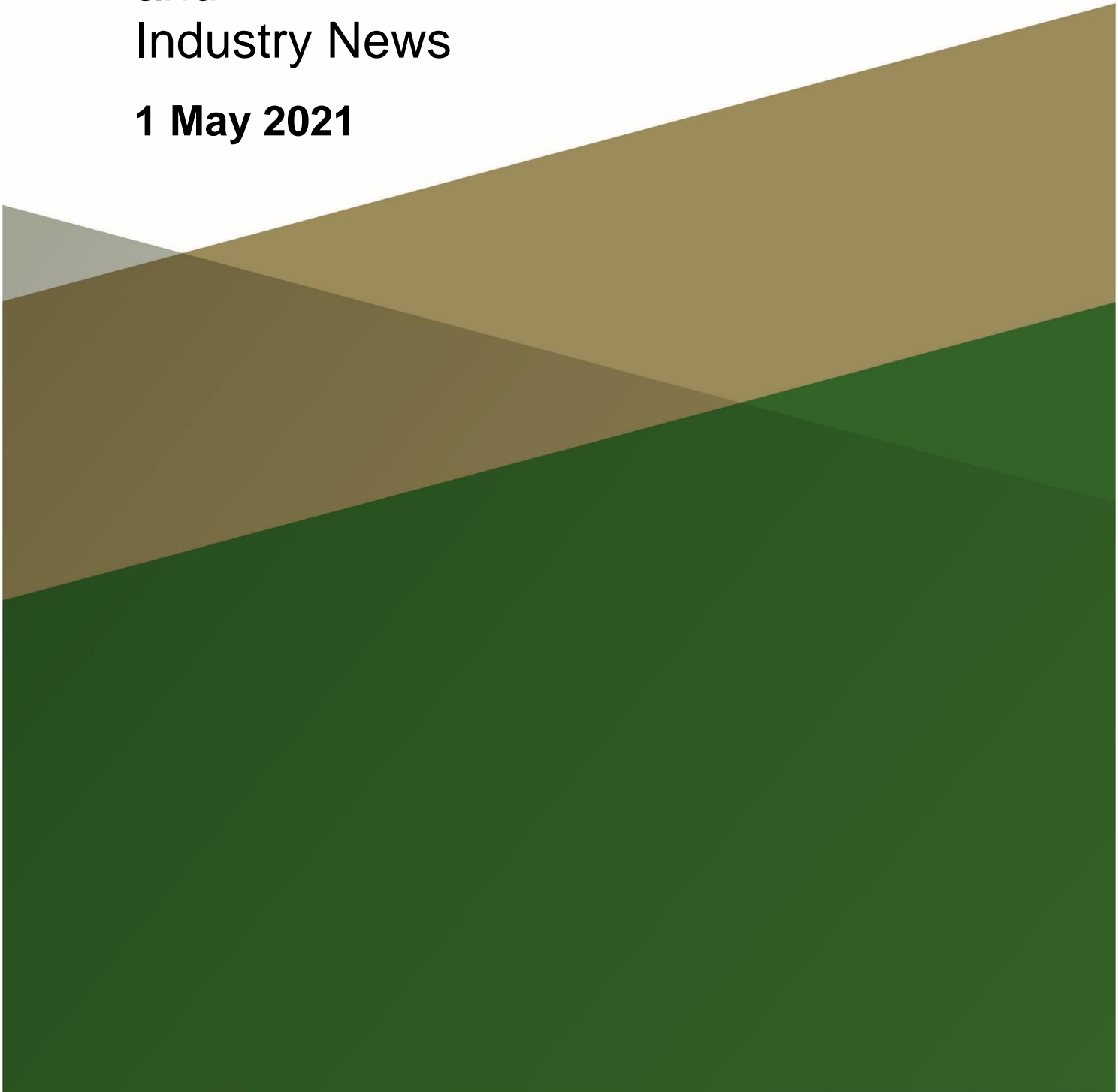




An Roinn Comhshaoil,  
Aeráide agus Cumarsáide  
Department of the Environment,  
Climate and Communications

# Prospecting Licence Areas Open for Application Under Competition and Industry News

**1 May 2021**



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All information is also available at [www.mineralsireland.ie](http://www.mineralsireland.ie)

## Ground Status and Application Procedure

This booklet contains listed details of all current prospecting and mining facilities. Details include the names of the licensees, the geographical location and, with reference to prospecting licences, the details of the minerals for which they have been issued. The locations of these prospecting licences and mining facilities, as well as ground that is available for application is available in an online facility maintained by this Department and accessible at <http://www.mineralsireland.ie/OnlineServices>.

### Available Ground

Ground that is available for exploration under a Prospecting Licence (PL) is available online through

<https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=212642ca425f4739a36e247c64032b73>

1. Ground Categories
  - a. **Open areas (Green/Pale Green):** Established licence areas available for application at any time are identified by their number. Those areas coloured pale green attract exploration incentives (see Incentive Areas below).
  - b. **Held areas (Red):** Current prospecting licences and recently offered licences are restricted to certain minerals (p.10-25). Such ground is available for application for prospecting for other minerals.
  - c. **Competition areas (Yellow):** Available Prospecting Licence areas for this competition are listed on page 9.
2. Prospecting Licence Terms

A prospecting licence typically covers an area of 35 km<sup>2</sup>. Prospecting licences are issued for a period of six years (maximum) for specified minerals and can be renewed. A minimum expenditure per licence is required, and varies with the age of the licence (see table below). A minimum work programme is also required, details of which are agreed with the licensee. Progressively increased work and expenditure commitments are required on renewal. Work reports are required every two years, and are held confidential for six years thereafter, or

until expiry or surrender of the licence. Third party insurance, indemnifying the Minister, is required for the period of the licence.

### 3. Incentive Areas

Significant financial incentives are available for the first six years of exploration on relatively neglected areas or areas where current exploration is restricted to certain minerals. The incentives consist of substantially reduced fees and expenditure requirements, and are designed to provide scope for relatively inexpensive "grass roots" exploration, in order to encourage work in areas where results of earlier exploration had failed to produce sufficient encouragement to the licensee.

The incentives apply to two categories of ground:

- a. **Open Areas** where these Prospecting Licence areas have been available for application for more than four years.
- b. **Areas currently licensed for certain minerals**, but available for exploration for other minerals. Currently licensed areas for which exploration may be undertaken for other minerals are listed on pages 10-25.

**Open Areas available for more than four years:** Where a previously issued Prospecting Licence area has been available for application for at least four years, the licence will be granted, normally, for a term of six years. A reduced fee of €1,250 per Prospecting Licence will apply, payable in advance for each two-year phase as €375 for each of the first and second phases, and €500 for the third phase. This represents a reduction of €1,875 (60%) in fees compared to the standard requirements. (There is no reduction in the application fee).

**Currently Licensed Areas:** Ground is also available to companies that wish to undertake exploration over areas currently held, for minerals that are not assigned to the current prospecting licence holder. Such additional prospecting licences will only be issued where the Minister for Environment, Climate and Communications is satisfied that there will be no clash of mineral interests. The current prospecting licence holder continues to hold a standing Statement of Interest for all other minerals in that area. The fees and expenditure

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requirements will be the same as for prospecting licences that have been available for over four years i.e. the 'Open Areas' Incentive category (see above).

Fees	Competition / Standard Areas	Incentive Areas
First 2 years	€750	€375
Second 2 years	€875	€375
Third 2 years	€1,500	€500
TOTAL	€3,125	€1,250
Minimum Expenditure Requirements		
First 2 years	€10,000	€2,500
Second 2 years	€15,000	€5,000
Third 2 years	€20,000	€10,000
TOTAL	€45,000	€17,500

## Ground Unavailable

Ground unavailable for application is differentiated as follows:

- Licences under application, and that have been offered to the applicant
- Licence areas that are currently not being made available for application
- Licences that have been applied for under earlier competition
- Excluded areas e.g. National Parks: These are areas that are not available for application at any time.
- Current Prospecting Licences for certain minerals, Mining Leases, Mining Licences and Mining Permissions

## Application Procedures

While applications are invited for all categories of available ground, it should be understood that an area may have been already applied for, and that applications are treated on a time-priority basis i.e. "first come, first served". Before making an application for any open area, prospective applicants may wish to consult with the GeoScience Regulation Office to ascertain whether there has been a prior application for the area. If there has been a prior application, and if a licence has been offered, the ground is not available for further applications. The acceptance of an application for a Prospecting Licence does not create any obligation on the part of the Minister to grant a licence.

Where there is a valid Statement of Interest over ground that is being applied for, the applicant will be so notified (but no other details provided), and invited to revise their application if they wish to do so.

