



### Submission

Submitter:	Trish Smullen
Submission Title:	Rec'd by email
Submission Reference No.:	S011294
Submission Received:	26 April 2022

### Application

Applicant:	Ballyfaskin Enterprises Ltd
Reg. No.:	P0915-02

See below for Submission details.

Attachments are displayed on the following page(s).

**From:** [Licensing Staff](#)  
**To:** [Aisling F Kehoe](#)  
**Subject:** FW: Reply from DECC re EIS 22/97 IE licence application at Ballyfaskin Enterprises Ltd Co. Limerick  
**Date:** Tuesday 26 April 2022 13:56:34  
**Attachments:** [22\\_97 IE licence application at Ballyfaskin Enterprises Ltd Co. Limerick.pdf](#)  
[GSI datasets relevant to EIA & SEA 20210421.pdf](#)

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**From:** CorporateSupport.Unit <CorporateSupport.Unit@decc.gov.ie>  
**Sent:** Tuesday 26 April 2022 12:57  
**To:** Licensing Staff <licensing@epa.ie>  
**Cc:** CorporateSupport.Unit <CorporateSupport.Unit@decc.gov.ie>; Planning Advisory <PlanningAdvisory@decc.gov.ie>  
**Subject:** Reply from DECC re EIS 22/97 IE licence application at Ballyfaskin Enterprises Ltd Co. Limerick

Good afternoon,

Please see attached and below a reply from Trish Smullen and Clare Glanville (Senior Geologist) on behalf of Geological Survey Ireland (a division of the Department of Environment, Climate and Communications) for the subject below. Please forward an acknowledgement of receipt to [CorporateSupport.Unit@decc.gov.ie](mailto:CorporateSupport.Unit@decc.gov.ie) at your earliest convenience.

Regards,  
Enda Brady,  
Corporate Support Unit.

Enda Brady,  
*Corporate Support Unit,*

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**An Roinn Comhshaoil, Aeráide agus Cumarsáide**  
*Department of the Environment, Climate and Communications*

**Teach Leamháin, Bóthar Ghleann an Iarla, An Cabhán, H12 A8H7**  
*Elm House, Earlsvale Road, Cavan, H12 A8H7*

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M +35387 623 7714 T +353 (0)1 6782308  
[CorporateSupport.Unit@decc.gov.ie](mailto:CorporateSupport.Unit@decc.gov.ie) [www.gov.ie/decc](http://www.gov.ie/decc)

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**From:** GSI Planning <[GSIPlanning@GSI.ie](mailto:GSIPlanning@GSI.ie)>  
**Sent:** Tuesday 26 April 2022 08:46  
**To:** CorporateSupport.Unit <[CorporateSupport.Unit@decc.gov.ie](mailto:CorporateSupport.Unit@decc.gov.ie)>  
**Cc:** Clare Glanville <[Clare.Glanville@decc.gov.ie](mailto:Clare.Glanville@decc.gov.ie)>; GSI Planning <[GSIPlanning@GSI.ie](mailto:GSIPlanning@GSI.ie)>  
**Subject:** RE: EIS 22/97 IE licence application at Ballyfaskin Enterprises Ltd Co. Limerick

Hi Enda,  
Please see attached for return the EPA.  
Thanks and regards,  
Trish

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**From:** GSI Planning  
**Sent:** 23 March 2022 17:14  
**Cc:** GSI Planning  
**Subject:** EIS 22/97 IE licence application at Ballyfaskin Enterprises Ltd Co. Limerick

EIS 22/97

Industrial Emissions licence for intensive agriculture at Ballyfauskeen, Ballylanders, Co.Limerick.  
Request for observations by the EPA via the CSU mailbox.

