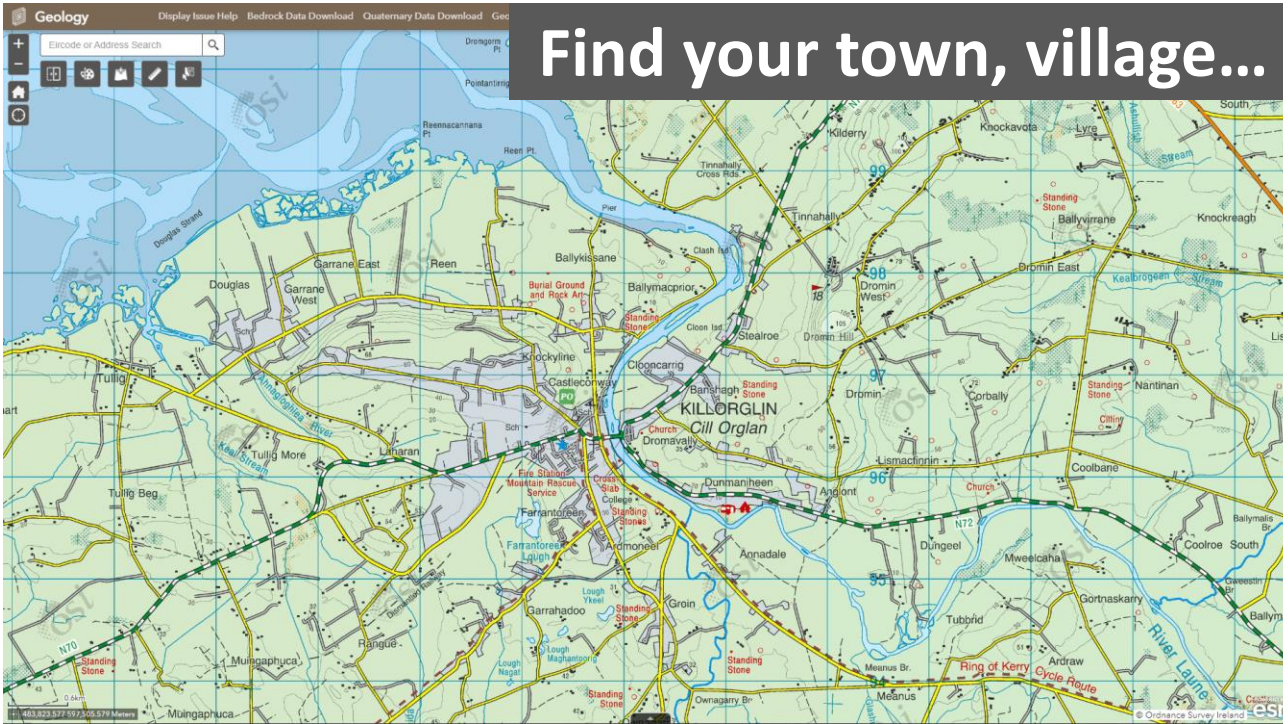
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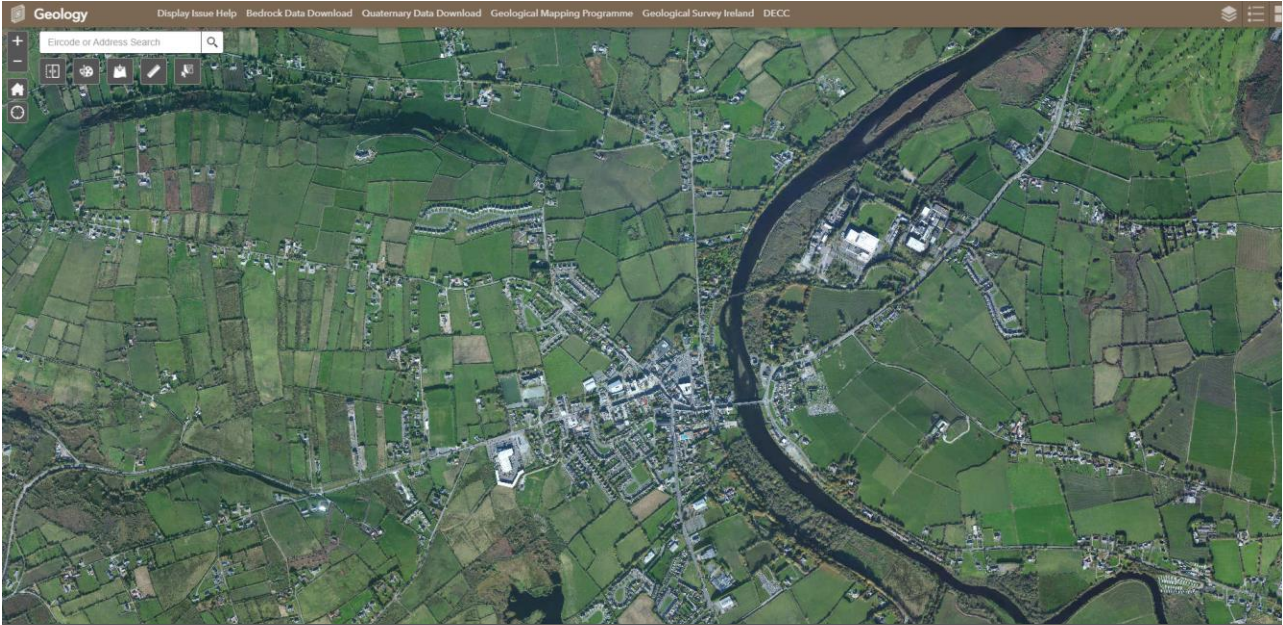
Layer List