Applicants are reminded that, if more than one area is applied for, a priority listing of the applications is required; otherwise all applications will be regarded as having equal priority. If separate applications are made over a period of time, the priorities should also take account of any earlier applications. It should be noted that where expenditure proposals are above the minimum required (e.g. in a Competition), these will be taken as the minimum expenditure requirement when the ground is offered to the successful applicant.

All applications for prospecting licences must be made using Form 1 (Application Form), accompanied by a fee of **€190.00 per Prospecting Licence Area**. The form is available to download at <http://www.mineralsireland.ie/OnlineServices/Forms>

Applications may be made to [GSRO@decc.gov.ie](mailto:GSRO@decc.gov.ie) or by post to:

Geoscience Regulation Office

Department of Environment, Climate and Communications

29/31 Adelaide Road

Dublin D02 X285

## Payments to the Department of Environment Climate and Communications

The Department can accept payment by Electronic Fund Transfer (EFT) only. Each payment **must** quote your 5-digit customer number. For assistance or for first time applicants please contact GSRO directly.

Each payment must be followed by remittance notice detailing

1. Name and address
2. Your five digit customer number (eg. 12345)
3. The date and amount paid into the Department's EFT Account
4. A listing of the specific Department invoice number(s) to which the payment refers.
5. Where no invoice has issued a detailed description of purpose of the payment.

The remittance notice can be sent to [AccountsReceivable@DECC.gov.ie](mailto:AccountsReceivable@DECC.gov.ie) or by mail to Accounts Receivable, Department of Environment, Climate and Communications , Elm House, Earlsvale Road, Cavan, H12 A8H7.

**All payments are to be made in Euro.** Applicants should be aware that bank charges can apply, particularly when applying from overseas. Provision should be made for these charges by the applicant to ensure the full amount is received in the Department's account. Failure to do so will lead to delays in applications being accepted.

Bank Details	Danske Bank
Account Name	Department of the Environment, Climate and Communications Accounts Receivable
Account No.	0000 1058
Bank Sort Code	95 15 99
IBAN	IE31 DABA 9515 9900 0010 58
BIC	DABAIE2D



The Department cannot accept any responsibility for payments that cannot be identified due to lack of information. Should you have any queries please contact Accounts Receivable at (01) 678 2000.

## Prospecting Licence Competition

### Procedures

Every three months, a Competition is held for certain Prospecting Licence areas. The competition relates to areas for which licences have been surrendered or terminated, or that have been offered but declined, in the previous three months. Previously unavailable ground may also be released through competition. Interested parties normally have two months in which to apply for a licence over a competition area, with all applications received during that period deemed to have been received at the same time i.e. no time priority is given to applications received during those months.

It should be noted that no reduction in financial commitment by aggregating expenditure from contiguous areas will be accepted for the first two-year phase for any licence area awarded under competition.

Prospecting licences available for application under Competition will be published usually on the 1<sup>st</sup> February, 1<sup>st</sup> May, 1<sup>st</sup> August and 1<sup>st</sup> November of each year. They consist of a list of prospecting licence areas that have become available for application under equal competition, together with details of how to apply, and a listing of prospecting licences issued or offered and advertised since the previous publication.

Maps and information on currently held Prospecting Licence areas are available through <https://www.gov.ie/en/service/2f592-map-viewer/>. Updates to competitions are available on our competition page at <http://www.mineralsireland.ie/ExplorationLicensingProcess/ProspectingLicenceCompetitions.htm>.

# Prospecting Licence Areas Open for Application under Competition

## 1 May 2021 – Evaluation of Applications

1. In order that interested parties have an equal chance of applying for newly available ground, four times yearly (on 1 February, 1 May, 1 August and 1 November) a Competition list is published of licence areas that have been;
  - i. recently surrendered,
  - ii. offered to competitors but not accepted or
  - iii. made open for application following a period of non-availability.
  
2. Applications made in the following two months will then be considered on their respective merits, without any regard to time priority. A technical evaluation team will evaluate the candidate companies' applications against the following (weighted) criteria.

Criteria		Marks
Quality of exploration programme:		45
Proposed exploration expenditure	20	
Coherence/Applicability/Comprehensiveness	15	
Dynamic nature of the programme (i.e. tempo of work programme)	10	
Availability of funds		15
Funds at hand	10	
Funds that can be made available	5	
Applicant track record, experience of applicants and the quality of their previous work.		20
Proximity of ground to PLAs held by the applicant (where relevant)		5
Quality of PL application		15
Total		100

3. The licence(s) will be offered to the successful applicant. Should the successful applicant choose to decline the licence offer, the licence(s) will then be offered to the next best qualified applicant.
4. The licensee will be required to fully meet the expenditure commitments and work programme stipulated in their successful application.

## Competition Areas

Prospecting Licence Areas available under competition for the period

1<sup>st</sup> May 2021 to 30<sup>th</sup> June 2021

PL Area	County	PL Area	County	PL Area	County
1051	Cavan	3426	Tipperary	3727	Tipperary
1053	Meath	3465	Wexford	3729	Clare
1185	Wexford	3466	Wexford	3878	Tipperary
1190	Wexford	3476	Tipperary	3925	Meath
1450	Meath/Dublin	3477	Tipperary	3926	Meath
1991	Meath	3589	Westmeath	4081	Wexford
2564	Tipperary	3668	Tipperary	4504	Cork
2836	Meath	3670	Tipperary	4505	Cork
2964	Donegal	3677	Tipperary	626	Tipperary
3062	Donegal	3678	Tipperary	627	Tipperary
3425	Tipperary				

# State Mining And Prospecting Facilities

## State Mining Facilities

### 1. Mining Licences

SML No	Licensee	Issued	County	Valid To
2	Boliden Tara Mines Ltd.	03.07.1998	Meath	30.11.2023
3	Boliden Tara Mines Ltd.	03.07.1998	Meath	30.11.2023
4	Boliden Tara Mines Ltd.	11.09.2000	Meath	30.11.2023
5	Boliden Tara Mines Ltd.	15.01.2004	Meath	30.11.2023
11	Vedanta Lisheen Mining Ltd., Killoran Lisheen Mining Ltd. & Lisheen Milling Ltd.	08.01.2013	Tipperary	06.10.2027
12	Boliden Tara Mines Ltd.	22.04.2013	Meath	30.06.2021

### 2. Mining Leases

SML No	Lessee	Issued	County	Valid To
17	Joyce's Marble Quarries Ltd.	01.10.1933	Galway	30.09.2032
23	Fleming's Fireclays Ltd.	01.03.1935	Laois	29.02.2032
30	Connemara Marble Products Ltd.	01.11.1937	Galway	31.10.2034
37	Fleming's Fireclays Ltd.	14.11.1940	Laois	13.11.2039
79	Joyce's Marble Quarries Ltd.	01.12.1957	Galway	30.11.2056
139	Irish Gypsum Ltd.	12.11.2002	Monaghan/ Cavan	11.11.2032
140	Vedanta Lisheen Mining Ltd. Killoran Lisheen Mining Ltd. & Lisheen Milling Ltd.	07.10.1997	Tipperary	06.10.2027
144	Boliden Tara Mines Ltd.	01.07.2006	Meath	30.06.2021
146	Boliden Tara Mines Ltd.	01.12.2013	Meath	30.11.2023
147	Boliden Tara Mines Ltd.	01.12.2013	Meath	30.11.2023

Further details concerning the individual State Mining Facilities (minerals, royalties, etc.) are published in the Six Monthly Report to the Oireachtas by the Minister for Environment, Climate and Communications in accordance with the Minerals Development Acts, 1940-1999. Six Monthly Reports are available at <http://www.mineralsireland.ie/LegislationFeesAndPolicy/SixMonthlyReports.htm>

## Prospecting Licences Held

All prospecting licences are restricted to certain minerals and hence the PL areas in question are available for application for other minerals (although the current holder is deemed to have a standing Statement of Interest for all these other minerals). The licensed minerals are abbreviated as follows: Base metals (Bm); Barytes (b); Gold, Ores of (g); Silver, Ores of (s); Platinum Group Elements, Ores of (PGE), Rare Earth Elements, Ores of (REE); Molybdenum, Ores of (Mo); Beryllium, Ores of (Be); Cs, Ores of (Cs); Lithium, Ores of (Li); Niobium, Ores of (Nb); Rubidium, Ores of (Rb); Tantalum, Ores of (Ta); Tin, Ores of (Sn); Tungsten, Ores of (W); Manganese, Ores of (Mn); Cobalt, Ores of (Co); Iron, Ores of (Fe).

There are 432 Licences held on 1<sup>st</sup> May 2021.