Regards,  
Erin

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**From:** noreply Reply <[noreply@epa.ie](mailto:noreply@epa.ie)>  
**Sent:** Wednesday 23 March 2022 09:54  
**To:** [aharvey@heritagecouncil.ie](mailto:aharvey@heritagecouncil.ie); [bord@pleanala.ie](mailto:bord@pleanala.ie); [chemicals@hsa.ie](mailto:chemicals@hsa.ie); CorporateSupport.Unit <[CorporateSupport.Unit@decc.gov.ie](mailto:CorporateSupport.Unit@decc.gov.ie)>; [environlicensing@fisheriesireland.ie](mailto:environlicensing@fisheriesireland.ie); [environment@limerick.ie](mailto:environment@limerick.ie); [environmental.health@hse.ie](mailto:environmental.health@hse.ie); [environmentalco-ordination@agriculture.gov.ie](mailto:environmentalco-ordination@agriculture.gov.ie); [EPA-Info@shannonproperties.ie](mailto:EPA-Info@shannonproperties.ie); [Fem.dau@housing.gov.ie](mailto:Fem.dau@housing.gov.ie); [IWenvironmental@water.ie](mailto:IWenvironmental@water.ie); [John.Spink@teagasc.ie](mailto:John.Spink@teagasc.ie); [minister@dtas.ie](mailto:minister@dtas.ie); [plandev@limerick.ie](mailto:plandev@limerick.ie); [planning.applications@failteireland.ie](mailto:planning.applications@failteireland.ie); [planning@antaisce.org](mailto:planning@antaisce.org); WPPR <[WPPR@decc.gov.ie](mailto:WPPR@decc.gov.ie)>  
**Subject:** EPA Notification – Licence Application/Review Received EPA013409

**CAUTION:** This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Dear Sir/Madam,

In accordance with the provisions of the applicable licensing regulations, you are being routinely notified that an application for a licence, details of which are set out below, was received by the Agency on 08 March 2022.

- <b>Licence Type:</b>	Industrial Emissions (IE)
- <b>Name and address of applicant:</b>	Ballyfaskin Enterprises Ltd, Ballyfauskeen, Ballylanders, Co. Limerick
- <b>Location of installation:</b>	Ballyfauskeen, Ballylanders, Co. Limerick, V35KV12
- <b>Reference No:</b>	P0915-02
- <b>EIS/EIAR submitted:</b>	Yes

**- Planning Authority to whom EIS/EIAR has been submitted:**

Limerick City & County Council,  
County Hall Limerick,

<b>Classes and Nature of Activity in accordance with the EPA Act 1992 as amended</b>			
<b>Class of Activity</b>	<b>Main Activity</b>	<b>EPA Act Sector (where applicable)</b>	<b>Class of Activity Description</b>
6.2 (b)	Yes	Intensive Agriculture	The rearing of pigs in an installation where the capacity exceeds - (b) 2,000 places for production pigs which are over 30kg

The EIS/EIAR is available for public inspection on the EPA website alongside

- i. any information provided to the Agency under paragraph (e) or (f)(ii)(II) of section 83(2A) of the EPA Act 1992;
- ii. any opinion issued by the Agency under section 83(2A)(de) of the EPA Act 1992 on the scope of the environmental impact assessment report.
- iii. any further information, including reports and advice, relating to the environmental impact assessment as may be furnished to the Agency in the course of the Agency's consideration of the application.

Submissions may be made in writing to the Agency in relation to the likely effects on the environment of the proposed activity within the period specified by the Agency on its website under Regulation 4(2)(c) of the licensing regulations.

The application is being processed by the Agency and you will be notified of the decision in due course. In this regard any comments in relation to this application should be forwarded to the Agency as soon as possible. A copy of the application and associated correspondence are available for public inspection on the Agency's website [www.epa.ie](http://www.epa.ie).

Please direct any queries that you may have in relation to the above to [licensing@epa.ie](mailto:licensing@epa.ie).