Layers	
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<input type="checkbox"/> Bedrock 100k Sections	...
<input type="checkbox"/> Borehole Locations (Unverified)	...
<input type="checkbox"/> EXT GSI Geotechnical Sites	...
<input type="checkbox"/> EXT GSI Geotechnical Boreholes	...
<input type="checkbox"/> Groundwater Kest Data	...
<input type="checkbox"/> Groundwater Wells and Springs	...
<input type="checkbox"/> Groundwater Drinking Water Protection Areas	...
<input type="checkbox"/> Groundwater Catchment and WFD Management Units	...
<input type="checkbox"/> Groundwater Resources (Aquifers)	...
<input type="checkbox"/> Groundwater Bedrock Geology	...
<input type="checkbox"/> Groundwater Recharge	...

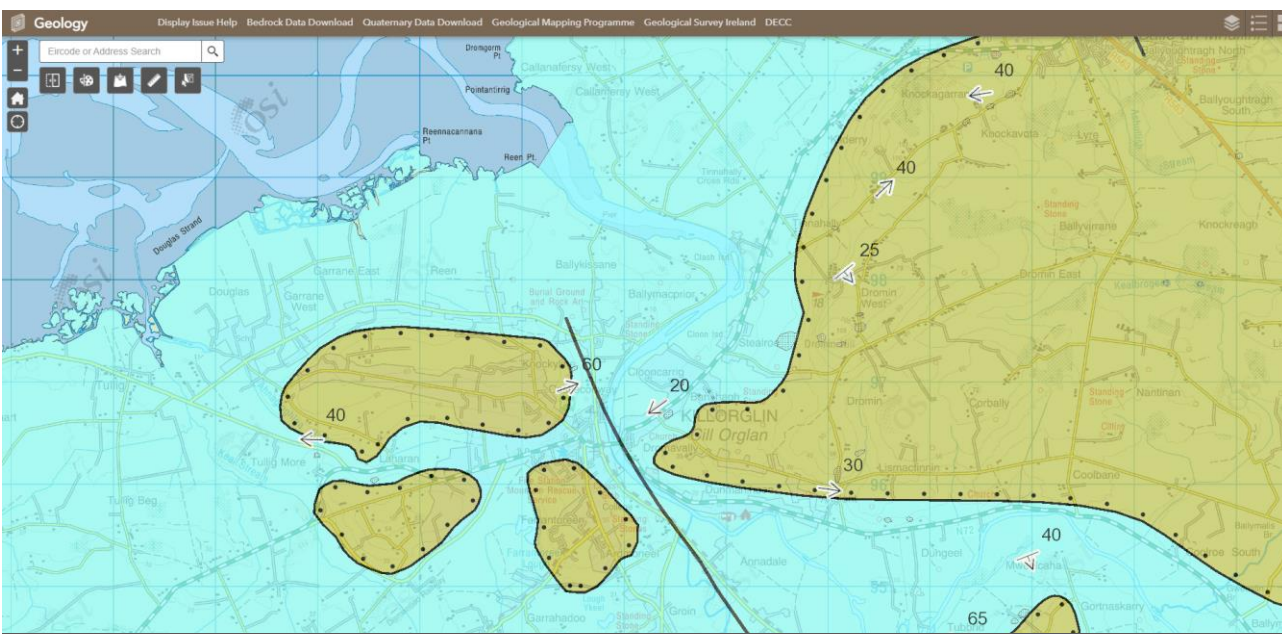