PL Area	Licensee	Start Date	County	Minerals
184	Longford Zinc Mining Ltd.	13-04-2018	Longford	Bm, b, s, g, PGE
185	Diversified Asset Holdings Pty. Ltd.	03-09-2014	Longford	Bm, b, s, g, PGE, Fe
186	Diversified Asset Holdings Pty. Ltd.	03-09-2014	Longford	Bm, b, s, g, PGE, Fe
350	Group Eleven Mining and Exploration Ltd.	12-02-2015	Tipperary	Bm, b, s, g
405	Unicorn Mineral Resources Ltd.	20-03-2015	Waterford	Bm, b, s, g, PGE
415	Firecrest Resources Ltd.	26-02-2020	Wicklow	Bm, s, g, PGE, REE, Li
449	TILZ Minerals Ltd.	31-01-2005	Limerick	Bm, b, s, g, PGE
450	TILZ Minerals Ltd.	31-01-2005	Limerick	Bm, b, s, g, PGE
468	Group Eleven Mining and Exploration Ltd.	04-11-2016	Tipperary/ Limerick	B, s, g
580	Longford Zinc Mining Ltd.	13-04-2018	Longford	Bm, b, s, g, PGE
581	Longford Zinc Mining Ltd.	13-04-2018	Longford	Bm, b, s, g, PGE
622	Ballinalack Resources Ltd.	20-02-2006	Longford	Bm, b, s, g, PGE
635	Glencore Zinc Ireland Ltd.	06-12-1996	Limerick	Bm, b, s
636	Glencore Zinc Ireland Ltd.	06-12-1996	Limerick	Bm, b, s
666	Longford Zinc Mining Ltd.	13-04-2018	Longford	Bm, b, s, g, PGE
667	Longford Zinc Mining Ltd.	13-04-2018	Longford	Bm, b, s, g, PGE
735	Unicorn Mineral Resources Ltd.	20-03-2015	Waterford	Bm, b, s, g, PGE
743	Tullyduff Explorations	22-05-2019	Mayo	Bm, b, s, Calcite
754	Unicorn Mineral Resources Ltd.	28-02-2019	Laois	Bm, b, s
757	Erris Zinc Ltd.	26-08-2013	Sligo	Bm, s, g
786	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g
890	Raptor Resources Ltd.	08-05-2017	Offaly	Bm, b, s, g
1022	Beal Na Blath Resources Ltd.	17-12-2018	Mayo	Bm, b, s, g, PGE, Mb

PL Area	Licensee	Start Date	County	Minerals
1102	Boliden Tara Mines Ltd.	22-06-2018	Galway	Bm, b, s, g
1178	Teck Ireland Ltd.	08-08-2006	Offaly	Bm, b, s, g, PGE
1181	Teck Ireland Ltd.	26-06-2006	Westmeath	Bm, b, s, g, PGE
1188	Minerex Ltd.	03-04-2019	Wexford	Bm, s, g
1191	Minerex Ltd.	03-04-2019	Wexford	Bm, s, g
1196	Minerex Ltd.	03-04-2019	Wexford	Bm, s, g
1198	Minerex Ltd.	03-04-2019	Wexford	Bm, s, g
1199	IMC Exploration Ltd.	09-10-2018	Wexford	Bm, s, g
1200	IMC Exploration Ltd.	09-10-2018	Wexford	Bm, s, g
1228	Minco Ireland Ltd.	03-11-2015	Westmeath	Bm, b, s, g
1229	Minco Ireland Ltd.	03-11-2015	Westmeath	Bm, b, s, g
1245	Teck Ireland Ltd.	12-02-2012	Westmeath	Bm, b, s, g, PGE
1316	Teck Ireland Ltd.	26-01-2012	Kildare	Bm, b, s, g, PGE
1317	Teck Ireland Ltd.	26-01-2012	Kildare	Bm, b, s, g, PGE
1318	Teck Ireland Ltd.	26-01-2012	Kildare	Bm, b, s, g, PGE
1319	Teck Ireland Ltd.	12-02-2012	Meath	Bm, b, s, g, PGE
1322	Boliden Tara Mines Ltd.	16-12-2005	Meath	Bm, b, s, g
1323	Boliden Tara Mines Ltd.	16-12-2005	Meath	Bm, b, s, g
1324	Boliden Tara Mines Ltd.	16-11-1995	Meath	Bm, b, s
1325	Boliden Tara Mines Ltd.	16-12-2005	Meath	Bm, b, s, g
1327	Boliden Tara Mines Ltd.	20-04-2011	Meath	Bm, b, s, g
1331	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
1332	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
1333	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
1334	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
1338	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
1339	Boliden Tara Mines Ltd.	16-12-2005	Meath	Bm, b, s, g
1341	Boliden Tara Mines Ltd.	25-01-2007	Offaly	Bm, b, s, g
1343	Boliden Tara Mines Ltd.	15-11-2006	Offaly	Bm, b, s, g
1344	Ballinalack Resources Ltd.	30-11-2005	Westmeath	Bm, b, s, g, PGE
1345	Ballinalack Resources Ltd.	30-11-2005	Westmeath	Bm, b, s, g, PGE
1346	Ballinalack Resources Ltd.	30-11-2005	Westmeath	Bm, b, s, g, PGE
1347	Group Eleven Mining and Exploration Ltd.	02-07-2019	Westmeath	Bm, b, s, g, PGE
1349	Teck Ireland Ltd.	12-02-2012	Westmeath	Bm, b, s, g, PGE
1356	Great Glen Resources Ltd.	26-07-2019	Monaghan	Bm, b, s, g
1357	Great Glen Resources Ltd.	26-07-2019	Monaghan	Bm, b, s, g
1362	Boliden Tara Mines Ltd.	22-06-2018	Galway	Bm, b, s, g
1431	Gold Note Minerals Ltd.	21-06-2013	Galway	Bm, s, g
1457	Group Eleven Mining and Exploration Ltd.	19-08-2019	Limerick	Bm, b, s
1473	Blackstairs Lithium Ltd.	28-02-2020	Wicklow	Bm, Cs, Li
1476	Blackstairs Lithium Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
1496	Rennicks and Bennett Ltd.	16-08-1971	Meath	Bm, b, s
1500	Teck Ireland Ltd.	24-06-2017	Meath	Bm, b, s, g, PGE
1555	Foresight Exploration Ltd.	07-11-2016	Waterford	Bm, b, s
1556	Foresight Exploration Ltd.	07-11-2016	Waterford	Bm, b, s
1562	Beal Na Blath Resources Ltd.	17-12-2018	Mayo	Bm, b, s, g, PGE, Mb

PL Area	Licensee	Start Date	County	Minerals
1575	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
1583	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	Bm, b, s, g,
1584	Group Eleven Mining and Exploration Ltd.	10-11-2016	Limerick	Bm, b, s, g
1601	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
1604	Teck Ireland Ltd.	30-11-2015	Kildare	Bm, b, s, g, PGE
1624	Boliden Tara Mines Ltd.	04-08-2017	Offaly	Bm, b, s, g
1628	Raptor Resources Ltd.	22-05-2020	Offaly	Bm, b, s, g, PGE
1630	Teck Ireland Ltd.	30-11-2015	Kildare	Bm, b, s, g, PGE
1631	Teck Ireland Ltd.	30-11-2015	Kildare	Bm, b, s, g, PGE
1640	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
1641	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
1650	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
1652	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
1653	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
1660	Erris Zinc Ltd.	26-08-2013	Sligo	Bm, s, g
1700	Boliden Tara Mines Ltd.	03-07-2014	Galway	Bm, b, s, g
1715	Blackstairs Lithium Ltd.	28-02-2020	Wicklow	Bm, Cs, Li
1716	Firecrest Resources Ltd.	26-02-2020	Wicklow	Bm, s, g, PGE, REE, Li
1788	Boliden Tara Mines Ltd.	03-07-2014	Galway	Bm, b, s, g
1789	Boliden Tara Mines Ltd.	22-06-2018	Galway	Bm, b, s, g
1791	Boliden Tara Mines Ltd.	22-06-2018	Galway	Bm, b, s, g
1802	BMEx Pty Ltd.	02-10-2017	Longford	Bm, b, s, g
1803	BMEx Pty Ltd.	02-10-2017	Longford	Bm, b, s, g
1870	Conroy Gold and Natural Resources Plc	05-09-2019	Monaghan	Bm, b, s, g
1947	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	Bm, b, s, g
1948	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	Bm, b, s, g
1949	Unicorn Mineral Resources Ltd.	29-09-2016	Limerick	Bm, b, s, g
1966	Foresight Exploration Ltd.	07-11-2016	Waterford	Bm, b, s
1967	Foresight Exploration Ltd.	07-11-2016	Waterford	Bm, b, s
2021	Adventus Zinc Ireland Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
2024	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
2026	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
2027	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
2029	Group Eleven Mining and Exploration Ltd.	18-12-2015	Kerry	Bm, b, s, g
2062	Teck Ireland Ltd.	26-06-2006	Kildare/Offaly	Bm, b, s, g, PGE
2063	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
2083	Oriel Selection Trust Ltd.	08-06-2018	Donegal	Bm, b, s, g, PGE, REE, Li
2085	Oriel Selection Trust Ltd.	12-12-2016	Donegal	Bm, b, s, g, PGE, REE, Li
2087	Oriel Selection Trust Ltd.	12-12-2016	Donegal	Bm, b, s, g, PGE, REE, Li
2115	Oriel Selection Trust Ltd.	25-02-2010	Donegal	Bm, b, s, g, PGE, REE
2194	Conroy Gold Ltd.	15-07-1996	Monaghan	Bm, b, s, g
2219	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE

PL Area	Licensee	Start Date	County	Minerals
2236	Hendrick Resources (Ireland) Ltd.	13-01-2012	Wexford	Bm, b, s, g, PGE, Cs, Li, Nb, Ta, Tin, W
2260	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
2280	Great Glen Resources Ltd.	07-01-2019	Cork	Bm, b, s, g
2295	Gold Note Minerals Ltd.	21-06-2013	Galway	Bm, s, g
2331	BMEx Pty Ltd.	02-10-2017	Cork	Bm, b, s, g
2447	Unicorn Mineral Resources Ltd.	28-02-2019	Tipperary	Bm, b, s
2474	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
2512	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
2513	Raptor Resources Ltd.	27-05-2020	Kildare	Bm, b, s, g, PGE
2516	Raptor Resources Ltd.	27-05-2020	Kildare	Bm, b, s, g, PGE
2522	Boliden Tara Mines Ltd.	15-11-2006	Offaly/Laois	Bm, b, s, g
2523	Beal Na Blath Resources Ltd.	27-11-2018	Roscommon	Bm, b, s, g, PGE, Mo
2529	Glencore Zinc Ireland Ltd.	06-12-1996	Limerick	Bm, b, s
2530	Glencore Zinc Ireland Ltd.	13-11-1995	Limerick	Bm, b, s
2531	TILZ Minerals Ltd.	28-04-2006	Limerick	Bm, b, s, g, PGE
2537	Boliden Tara Mines Ltd.	15-11-2006	Offaly	Bm, b, s, g
2538	Boliden Tara Mines Ltd.	15-11-2006	Offaly	Bm, b, s, g
2539	Teck Ireland Ltd.	08-08-2006	Offaly	Bm, b, s, g, PGE
2540	Teck Ireland Ltd.	08-08-2006	Meath	Bm, b, s, g, PGE
2551	IMC Exploration Ltd.	12-05-2011	Wexford	Bm, b, s, g
2552	Hendrick Resources (Ireland) Ltd.	13-01-2012	Wexford	Bm, b, s, g, PGE, Cs, Li, Nb, Ta, Tin, W
2554	Connemara Mining Co. Ltd.	16-04-2008	Wexford	Bm, b, s, g, PGE, Cs, Li
2558	Connemara Mining Co. Ltd.	16-04-2008	Wicklow	Bm, b, s, g, PGE, Cs, Li
2579	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	Bm, b, s, g
2597	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
2604	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
2625	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
2627	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
2638	TILZ Minerals Ltd.	31-01-2005	Limerick	Bm, b, s, g, PGE
2645	Irish Resource Exploration Ltd.	29-06-2012	Mayo	Bm, s, g
2654	Group Eleven Mining and Exploration Ltd.	30-09-2016	Tipperary	Bm, b, s, g
2655	Group Eleven Mining and Exploration Ltd.	30-09-2016	Tipperary	Bm, b, s, g
2683	Conroy Gold and Natural Resources Plc	05-09-2019	Monaghan	Bm, b, s, g
2696	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	Bm, b, s, g
2710	Teck Ireland Ltd.	26-01-2012	Dublin	Bm, b, s, g, PGE
2717	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
2718	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
2732	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
2748	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
2752	Unicorn Mineral Resources Ltd.	20-03-2015	Waterford	Bm, b, s, g, PGE
2756	Group Eleven Mining and Exploration Ltd.	29-09-2016	Limerick	Bm, b, s, g



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2778	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
2779	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
2813	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
2815	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
2835	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	Bm, b, s, g
2840	Group Eleven Mining and Exploration Ltd.	30-09-2016	Limerick/Tipperary	Bm, b, s, g
2872	Diversified Asset Holdings Pty. Ltd.	19-03-2014	Limerick	Bm, b, s, g, PGE, Tin, W
2882	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
2883	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
2884	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
2885	Boliden Tara Mines Ltd.	22-06-2018	Galway	Bm, b, s, g
2889	Boliden Tara Mines Ltd.	22-06-2018	Galway	Bm, b, s, g
2927	TILZ Minerals Ltd.	31-01-2005	Limerick	Bm, b, s, g, PGE
2946	Adventus Exploration Ltd.	24-01-2014	Cork	Bm, b, s, g
2981	Beal Na Blath Resources Ltd.	27-11-2018	Roscommon	Bm, b, s, g, PGE, Mo
2982	Beal Na Blath Resources Ltd.	27-11-2018	Roscommon	Bm, b, s, g, PGE, Mo
3012	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
3013	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
3014	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
3028	Conroy Gold and Natural Resources Plc	15-07-1996	Monaghan	Bm, b, s, g
3029	Firecrest Resources Ltd.	26-02-2020	Wicklow	Bm, s, g, PGE, REE, Li
3030	LRH Resources Ltd.	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
3035	Oriel Selection Trust Ltd.	08-06-2018	Donegal	Bm, b, s, g, PGE, REE, Li
3039	Omagh Minerals Ltd.	30-03-2012	Donegal	Bm, b, s, g
3040	Omagh Minerals Ltd.	30-03-2012	Donegal	Bm, b, s, g
3047	Adventus Exploration Ltd.	27-10-2016	Cork	Bm, b, s, g
3065	Conroy Gold and Natural Resources Plc	28-02-2017	Monaghan	Bm, b, s, g
3066	Conroy Gold and Natural Resources Plc	16-07-2012	Monaghan	Bm, b, s, g
3112	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3130	Conroy Gold and Natural Resources Plc	27-11-1996	Cavan	Bm, b, s, g
3145	Gold Note Minerals Ltd.	21-06-2013	Galway	Bm, s, g
3156	Group Eleven Mining and Exploration Ltd.	29-09-2016	Tipperary	Bm, b, s, g
3158	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
3160	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
3169	Irish Resource Exploration Ltd.	04-07-2011	Galway	Bm, b, s, g
3170	Irish Resource Exploration Ltd.	29-06-2012	Galway	Bm, s, g
3205	Unicorn Mineral Resources Ltd.	20-03-2015	Waterford	Bm, b, s, g, PGE
3206	Unicorn Mineral Resources Ltd.	20-03-2015	Waterford	Bm, b, s, g, PGE
3207	Unicorn Mineral Resources Ltd.	20-03-2015	Waterford	Bm, b, s, g, PGE
3208	Unicorn Mineral Resources Ltd.	20-03-2015	Waterford	Bm, b, s, g, PGE
3228	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g