***Please note that there is no requirement for you to acknowledge receipt of this notice.***

**If you have no comments to make in relation to this application, there is no requirement for you to reply to the Agency.**

Yours sincerely,

Environmental Licensing Programme  
Office of Environmental Sustainability

Tel: 053 – 9160600

Disclaimer:

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Tá eolas sa teachtaireacht leictreonach seo (agus b'fhéidir sa chomhaid ceangailte leis) a d'fhéadfadh bheith príobháideach nó faoi rún. Is le h-aghaidh an duine/na ndaoine nó le h-aghaidh an aonáin atá ainmnithe thuas agus le haghaidh an duine/na ndaoine sin amháin atá an t-eolas. Murab ionann tusa agus an té a bhfuil an teachtaireacht ceaptha dó bíodh a fhios agat nach gceadaítear nochtadh, cóipeáil, scaipeadh nó úsáid an eolais agus/nó an chomhaid seo. Más trí earráid a fuair tú an teachtaireacht leictreonach seo cuir, más é do thoil é, an té ar sheol an teachtaireacht ar an eolas láithreach. Deimhnítear leis seo freisin nár aims odh víreas sa phost seo tar éis a scanadh.



Environmental Licensing Programme  
Office of Environmental Sustainability  
EPA  
Johnstown Castle Estate  
Wexford, Y35 W821

26 April 2022

**Re: IE licence application at Ballyfaskin Enterprises Ltd Co. Limerick**

**Your Ref: P0915-02**

**Our Ref: 22/97**

Dear Sir/Madam,

Geological Survey Ireland is the national earth science agency and is a division of the Department of the Environment, Climate and Communications. We provide independent geological information and advice and gather various data for that purpose. Please see our [website](#) for data availability. We recommend using these various data sets, when conducting the EIAR, SEA, planning and scoping processes. Use of our data or maps should be attributed correctly to 'Geological Survey Ireland'.

With reference to your email received on the 23 March 2022, concerning the IE licence application at Ballyfaskin Enterprises Ltd, Ballyfauskeen, Ballylanders, Co. Limerick, Geological Survey Ireland would encourage use of and reference to our datasets. Please find attached a list of our publicly available datasets that may be useful to the environmental assessment and planning process. We recommend that you review this list and refer to any datasets you consider relevant to your assessment. The remainder of this letter and following sections provide more detail on some of these datasets.

**We are pleased to see use of our Bedrock, Subsoils, Groundwater Vulnerability and Aquifer maps and datasets within the EIAR.**

**Geoheritage**

A national inventory of geoheritage sites known as County Geological Sites (CGSs) is managed by the Geoheritage Programme of Geological Survey Ireland. CGSs, as adopted under the National Heritage Plan, include sites that are of national importance which have been selected as the very best examples for NHA (Natural Heritage Areas) designation. NHA designation will be completed in partnership with the National Parks and Wildlife Service (NPWS). CGSs are now routinely included in County Development Plans and in the GIS of planning departments, to ensure the recognition and appropriate protection of geological heritage within the planning system. CGSs can be viewed online under the Geological Heritage tab on the online [Map Viewer](#).

The audit for Co. Limerick is due for publication at the end of April 2022. Unaudited CGSs can be viewed online under the Geological Heritage tab on the online [Map Viewer](#). The sites are listed in a master list of unaudited sites and are presented on Geological Survey Ireland's Map Viewer as sites with buffer zones but no specific site boundary.

The Curraghturk site is located approximately 2km from the proposed development site and was listed as a potential County Geological Site in the IGH 7 Quaternary Theme Master List, as well as on the original An Foras Forbartha Sites of Scientific Interest list from 1971, as an incised glacial spillway that had formed when the glacial lake in the Glen of Aherlow at the end of the last Ice Age drained away.

Upon visiting the site during the recent audit process, it was observed that though there is a marked incision into the northern footslopes of the ridge at Curraghturk, just south of Ballylanders, the channel itself is quite shallow, and only extends for a few hundred metres lateral distance and there is nothing marked or unusual about the Curraghturk channel. Hence this site is rejected as a County Limerick County Geological Site in the recent audit.