**The journey starts here**

© Ordnance Survey Ireland | INSS



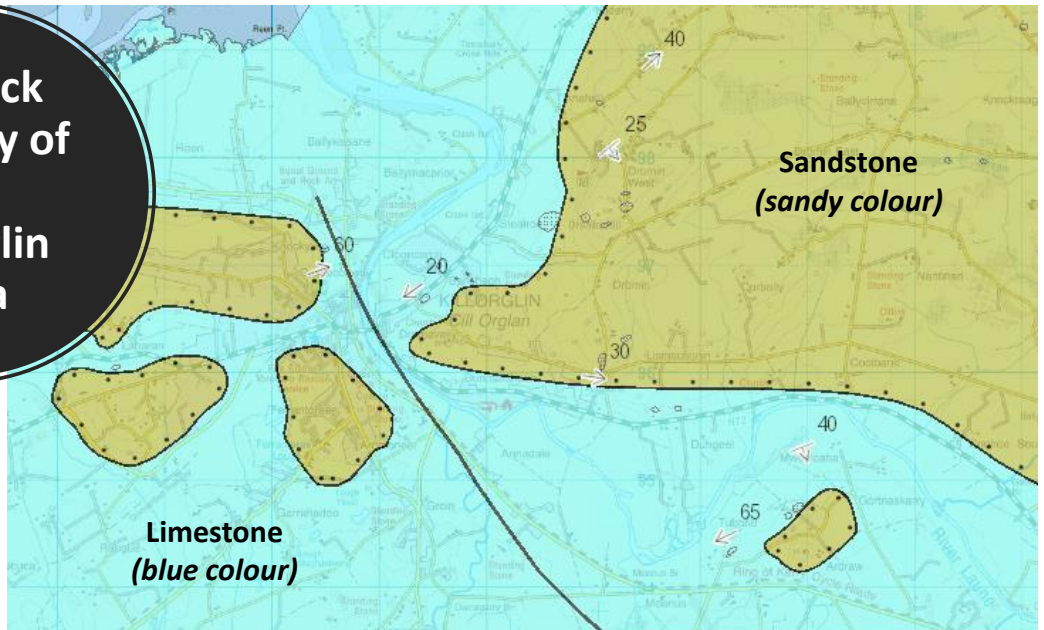


**What does the surface look like?**



**Find what's *under* your town, village...**

## Bedrock Geology of the Killorglin Area



**Goal of the Lesson :** To make geology accessible and recognise links to local information, features etc.

Students can work individually, in pairs or groups.  
Print maps to make posters?

### Additional Activities:

- Links to other parts of the GSI mapper that might be of interest
- Find out the age of the rocks
- See where the rocks fit on a global scale: [ics-chart \(stratigraphy.org\)](http://ics-chart.stratigraphy.org)
- Print the maps for local walks and site visits
- End of chapter: Identifying rock types- group activity (stations)