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3229	Adventus Exploration Ltd.	28-11-2013	Cork	Bm, b, s, g
3232	Boliden Tara Mines Ltd.	04-08-2017	Westmeath	Bm, b, s, g
3235	Omagh Minerals Ltd.	30-03-2012	Donegal	Bm, b, s, g
3236	Oriel Selection Trust Ltd.	08-06-2018	Donegal	Bm, b, s, g, PGE, REE, Li
3249	Unicorn Mineral Resources Ltd.	29-09-2016	Limerick	Bm, b, s, g
3263	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
3267	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	B, s, g
3268	Glencore Zinc Ireland Ltd.	08-11-1991	Limerick	Bm, b, s
3281	Group Eleven Mining and Exploration Ltd.	18-12-2015	Kerry	Bm, b, s, g
3285	LRH Resources Ltd.	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
3294	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3312	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
3313	Shannon Resources Ltd.	30-12-2020	Kilkenny	Bm, s
3316	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
3317	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
3318	Centenary Resources Ltd.	10-04-2017	Tipperary	Bm, b, s, g
3319	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
3320	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
3322	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
3324	Boliden Tara Mines Ltd.	16-12-2005	Westmeath	Bm, b, s, g
3329	Teck Ireland Ltd.	26-01-2012	Kildare	Bm, b, s, g, PGE
3331	Teck Ireland Ltd.	30-11-2015	Kildare	Bm, b, s, g, PGE
3335	Trove Metal Ltd.	22-01-2018	Wicklow	Bm, b, s, g, REE
3342	Glencore Zinc Ireland Ltd.	21-05-1999	Limerick	Bm, b, s
3344	Glencore Zinc Ireland Ltd.	25-05-1999	Limerick	Bm, b, s
3346	Boliden Tara Mines Ltd.	16-12-2005	Meath	Bm, b, s, g
3358	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
3366	Group Eleven Mining and Exploration Ltd.	10-11-2016	Limerick	Bm, b, s, g
3367	TILZ Minerals Ltd.	31-01-2005	Limerick	Bm, b, s, g, PGE
3368	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g
3369	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g
3373	Boliden Tara Mines Ltd.	01-03-1993	Meath	Bm, b, s
3374	Teck Ireland Ltd.	08-08-2006	Kildare	Bm, b, s, g, PGE
3400	Conroy Gold and Natural Resources Plc	27-11-1996	Cavan	Bm, b, s, g
3407	Blackstairs Lithium Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
3411	Blackstairs Lithium Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
3421	Raptor Resources Ltd.	30-12-2020	Tipperary	Bm, b, s, g
3427	Raptor Resources Ltd.	27-05-2020	Kildare	Bm, b, s, g, PGE
3431	Glencore Zinc Ireland Ltd.	30-05-2005	Limerick	Bm, b, s, PGE
3469	Conroy Gold and Natural Resources Plc	28-02-2017	Monaghan	Bm, b, s, g
3471	Boliden Tara Mines Ltd.	27-11-2006	Galway	Bm, b, s, g
3488	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g
3489	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g
3496	Connemara Mining Co. Ltd.	08-12-2016	Donegal	Bm, s, g

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3504	Conroy Gold and Natural Resources Plc	19-11-2011	Clare	Bm, b, s, g
3508	Hannan Metals Ireland Ltd.	17-04-2017	Clare	Bm, b, s, g, Calcite
3518	Unicorn Mineral Resources Ltd.	06-03-2015	Waterford	Bm, b, s, g, PGE
3519	Unicorn Mineral Resources Ltd.	05-04-2017	Waterford	Bm, b, s, g
3535	Group Eleven Mining and Exploration Ltd.	04-09-2020	Cork	Bm, b, s
3536	Group Eleven Mining and Exploration Ltd.	04-09-2020	Cork	Bm, b, s
3544	Group Eleven Mining and Exploration Ltd.	29-09-2016	Limerick	Bm, b, s, g
3545	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g
3552	Group Eleven Mining and Exploration Ltd.	04-11-2016	Tipperary	B, s, g
3575	Teck Ireland Ltd.	26-06-2006	Westmeath	Bm, b, s, g, PGE
3576	Teck Ireland Ltd.	26-06-2006	Westmeath	Bm, b, s, g, PGE
3579	Adventus Zinc Ireland Ltd.	05-06-2017	Monaghan/Cavan	Bm, b, s, g
3581	Group Eleven Mining and Exploration Ltd.	29-09-2016	Limerick	Bm, b, s, g
3582	Unicorn Mineral Resources Ltd.	29-09-2016	Limerick	Bm, b, s, g
3604	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3606	Trove Metal Ltd.	22-01-2018	Wicklow	Bm, b, s, g, REE
3608	Group Eleven Mining and Exploration Ltd.	29-09-2016	Limerick	Bm, b, s, g
3609	Adventus Zinc Ireland Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
3611	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
3613	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3614	Teck Ireland Ltd.	26-01-2012	Kildare	Bm, b, s, g, PGE
3615	Viridian Metals Ireland Ltd.	28-05-2012	Galway	Bm, b, s, g, Dolomite and Dolomitic Limestone, Fe, Mn, Silica Sand
3619	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3622	Boliden Tara Mines Ltd.	16-12-2005	Meath	Bm, b, s, g
3634	Longford ZincMining Ltd.	13-04-2018	Longford	Bm, b, s, g, PGE
3636	Teck Ireland Ltd.	08-08-2006	Meath	Bm, b, s, g, PGE
3638	Boliden Tara Mines Ltd.	16-12-2005	Westmeath	Bm, b, s, g
3640	Hannan Metals Ireland Ltd.	14-07-2008	Clare	Bm, b, s
3642	Hannan Metals Ireland Ltd.	17-04-2017	Clare	Bm, b, s, g, Calcite
3643	Hannan Metals Ireland Ltd.	25-05-1999	Clare	Bm, b, s
3647	Glencore Zinc Ireland Ltd.	08-11-1991	Tipperary/Limerick	Bm, b, s
3648	Raptor Resources Ltd.	22-05-2020	Offaly	Bm, b, s, g, PGE
3649	Raptor Resources Ltd.	27-05-2020	Kildare	Bm, b, s, g, PGE
3652	Boliden Tara Mines Ltd.	04-08-2017	Westmeath/Offaly	Bm, b, s, g
3654	Group Eleven Mining and Exploration Ltd.	29-09-2016	Limerick	Bm, b, s, g
3658	Teck Ireland Ltd.	12-02-2012	Westmeath	Bm, b, s, g, PGE
3659	Teck Ireland Ltd.	12-02-2012	Westmeath	Bm, b, s, g, PGE
3660	Teck Ireland Ltd.	12-02-2012	Meath	Bm, b, s, g, PGE
3662	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
3664	Teck Ireland Ltd.	07-10-2008	Dublin	Bm, b, s, g

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3665	Teck Ireland Ltd.	07-10-2008	Dublin	Bm, b, s, g
3674	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
3675	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
3676	Hendrick Resources (Ireland) Ltd.	13-01-2012	Wicklow	Bm, b, s, g, PGE, Cs, Li, Nb, Ta, Tin, W
3679	Hannan Metals Ireland Ltd.	19-12-2005	Clare	Bm, b, s, g
3689	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
3713	Foresight Exploration Ltd.	07-11-2016	Waterford	Bm, b, s
3715	Foresight Exploration Ltd.	07-11-2016	Waterford	Bm, b, s
3716	Great Glen Resources Ltd.	07-01-2019	Cork	Bm, b, s, g
3717	Great Glen Resources Ltd.	07-01-2019	Cork	Bm, b, s, g
3718	Great Glen Resources Ltd.	07-01-2019	Cork	Bm, b, s, g
3719	Great Glen Resources Ltd.	07-01-2019	Waterford	Bm, b, s, g
3730	Adventus Zinc Ireland Ltd.	24-01-2014	Louth	Bm, b, s, g, Gypsum
3731	Adventus Zinc Ireland Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
3732	Adventus Zinc Ireland Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
3733	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3735	Erris Zinc Ltd.	26-08-2013	Sligo	Bm, s, g
3755	Boliden Tara Mines Ltd.	07-07-2012	Galway	Bm, b, s, g
3771	Beal Na Blath Resources Ltd.	17-12-2018	Mayo	Bm, b, s, g, PGE, Mo
3772	Beal Na Blath Resources Ltd.	17-12-2018	Mayo	Bm, b, s, g, PGE, Mo
3774	Beal Na Blath Resources Ltd.	17-12-2018	Mayo	Bm, b, s, g, PGE, Mo
3777	Irish Marine Oil Ltd.	19-12-2019	Kildare	Bm, s, g
3782	Group Eleven Mining and Exploration Ltd.	04-11-2016	Tipperary	B, s, g
3787	Hannan Metals Ireland Ltd.	08-06-1994	Clare	Bm, b, s
3789	Hannan Metals Ireland Ltd.	08-06-1994	Clare	Bm, b, s
3794	Irish Marine Oil Ltd.	05-06-2018	Kildare	G
3799	LRH Resources Ltd.	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
3819	Adventus Zinc Ireland Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
3820	Connemara Mining Co. Ltd.	10-04-2015	Donegal	Bm, s, g
3822	Minerex Ltd.	03-04-2019	Wexford	Bm, s, g
3824	Aurum Mineral Resources Ltd.	27-05-2004	Limerick	Bm, b, s, g
3825	Adventus Zinc Ireland Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
3827	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
3839	Teck Ireland Ltd.	12-02-2012	Meath	Bm, b, s, g, PGE
3846	Raptor Resources Ltd.	21-09-2015	Kildare	Bm, b, s, g, PGE
3849	IMC Exploration Ltd.	07-02-2013	Wicklow	Bm, b, s, g
3850	IMC Exploration Ltd.	07-02-2013	Wicklow	Bm, b, s, g
3851	Boliden Tara Mines Ltd.	30-04-2001	Meath	Bm, b, s