### **Groundwater**

Geological Survey Ireland's [Groundwater and Geothermal Unit](#), provides advice, data and maps relating to groundwater distribution, quality and use, which is especially relevant for safe and secure drinking water supplies and healthy ecosystems.

Proposed developments need to consider any potential impact on specific groundwater abstractions and on groundwater resources in general. We recommend using the groundwater maps on our [Map viewer](#) which should include: wells; drinking water source protection areas; the national map suite - aquifer, groundwater vulnerability, groundwater recharge and subsoil permeability maps. For areas underlain by limestone, please refer to the karst specific data layers (karst features, tracer test database; turlough water levels ([gwlevel.ie](#))). Background information is also provided in the Groundwater Body Descriptions. Please read all disclaimers carefully when using Geological Survey Ireland data.

[GWClimate](#) is a groundwater monitoring and modelling project that aims to investigate the impact of climate change on groundwater in Ireland. This is a follow on from a previous project (GWflood) and the data may be useful in relation to Flood Risk Assessment (FRA) and management plans. Maps and data are available on the [Map viewer](#).

**The Groundwater Vulnerability map indicates the area is classed as 'High'. The piggery operation is underlain by a 'Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones'.**

If the waste arising from the intensive poultry facility is being landspread, it should comply with the Licensed Landspreading Groundwater Protection Response and indicated site assessment requirements for the particular groundwater vulnerability, aquifer and source protection area setting, as well as the relevant current EPA guidelines.

The Licensed Landspreading document is here:

[https://www.gsi.ie/documents/Groundwater\\_Response\\_Matrix\\_for\\_Landspreading\\_of\\_Organic\\_Waste.pdf](https://www.gsi.ie/documents/Groundwater_Response_Matrix_for_Landspreading_of_Organic_Waste.pdf).

Geological Survey Ireland has completed Groundwater Protection Schemes (GWPSs) in partnership with Local Authorities, and there is now national coverage of GWPS mapping. A Groundwater Protection Scheme provides guidelines for the planning and licensing authorities in carrying out their functions, and a framework to assist in decision-making on the location, nature and control of developments and activities in order to protect groundwater. **The Limerick Groundwater Protection Response overview and link to the main reports is here:** <https://www.gsi.ie/en-ie/publications/Pages/Limerick-Groundwater-Protection-Scheme-Reports.aspx>.

I hope that these comments are of assistance, and if we can be of any further help, please do not hesitate to contact me Clare Glanville, or my colleague Trish Smullen at [GSIPlanning@gsi.ie](mailto:GSIPlanning@gsi.ie).

Yours sincerely,

Clare Glanville  
**Senior Geologist**  
**Geological Survey Ireland**

Enc: Table - Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes.



An Roinn Comhshaoil,  
Aeráide agus Cumarsáide  
Department of the Environment,  
Climate and Communications



**Geological Survey**  
Suirbhéireacht Gheolaíochta  
Ireland | Éireann



**Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes**  
following European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018  
(S.I. No. 296 of 2018)

