

Using the online GSI Groundwater site to fill out the EPA site characterisation form for a desk study

Please see attached map for the information available for the county where your site is located.

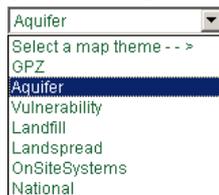
Information available on the website.

Aquifer classification and generalised bedrock map for the Republic of Ireland.
Aquifer, Vulnerability and Groundwater Protection Zone maps for counties with groundwater protection schemes which are digitised.

The Mapping Website is updated between 10am and 12am on Friday and is unavailable.

To access information for counties with a Ground Water Protection Scheme

1. Go to www.gsi.ie
2. Go to Groundwater Maps (on the Right hand side of the Home page), click on Now Online. A new page will open, the counties with a Ground Water Protection scheme which are digitised will be listed on the right hand side.
3. Go to select a map theme click on the arrow within that box to get the drop down menu, select Aquifer, to view aquifer classification maps.



4. Go to the list of counties, click/highlight the circle beside the county of interest to make it active (the screen will clear momentarily). Then click/highlight the square beside the county of interest to make the information visible.



5. Make sure both the circle and square are highlighted, go to the bottom of the list of counties and click on , wait as the sign Retrieving Map appears, the county of interest should then appear coloured in.



6. To navigate to your site see the option at the top of the screen. It is useful to be able to locate your site on a map. The grid co-ordinates for the position of the cursor on the map are given on the bottom right of the screen, it is useful to take note of these if you need to refer to the site.

It is not possible to zoom in beyond 1:25000 scale, the map disappears at smaller scales.

- To view the legend click on **Show Legend** at the bottom right hand side of the screen.
- To access most of the information available which is required for the EPA form, select the identify tool, **i** and click on your site. This will bring up a data box with the aquifer classification, vulnerability, ground water protection zone and responses. Using this function may be easier than relating the map colours to the legend.

Rec	Aquifer	Vulnerability	Source Protection Area	Groundwater Protection Zone	Landfill Response	Landspreading Response	On-Site-Systems Response	Link to Disclaimer and Response Matrix
1	LI	E	None	LI/E	R2(2)	R3(1)	R2(1)	asi

To access bedrock information for your site

- Close the data box that you opened in step 8. above and hide the legend (if visible) by clicking on **Hide Legend** at the bottom of the screen.
- Follow the instructions listed below for accessing the Aquifer classification and bedrock maps for the Republic of Ireland.

To access aquifer classification and Bedrock maps for the Republic of Ireland.

- Follow steps 1 and 2 outline above
- Go to select a map theme, click on the arrow on the right hand side of this box to access the drop down menu, select **National**.



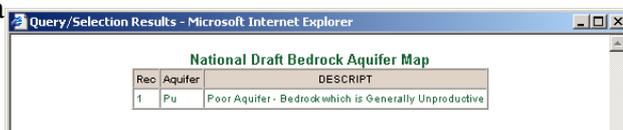
A new menu will appear on the right hand side of the screen, the National Draft Bedrock **Aquifer** Map and the National Draft Generalised **Bedrock** Map will be listed.



- Click/highlight the circle beside the map of interest to make it active (the screen will clear momentarily). Then click/highlight the square beside the map of interest to make the information visible.
- Make sure both the circle and square are highlighted the map of interest in the list, go to the bottom of the list of maps and click on **Refresh Map** and wait as the

sign Retrieving Map appears, the Republic of Ireland should then appear coloured in – as with the counties point 5.

5. To navigate to your site see point 6 above
6. To view the legend click on the  on the bottom right hand side of the screen.
7. Use the identify key  to verify the aquifer classification/bedrock type in your area



Rec	Aquifer	DESCRIP
1	Pu	Poor Aquifer - Bedrock which is Generally Unproductive

8. Always Check the National Draft Gravel aquifer Map for your site

Information which you can contact the GSI for - 01 6782782 or gsisalesl@gsi.ie

1. Vulnerability and Groundwater Protection Zone in counties which have a protection scheme which is not digitised ie. Waterford.
2. Teagasc subsoil information for selected counties (as shown on map)
3. Subsoil information for counties with Groundwater Protection Schemes which don't have Teagasc information