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3852	Boliden Tara Mines Ltd.	16-12-2005	Meath	Bm, b, s, g
3854	Raptor Resources Ltd.	22-05-2020	Offaly	Bm, b, s, g, PGE
3857	IMC Exploration Ltd.	12-05-2011	Wicklow/Wexford	Bm, b, s, g
3864	Blackstairs Lithium Ltd.	07-08-2009	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
3866	Raptor Resources Ltd.	21-09-2015	Kildare	Bm, b, s, g, PGE
3887	Beal Na Blath Resources Ltd.	17-12-2018	Mayo	Bm, b, s, g, PGE, Mo
3891	Dan Morrissey (Ireland) Ltd.	27-09-1999	Laois	Coal, Fireclay
3893	Blackstairs Lithium Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
3894	Blackstairs Lithium Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
3899	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3901	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3908	Glencore Zinc Ireland Ltd.	17-07-2001	Limerick	Bm, b, s
3920	Boliden Tara Mines Ltd.	04-08-2017	Offaly	Bm, b, s, g
3923	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g
3929	Beal Na Blath Resources Ltd.	17-12-2018	Mayo	Bm, b, s, g, PGE, Mo
3930	Beal Na Blath Resources Ltd.	17-12-2018	Mayo	Bm, b, s, g, PGE, Mo
3931	Dan Morrissey (Ireland) Ltd.	27-04-2005	Laois/Carlow	Coal, Fireclay
3932	Boliden Tara Mines Ltd.	16-12-2005	Westmeath	Bm, b, s, g
3936	Ballinalack Resources Ltd.	20-02-2006	Westmeath	Bm, b, s, g, PGE
3937	Teck Ireland Ltd.	26-06-2006	Westmeath	Bm, b, s, g, PGE
3938	Teck Ireland Ltd.	26-06-2006	Meath	Bm, b, s, g, PGE
3939	Teck Ireland Ltd.	26-06-2006	Meath	Bm, b, s, g, PGE
3940	Boliden Tara Mines Ltd.	25-01-2007	Offaly	Bm, b, s, g
3941	Boliden Tara Mines Ltd.	25-01-2007	Offaly	Bm, b, s, g
3942	Boliden Tara Mines Ltd.	15-11-2006	Offaly	Bm, b, s, g
3943	Boliden Tara Mines Ltd.	25-01-2007	Offaly	Bm, b, s, g
3944	Boliden Tara Mines Ltd.	25-01-2007	Westmeath	Bm, b, s, g
3946	Boliden Tara Mines Ltd.	25-01-2007	Offaly/Westmeath	Bm, b, s, g
3947	Boliden Tara Mines Ltd.	25-01-2007	Westmeath	Bm, b, s, g
3948	Boliden Tara Mines Ltd.	25-01-2007	Westmeath	Bm, b, s, g
3953	Group Eleven Mining and Exploration Ltd.	29-09-2016	Tipperary	Bm, b, s, g
3954	Group Eleven Mining and Exploration Ltd.	29-09-2016	Tipperary	Bm, b, s, g
3955	Group Eleven Mining and Exploration Ltd.	29-09-2016	Tipperary	Bm, b, s, g
3956	Boliden Tara Mines Ltd.	25-01-2007	Offaly/Westmeath	Bm, b, s, g
3989	Boliden Tara Mines Ltd.	08-07-2015	Meath	Bm, b, s, g
3990	Boliden Tara Mines Ltd.	20-04-2011	Meath	Bm, b, s, g
3991	Teck Ireland Ltd.	07-10-2008	Meath	Bm, b, s, g
3992	Teck Ireland Ltd.	07-10-2008	Dublin	Bm, b, s, g
3995	Boliden Tara Mines Ltd.	22-02-2010	Offaly	Bm, b, s, g
4003	Oriel Selection Trust Ltd.	12-12-2016	Donegal	Bm, b, s, g, PGE, REE, Li

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4004	Oriel Selection Trust Ltd.	25-02-2010	Donegal	Bm, b, s, g, PGE, REE
4031	Blackstairs Lithium Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
4032	Blackstairs Lithium Ltd.	07-08-2009	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
4035	Centenary Resources Ltd.	10-04-2017	Tipperary	Bm, b, s, g
4038	Erris Zinc Ltd.	30-09-2013	Sligo	Bm, b, s, g
4041	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
4042	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
4043	Raptor Resources Ltd.	31-12-2020	Laois	Bm, b, s, g, PGE
4045	Boliden Tara Mines Ltd.	06-02-2011	Offaly	Bm, b, s, g
4051	Boliden Tara Mines Ltd.	20-04-2011	Meath	Bm, b, s, g
4052	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE
4056	Unicorn Mineral Resources Ltd.	28-02-2019	Tipperary	Bm, b, s
4065	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
4066	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
4067	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
4068	Teck Ireland Ltd.	30-11-2015	Kildare	Bm, b, s, g, PGE
4069	Raptor Resources Ltd.	21-09-2015	Kildare	Bm, b, s, g, PGE
4070	Raptor Resources Ltd.	21-09-2015	Kildare	Bm, b, s, g, PGE
4071	Raptor Resources Ltd.	27-05-2020	Kildare	Bm, b, s, g, PGE
4072	Raptor Resources Ltd.	21-09-2015	Kildare	Bm, b, s, g, PGE
4073	Raptor Resources Ltd.	21-09-2015	Kildare	Bm, b, s, g, PGE
4075	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
4076	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
4077	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
4078	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
4098	Conroy Gold and Natural Resources Plc	16-07-2012	Cavan	Bm, b, s, g
4112	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
4113	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
4114	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
4116	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
4117	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
4118	Raptor Resources Ltd.	31-12-2020	Tipperary	Bm, b, s, g
4236	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
4257	Adventus Zinc Ireland Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
4356	Raptor Resources Ltd.	27-05-2020	Laois	Bm, b, s, g, PGE
4469	Erris Zinc Ltd.	26-08-2013	Sligo	Bm, s, g
4474	Group Eleven Mining and Exploration Ltd.	19-08-2019	Tipperary/Limerick	Bm, b, s
4477	Boliden Tara Mines Ltd.	28-06-2013	Meath	Bm, b, s, g
4478	Boliden Tara Mines Ltd.	28-06-2013	Meath	Bm, b, s, g
4479	Boliden Tara Mines Ltd.	28-06-2013	Meath	Bm, b, s, g
4480	Raptor Resources Ltd.	30-12-2020	Tipperary	Bm, b, s, g
4481	Raptor Resources Ltd.	30-12-2020	Tipperary	Bm, b, s, g
4482	Raptor Resources Ltd.	30-12-2020	Tipperary	Bm, b, s, g
4483	Raptor Resources Ltd.	30-12-2020	Tipperary	Bm, b, s, g

PL Area	Licensee	Start Date	County	Minerals
4484	Adventus Zinc Ireland Ltd.	24-01-2014	Monaghan/Louth	Bm, b, s, g, Gypsum
4485	Adventus Zinc Ireland Ltd.	05-02-2014	Monaghan	Bm, b, s, g, Gypsum
4486	Adventus Zinc Ireland Ltd.	24-01-2014	Louth	Bm, b, s, g, Gypsum
4491	Boliden Tara Mines Ltd.	19-04-2002	Meath	Bm, b, s
4498	Group Eleven Mining and Exploration Ltd.	12-02-2015	Tipperary	Bm, b, s, g
4499	Oriel Selection Trust Ltd.	12-12-2016	Donegal	Bm, b, s, g, PGE, REE, Li
4500	Oriel Selection Trust Ltd.	29-05-2015	Donegal	Bm, b, s, g, PGE, REE
4502	Boliden Tara Mines Ltd.	26-10-1970	Meath	Bm, b, s, g
4503	Group Eleven Mining and Exploration Ltd.	29-09-2016	Tipperary	Bm, b, s, g
4506	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
4507	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
4508	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
4510	Centenary Resources Ltd.	10-04-2017	Tipperary	Bm, b, s, g
4513	Shanoon Resources Ltd.	13-07-2017	Kilkenny/Laois	Bm, b, s, Dolomite and Dolomitic Limestone
4514	Shanoon Resources Ltd.	13-07-2017	Kilkenny	Bm, b, s, Dolomite and Dolomitic Limestone
4515	Shanoon Resources Ltd.	13-07-2017	Kilkenny	Bm, b, s, Dolomite and Dolomitic Limestone
4516	BMEx Pty Ltd.	02-10-2017	Cork	Bm, b, s, g
4520	Connemara Granite Teo	05-07-2018	Galway	Bm, b, Be, Fluorspar, Gemstones including semi-precious stones
4536	LRH Resources Ltd.	23-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4537	LRH Resources Ltd.	23-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4538	LRH Resources Ltd.	23-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4539	LRH Resources Ltd.	23-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4540	LRH Resources Ltd.	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4541	LRH Resources Ltd.	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb



PL Area	Licensee	Start Date	County	Minerals
4542	LRH Resources Ltd.	23-10-2018	Dublin/Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4543	LRH Resources Ltd.	23-10-2018	Dublin/Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4544	LRH Resources Ltd.	23-10-2018	Dublin	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4545	LRH Resources Ltd.	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4546	LRH Resources Ltd.	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4547	LRH Resources Ltd.	23-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4550	Blackstairs Lithium Ltd.	28-02-2020	Wicklow	Bm, Cs, Li
1174R	Adventus Zinc Ireland Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
1440R	Westland Exploration Ltd.	23-10-1972	Meath	Bm, b, s

## Prospecting Licences Granted Since 1<sup>st</sup> February 2021

PL Area	Licensee	Start	County	Minerals
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No applications have been granted since 1<sup>st</sup> February 2021.