Geological Survey Ireland Programme	Dataset	Relevant EIA Topic	Coverage	Description / Notes / Limitations	Link to Geological Survey Ireland map viewer
Geohazards	Landslide: National landslide database and landslide susceptibility map	Land & Soil/Climate/Landscape	National	Associated guidance documentation relating to the National Landslide Susceptibility Map is also available.	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=b68cf1e4a9044a5981f950e9b9c5625c">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=b68cf1e4a9044a5981f950e9b9c5625c</a>
Geohazards	Groundwater Flooding (Historic)	Water	Regional	Provide information of historic flooding, both surface water and groundwater. [A lack of flooding presented in any specific location of the map only indicates that a flood has not been detected. It does not indicate that a flood cannot occur in that location at present or in the future]	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc</a>
Geohazards	Groundwater Flooding (Predictive)	Water	Regional	Provides information on the probability of future karst groundwater flooding (where available). [The maps do not, and are not intended to, constitute advice. Professional or specialist advice should be sought before taking, or refraining from, any action on the basis of the flood maps]	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=848f83c85799436b808652f9c735b1cc</a>
Geohazards	Radon Map	Land & Soils/Air	National		<a href="http://www.epa.ie/radiation/radonmap/">http://www.epa.ie/radiation/radonmap/</a>
Geoheritage	County Geological Sites as adopted by National Heritage Plan and listed in County Development Plans	Land & Soils/Landscape	Regional	All geological heritage sites identified by Geological Survey Ireland are categorised as CGS pending any further NHA designation by NPWS.	<a href="https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=a30af518e87a4c0b2fbd2aaac3c228">https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=a30af518e87a4c0b2fbd2aaac3c228</a>
Geological Mapping	Bedrock geology:	Land & Soils	National	1:100,000 scale and associated memoirs.	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea91067e1b6ab8d58&amp;scale=0">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea91067e1b6ab8d58&amp;scale=0</a>
Geological Mapping	Bedrock geology:	Land & Soils	Regional	1:50,000 scale	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea91067e1b6ab8d58&amp;scale=0">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea91067e1b6ab8d58&amp;scale=0</a>
Geological Mapping	Quaternary geology: Sediments	Land & Soils	National	1:50,000 scale	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea91067e1b6ab8d58&amp;scale=0">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea91067e1b6ab8d58&amp;scale=0</a>
Geological Mapping	Quaternary geology: Geomorphology	Land & Soils	National	1:50,000 scale	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea91067e1b6ab8d58&amp;scale=0">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=de7012a99d2748ea91067e1b6ab8d58&amp;scale=0</a>
Geological Mapping	Physiographic units:	Land & Soils	National	Broad-scale physical landscape units mapped at 1:100,000 scale in order to be represented as a cartographic digital map at 1:250,000 scale	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=afa76a420f54877843aca1bc075c62b">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=afa76a420f54877843aca1bc075c62b</a>
Geological Mapping	GeoUrban: Spatial geological data for the greater Dublin and Cork areas	Land & Soils	Regional	Includes 3D models	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9768f4818b79416093beb2212a850ce6&amp;scale=0">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9768f4818b79416093beb2212a850ce6&amp;scale=0</a>
Geological Mapping	Geotechnical database	Land & Soils	National	Digitised geotechnical and Site Investigation Reports and boreholes which can be accessed through online downloads	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=a2718be1873d47a585a3f0415b4a724c">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=a2718be1873d47a585a3f0415b4a724c</a>
Goldmine	Historical data sets including geological memoirs and 6" to 1 mile geological mapping records	Land & Soils/Water	National	available online	<a href="https://secure.dcaa.gov.ie/goldmine/index.html">https://secure.dcaa.gov.ie/goldmine/index.html</a>
Groundwater & Geothermal	Groundwater resources (aquifers)	Water	National	Data limited to 1:100,000 scale; sites should be investigated at local scale	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef</a>
Groundwater & Geothermal	Groundwater recharge.	Water	National	Data limited to 1:40,000 scale; sites should be investigated at local scale; long term annual average recharge	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef</a>
Groundwater & Geothermal	Groundwater vulnerability.	Water	National	Data limited to 1:40,000 scale; sites should be investigated at local scale	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef</a>