## Prospecting Licences Accepted and Advertised

PL Area	Applicant	County	Minerals
3429	Boliden Tara Mines Ltd.	Galway	Bm, b, s, g
3756	Boliden Tara Mines Ltd.	Galway	Bm, b, s, g
3757	Boliden Tara Mines Ltd.	Galway	Bm, b, s, g
3867	Boliden Tara Mines Ltd.	Galway	Bm, b, s, g



# Ireland: Exploration & Mining News

1<sup>st</sup> May 2021

## Mining Highlights

### Mine Operations

There are currently two operating mines in Ireland (Figure 1): Navan (zinc-lead) and Drummond/Knocknacran (gypsum).

- 2020 Mine Production
- Zinc metal in concentrates: 127kt
- Lead metal in concentrates: 14kt
- Gypsum Output: Approx 150kt

### 2020 Mine Output (Metal Content)

#### (a) Zinc

- Ireland produced 11.3% of European zinc mine output (4th in Europe)
- Ireland produced 1.0% of World zinc mine output (17th in World)

#### (b) Lead

- Ireland produced 2.8% of European lead mine output (9th in Europe)
- Ireland produced 0.3% of World lead mine output (27th in World)

Source of Production Data: International Lead & Zinc Study Group

## Mining

In 2020, Ireland's zinc-lead production accounted for approximately 11% of European zinc mine output (16.6% of EU27 production) and 3% of European lead mine output (6.4% of EU27 production). These figures equate to 1.0% of world mine production for zinc and 0.3% for lead. According to data published by the International Lead and Zinc Study Group, in 2020, Ireland ranked 17<sup>th</sup> and 27<sup>th</sup> in the world in relation to zinc and lead mine output respectively.

Ireland currently places fourth in terms of European mine production for zinc, behind the Russian Federation, Sweden and Portugal.

**Boliden Tara Mines DAC** operation at **Navan**, Co. Meath, is the largest underground zinc mine in Europe. In 2020, Tara milled 2.32Mt of ore grading 5.76% Zn and 1.03% Pb. Since mining operations commenced in 1977, over 99Mt of ore have been mined and processed. At the end of 2020, the mine's ore reserves (proven and probable), reported in accordance with the PERC Standard, stood at 18.1Mt grading 5.5% Zn and 1.5% Pb, whilst mineral resources (measured, indicated and inferred) were 35.1Mt at 7.7% Zn and 1.6% Pb ([Boliden Summary Report, Resources and Reserves 2020, Tara Mine](#)). The latter figure includes an inferred resource of 26.2Mt grading 8.4% Zn and 1.6% Pb for the 'Tara Deep' satellite deposit, which occurs approximately 1km southeast of the main mine at a depth of 1-2km.

**Irish Gypsum Ltd.**, a subsidiary of French multi-national Saint Gobain, produced approximately 150kt of gypsum in 2020 from its underground (**Drummond**) and adjacent open pit (**Knocknacran**) operations in Co. Monaghan. The bulk of 2020 production was sourced from the quarry. The gypsum is crushed and blended on site, before being transported by road to a production facility at the nearby town of Kingscourt for manufacturing plaster and plasterboard. A smaller tonnage of gypsum is additionally used in the manufacture of cement.

### Exploration Activity

As of 28th April 2021, 43 exploration companies held a total of 432 Prospecting Licences. Over 50 Prospecting Licence applications are currently being processed. Since the 1<sup>st</sup> November 2020 PL competition, a total of 58 licences have been surrendered. In the same period, 36 licence areas have been issued to Raptor Resources Ltd (35) and Shanon Resources Ltd (1).

Zinc and lead remain the principal commodities of exploration interest in Ireland. Other commodities that are currently being sought in Ireland include; gold, silver, copper, lithium, barite, Platinum Group Metals, antimony and Rare Earth Elements (REEs).

\*Exploration Expenditure and Drilling Figures for 2020 will be included in the November 2021 Industry News

### EXPLORATION HIGHLIGHTS

Number of Current Prospecting Licences (PLs):	432
Number of Corporate Entities holding Prospecting Licences:	43
Percentage of Ireland Land Area under Licence:	Approx. 20%
Total Exploration Expenditure in 2019*:	€17.53 Million
Exploration Expenditure on PLs in 2019*:	€15.17 Million
Exploration Expenditure on State Mining Facilities in 2019*:	€2.37 Million
2019 Drilling on PLs (non-mine related)*:	Approx. 53,500 metres.

**Raptor Resources Ltd**, a 100% owned subsidiary of Australian explorer **Zinc of Ireland NL**, is currently the largest licence holder in Ireland. Raptor presently holds a total of 65 licence areas, many of which are located along the length of the Rathdowney Trend. In September 2020, Zinc of Ireland NL published a mineral resource estimate update for its **Kildare** Zinc-Lead Project, near Allenwood. The Inferred Mineral Resource Estimate, reported in accordance to the JORC Code, has been increased to 11.3Mt grading 7.8% zinc and 1.2% lead, based on a 5.0% zinc equivalent cut-off.

**Group Eleven Mining and Exploration Ltd** has continued to drill at a number of its prospects in Co. Limerick. The company has completed its Phase I drilling at **Carrickittle** that follows up a previously announced intersection (6 July 2020) of 10.30m grading 14.6% zinc, 5.0% lead and 43 g/t silver in drillhole G11-2840-04. The three best intersections from the eight follow up drillholes are as follows:

- 7.24m grading 23.9% zinc, 6.6% lead, 108 g/t silver & 0.12% copper in hole G11-2840-09

- 5.35m grading 11.6% zinc, 2.4% lead and 29 g/t silver in drillhole G11-2840-10
- 3.0m grading 4.8% zinc, 6.0% lead and 35 g/t silver in drillhole G11-2840-12

The results of recent and historic drilling indicate the occurrence of two parallel, NE-SW striking bodies of massive sulphide and vein-hosted mineralization. The bodies have a currently drilled strike length of over 100m, a down-dip extent of approx. 10-30m and a true thickness of approx. 3-7m and 1-3m respectively. An additional phase of drilling in the Carrickittle area was commenced by the company in late February 2021.

In February 2021, **Conroy Gold and Natural Resources plc** signed a Letter of Intent (LOI) with Demir Export A.Ş. for a proposed joint venture partnership. In conjunction with the signing of the LOI, Conroy terminated discussions with Anglo Asian Mining plc in respect of a previously announced joint venture proposal. Demir Export is a long-established mining company with interests in Turkey in iron, coal, gold and base metals. The primary focus of the Demir Export joint venture, ('Project Inis'), is the development of the gold deposit at **Clontibret** to construction ready status and bringing it into operation as a gold mine.

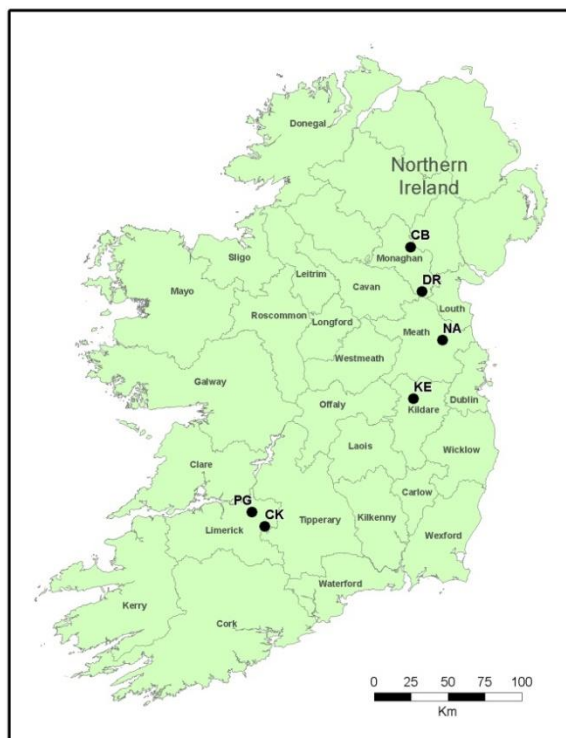


Figure 1: County Map of Ireland showing locations mentioned in text.