Groundwater & Geothermal	Group scheme and public supply source protection areas.	Water	National	Not all PWS / GWS have SPZ / ZOC. Check with IW / coco / NFGWS for private supplies.	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef</a>
Groundwater & Geothermal	Groundwater Protection Schemes	Water	National	Data is limited to scale of 1:40,000. Data does not include all of the source protection areas	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef</a>
Groundwater & Geothermal	Catchment and WFD management units.	Water	National		<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef</a>
Groundwater & Geothermal	karst specific data layers	water	National	For areas underlain by limestone, includes karst features, tracer test database; turf/rough water levels (gwlevel.ie)	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef</a>
Groundwater & Geothermal	Wells and Springs	Water	National	Not comprehensive, there may be unrecorded wells and springs	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef</a>
Groundwater & Geothermal	Groundwater body Descriptions	Water	National	Not exhaustive; only those in designated SACs; could be other GWDTEs; for more information contact NPWS / EPA / site investigations Also, Roadmap for a Policy and Regulatory Framework for Geothermal Energy, November 2020	<a href="https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geothermal-unit/activities/understanding-ireland-groundwater/Pages/Groundwater-bodies.aspx">https://www.gsi.ie/en-ie/programmes-and-projects/groundwater-and-geothermal-unit/activities/understanding-ireland-groundwater/Pages/Groundwater-bodies.aspx</a>
Groundwater & Geothermal	Geothermal Suitability maps	Land & Soils/Water	National		<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9eae46bee08de41278b90a991460c0b9e">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=9eae46bee08de41278b90a991460c0b9e</a>
Marine & Coastal Unit	INFOMAR - Ireland's national marine mapping programme; providing key baseline data for Ireland's	Water	National		<a href="https://secure.dcaa.gov.ie/GSI/INFOMAR_VIEWER/">https://secure.dcaa.gov.ie/GSI/INFOMAR_VIEWER/</a>
Marine & Coastal Unit	CHERISH - Coastal change project (Climate, Heritage and Environments of Reefs, Islands, and Headlands)	Water	Regional		<a href="http://www.cherishproject.eu/en/">http://www.cherishproject.eu/en/</a>
Marine & Coastal Unit	Coastal Vulnerability Index (CVI).	water / Land & Soils	Regional	Currently the project is being carried out on the east coast and will be rolled out nationally	<a href="https://www.gsi.ie/en-ie/programmes-and-projects/marine-and-coastal-unit/projects/Pages/Coastal-Vulnerability-Index.aspx">https://www.gsi.ie/en-ie/programmes-and-projects/marine-and-coastal-unit/projects/Pages/Coastal-Vulnerability-Index.aspx</a>
Minerals	Aggregate potential	Land & Soils/Material Assets	National	Consideration of mineral resources and potential resources as a material asset which should be explicitly recognised within the environmental assessment process	<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956</a>
Minerals	Active quarries	Land & Soils	National		<a href="https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956">https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=ee8c4c285a49413aa6f1344416dc9956</a>
Minerals	Historic mines	Land & Soils/Cultural Heritage	National	Inventory and Risk Classification 2009. Environmental Protection Agency, Economic Minerals Division and Geological Survey Ireland (DECC).	<a href="https://gis.epa.ie/EPAMaps/default?zesting=7&amp;northing=7&amp;lid=EPA:LEMA_Facilities_Extractive_Facilities">https://gis.epa.ie/EPAMaps/default?zesting=7&amp;northing=7&amp;lid=EPA:LEMA_Facilities_Extractive_Facilities</a> <a href="https://www.epa.ie/enforcement/mines/">https://www.epa.ie/enforcement/mines/</a>
Tellus	Geochemical data: multi-element data for shallow soil, stream sediment and stream water	Land & Soils	Regional	A national mapping programme	<a href="https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72754">https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72754</a>
Tellus	Airborne geophysical data including radiometrics, electromagnetics and magnetics	Land & Soils	Regional	A national mapping programme	<a href="https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72754">https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72754</a>
Tellus	urban geochemistry mapping (Dublin SURGE project).	Land & Soils	Regional		<a href="https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72754">https://dcenr.maps.arcgis.com/apps/MapSeries/index.html?appid=6304e122b733498b99642707f72754</a>

- Notes:  
**1. The maps and data listed above are available on the Geological Survey Ireland map viewer <https://www.gsi.ie/en-ie/data-and-maps/Pages/default.aspx>**  
**2. Please read all disclaimers carefully when using Geological Survey Ireland data**  
**3. Geological Survey Ireland and Irish Concrete Federation published guidelines for the treatment of geological heritage in the extractive industry in 2008.**