CB	Clontibret
CK	Carrickittle
DR	Drummond
KE	Kildare
NA	Navan
PG	Pallas Green

## **Re-Structuring of Geoscience Functions within DECC**

The Department of the Environment, Climate and Communications (DECC) has restructured its Geoscience functions with effect from 1<sup>st</sup> January 2021. The regulatory, licencing, compliance and enforcement roles formerly held by the Petroleum Affairs (PA) Division and Exploration and Mining (EM) Division have transferred to a new dedicated Geoscience Regulation Office (GSRO) within DECC, headed up by Clare Morgan. Simultaneously, the policy, legislative and promotional functions that previously resided within the PA and EM Divisions moved to a new Geoscience Policy Division (GSPD), also within DECC, led by Eoin Deegan. The new arrangement ensures that there is a clear divide between policy/legislation functions and regulation/monitoring functions.

Licensees are advised that all correspondence and documentation relating to Prospecting Licences should now be emailed to [GSRO@decc.gov.ie](mailto:GSRO@decc.gov.ie).

## Appendices

### Publicly Available Prospecting Licence Area Data

#### Online Data Availability

Since mid-2003, the Exploration and Mining Division, now Geoscience Regulation Office, has been progressively providing publicly available company exploration data released since 1<sup>st</sup> January 2000 on the [www.MineralsIreland.ie](http://www.MineralsIreland.ie) website. Data relating to over 1700 PL areas, including those in the current PL competition, are now available.

## Addresses of Companies Holding State Facilities

### 1. Prospecting Licences

Name	Address
Adventus Exploration Ltd	Unit 7, Kells Business Park, Kells, Meath, A82 E2K5, Ireland
Adventus Zinc Ireland Ltd	Unit 7, Kells Business Park, Kells, Meath, A82 E2K5, Ireland
Aurum Mineral Resources Ltd	c/o Alba Mineral Resources Plc, Suite 9, 72 Great Titchfield Street, London, W1W 7QW, UK
Ballinalack Resources Ltd	'Cratloe', Ballyprecas, Bunclody, Wexford, Y21 PC43, Ireland
Beal Na Blath Resources Ltd	53 Bayview Avenue, North Strand, Dublin, D03 P2Y9, Ireland
Blackstairs Lithiumthium Ltd	c/o Company Bureau Formations Limited, The Black Church, St Mary's Place, Dublin, D07 P4AX, Ireland
BMEx Pty. Ltd	2 Benson Street, Toowong, Queensland, 4066, Australia
Boliden Tara Mines Ltd	Knockumber, Navan, Meath, C15 NH63, Ireland
Centenary Resources Ltd	53 Bayview Avenue, North Strand, Dublin, D03 P2Y9, Ireland
Connemara Granite Teo	Ros an Mhil, Baile na hAbhain, Galway, H91 V8YA
Connemara Mining Co. Ltd.	162 Clontarf Road, Dublin, D03 F6Y0, Ireland
Conroy Gold & Natural Resources Plc	3300 Lake Drive, City West Business Campus, Dublin, D24 TD21, Ireland
Conroy Gold Ltd	3300 Lake Drive, City West Business Campus, Dublin, D24 TD21, Ireland
Dan Morrissey (Ireland) Ltd	Dan Morrissey (IRL) Ltd, Bennekerry, Carlow, R93 E099, Ireland
Diversified Asset Holdings Pty. Ltd	44 Kings Park Road, West Perth, Western Australia, 6005, Australia
Erris Zinc Ltd	The Bungalow, Newport Road, Castlebar, Mayo, F23 YF24, Ireland
Glencore Zinc Ireland Ltd	Unit 1, Dromkeen Industrial Park, Dromkeen, Limerick, V94 TW59, Ireland
Gold Note Minerals Ltd	c/o BTU Metals Corp, 1240-789 W Pender St, Vancouver, British Columbia, V6C 1H2, Canada
Great Glen Resources Ltd	6 Sullivan's Quay, Cork, T12 ACW6, Ireland
Group Eleven Mining & Exploration Ltd	'Cratloe', Ballyprecas, Bunclody, Wexford, Y21 PC43, Ireland
Hannan Metals Ireland Ltd	c/o Cuddihy & Co, Station Road, Clonroad More, Ennis, Clare, V95 C6RP, Ireland
Hendrick Resources (Ireland) Ltd	c/o BRG Ltd, Unit 8B, Block C, Athy Business Campus, Athy, Kildare, R14 FF96, Ireland
IMC Exploration Ltd	70 Ballybough Road, Ballybough, Dublin, D03 F9P7, Ireland
Irish Marine Oil Ltd	162 Clontarf Road, Dublin, D03 F6Y0
Irish Resource Exploration Ltd	22 Northumberland Road, Ballsbridge, Dublin, D04 ED73, Ireland
Longford Zinc Mining Ltd.	Trinity House, Charleston Road, Ranelagh, Dublin, D06 C8X4, Ireland
LRH Resources Ltd	69-70 Main Street, Oughterard, Galway, H91 E827
Minco Ireland Ltd	Coolfore Road, QME, Ardbracken, Navan, Meath, C15 KXY3, Ireland

Minerex Ltd	1 Marine Terrace, Dun Laoghaire, Dublin, A96 KD68
Omagh Minerals Ltd	56, Botera Upper Road, Omagh, Tyrone, BT78 5LH, Northern Ireland
Oriel Selection Trust Ltd	Aurum Exploration Services Ltd, 2nd Floor, Unit 7, Kells Business Park, Cavan Road, Kells, Meath, A82 E2K5
Raptor Resources Ltd	53 Bayview Avenue, North Strand, Dublin, D03 P2Y9, Ireland
Rennicks and Bennett Ltd	c/o Boliden Tara Mines Ltd, Knockumber, Navan, Meath, C15 NH63, Ireland
Shanoon Resources Ltd	New Work Junction, Dublin Road, Kilkenny, Kilkenny, R95 VP83, Ireland
Teck Ireland Ltd	Arklow Business Enterprise Centre, Kilbride Industrial Estate, Arklow, Wicklow, Y14 T440, Ireland
TILZ Minerals Ltd	12 Merrion Square, Dublin, D02 H798, Ireland
Trove Metal Ltd	11 Loreto Avenue, Bishops Meadows, Kilkenny, R95 HK4D, Ireland
Unicorn Mineral Resources Ltd	c/o BRG Ltd, Unit 8B, Block C, Athy Business Campus, Castlecomer Road, Athy, Kildare, R14 FF96, Ireland
Vedanta Exploration Ireland Ltd	Killoran, Moyne, Thurles, Tipperary, E41 R622, Ireland
Viridian Metals Ireland Ltd	70 Sir John Rogerson's Quay, Dublin, D02 R296, Ireland
Westland Exploration Ltd	c/o Peter McParland, Coolfore Road QME, Ardbraccan, Navan, Meath, C15 KXY3, Ireland

## Mining Facilities

Name	Address
Boliden Tara Mines Ltd	Knockumber House, Knockumber, Navan, Co. Meath, C15 NH63, Ireland
Connemara Marble Products Ltd.	Moycullen, Co Galway, H91 YR83, Ireland
Fleming's Fireclays Ltd.	The Swan, Athy, Co. Kildare, R14 TE81, Ireland
Irish Gypsum Ltd.	Unit 4, Kilcarbery Business Park, Nangor Road, Dublin, D22 R277, Ireland
Joyce's Marble Quarries Ltd.	Lissoughter, Recess, Connemara, Co Galway, H91 K3E8, Ireland
Killoran Lisheen Mining Ltd.	Killoran, Moyne, Thurles, Co Tipperary, Co Tipperary, E41 R622, Ireland
Lisheen Milling Ltd.	41/45 St. Stephen's Green, Dublin, Ireland
Vedanta Lisheen Mining Ltd.	The Lisheen Mine, Killoran, Moyne, Thurles, Co. Tipperary, E41 R622, Ireland



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[www.decc.gov.ie/GSRO](http://www.decc.gov.ie/GSRO)