



**Roinn Cumarsáide, Gníomhaithe
ar son na hAeráide & Comhshaoil**
Department of Communications,
Climate Action & Environment

Prospecting Licence Areas Open for Application Under Competition and Industry News

1 November 2018

Prepared by the Exploration and Mining Division,
Department of Communications, Climate Action and Environment
www.dccae.gov.ie
www.mineralsireland.ie

Contents

Contents.....	1
Ground Status and Application Procedure	2
Available Ground.....	2
Ground Unavailable.....	5
Application Procedures	5
Payments to the Department of Communications Climate Action and Environment	7
Prospecting Licence Competition	8
Procedures	8
Competition Areas	9
State Mining And Prospecting Facilities	10
State Mining Facilities	10
Prospecting Licences Held.....	11
Prospecting Licences Granted Since 1st August 2018	34
Prospecting Licences Accepted and Advertised.....	37
Ireland: Exploration and Mining News - November 2018.....	38
Appendices	43
Publicly Available Prospecting Licence Area Data.....	43
Addresses of Companies Holding State Facilities.....	45

All information is also available at www.mineralsireland.ie



**Exploration
& Mining
Division** Minerals Ireland

*Roinn Cumarsáide,
Gníomhaithe ar son
na hAeráide agus
Comhshaoil*

Department of
Communications,
Climate Action &
Environment

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 www.DCCAE.gov.ie/EMDMapsAndData.

1. Ground Categories

- a. **Open areas:** Established licence areas available for application at any time are identified by their number and are coloured dark green or pale green. Those areas coloured pale green attract exploration incentives (see Incentive Areas below).
- b. **Held areas:** 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:** Available Prospecting Licence areas for this competition are listed on page 8.

2. Prospecting Licence Terms

A prospecting licence typically covers an area of 35 km². 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 Communications, Climate Action and Environment 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 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 Exploration and Mining Division 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 EMD.info@DCCAE.gov.ie or by post to:

Exploration and Mining Division
Department of Communications, Climate Action and Environment
29/31 Adelaide Road
Dublin D02 X285

Payments to the Department of Communications Climate Action and Environment

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 EMD directly.

Each payment must be followed by remittance notice detailing

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

The remittance notice should be sent to AccountsReceivable@DCCAE.gov.ie or by mail to Accounts Receivable, Department of Communications, Climate Action and Environment, 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	Bank of Ireland, Main Street, Cavan, H12 E394
Account Name	Department of Communications, Climate Action and Environment Accounts Receivable
Account No.	7849 2156
Bank Sort Code	90 32 93
IBAN	IE48 BOFI 9032 9378 4921 56
BIC	BOFIIE2D

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 February, 1 May, 1 August and 1 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 <http://www.DCCAE.gov.ie/EMDMapsAndData>. Updates to competitions are available on our competition page at <http://www.mineralsireland.ie/ExplorationLicensingProcess/ProspectingLicenceCompetitions.htm>.

Competition Areas

Prospecting Licence Areas available under competition for the period

1 November 2018 to 31 December 2018

PL Area	County	PL Area	County
930	Galway	3211	Kilkenny
1473	Wicklow	3435	Cork
1597	Carlow	3537	Cork
1715	Wicklow	3538	Cork
1814	Kilkenny	3559	Kilkenny
2239	Wicklow	3644	Clare
2899	Cork	3693	Kilkenny
2900	Cork	3694	Kilkenny/Tipperary
2901	Cork	3695	Kilkenny
2902	Cork	4121	Limerick
2930	Carlow	4363	Cork
2931	Carlow	4364	Cork
3154	Cork	4474	Tipperary/Limerick

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	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 Communications, Climate Action and Environment 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 (g); Silver (s); Platinum Group Elements (PGE), Rare Earth Elements (REE), Lithium (Li), Beryllium (Be), Caesium (Cs), Niobium (Nb), Rubidium (Rb), Tantalum (Ta), Tin, (Sn), Iron (Fe), Tungsten (W).

There are 596 Licences held on 1st November 2018.

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
186	Diversified Asset Holdings Pty. Ltd.	03-09-2014	Longford	Bm, b, s, g, PGE
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
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	Bm, B, s, g
480	Group Eleven Mining and Exploration Ltd.	13-02-2017	Offaly	Bm, b, s, g
481	Group Eleven Mining and Exploration Ltd.	13-02-2017	Offaly	Bm, 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
608	Centenary Resources Ltd.	10-04-2017	Offaly	Bm, b, s, g
622	Ballinalack Resources Ltd.	20-02-2006	Longford	Bm, b, s, g, PGE
626	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g
627	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g
635	Glencore Zinc Ireland Ltd.	06-12-1996	Limerick	Bm, b, s

PL Area	Licensee	Start Date	County	Minerals
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
757	Erris Zinc Ltd.	26-08-2013	Sligo	Bm, s, g
786	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g, Bm
890	Raptor Resources Ltd.	08-05-2017	Offaly	Bm, b, s, g
934	MOAG Copper Gold Resources Inc	31-12-2005	Galway	Bm, s
1051	Oldcastle Zinc Ltd.	28-01-2005	Cavan	Bm, b, s, g, PGE
1053	Oldcastle Zinc Ltd.	28-01-2005	Meath	Bm, b, s, g, PGE
1102	Boliden Tara Mines Ltd.	22-06-2018	Galway	Bm, b, s, g
1108	Centenary Resources Ltd.	03-04-2017	Offaly	Bm, b, s, g
1174R	Adventus Exploration Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
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
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
1302	Group Eleven Mining and Exploration Ltd.	10-11-2016	Limerick	Bm, b, s, g
1303	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	Bm, B, s, g
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

PL Area	Licensee	Start Date	County	Minerals
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
1349	Teck Ireland Ltd.	12-02-2012	Westmeath	Bm, b, s, g, PGE
1362	Boliden Tara Mines Ltd.	22-06-2018	Galway	Bm, b, s, g
1383	Ballinalack Resources Ltd.	20-02-2006	Westmeath	Bm, b, s, g, PGE
1384	Ballinalack Resources Ltd.	19-12-2011	Westmeath	Bm, b, s, g, PGE
1385	Ballinalack Resources Ltd.	20-02-2006	Westmeath	Bm, b, s, g, PGE
1431	Gold Note Minerals Ltd.	21-06-2013	Galway	Bm, s, g
1440R	Westland Exploration Ltd.	23-10-1972	Meath	Bm, b, s
1450	Beal Na Blath Resources Ltd.	10-07-2015	Meath/Dublin	Bm, b, s, g, PGE
1469	Omagh Minerals Ltd.	18-03-2014	Leitrim	Bm, b, s, g
1476	Blackstairs Li 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
1541	Zimtu Capital Corp	30-11-2016	Wexford	Bm, g, REE, Li
1542	Zimtu Capital Corp	30-11-2016	Wexford	Bm, g, REE, Li
1555	Adventus Zinc Ireland Ltd.	07-11-2016	Waterford	Bm, b, s
1556	Adventus Zinc Ireland Ltd.	07-11-2016	Waterford	Bm, b, s
1577	Hannan Metals Ireland Ltd.	02-08-2018	Tipperary	Bm, b, s
1578	Hannan Metals Ireland Ltd.	02-08-2018	Tipperary	Bm, b, s

PL Area	Licensee	Start Date	County	Minerals
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
1586	BMEx Pty Ltd.	03-08-2018	Longford	Bm, b, s, g
1587	BMEx Pty Ltd.	03-08-2018	Longford	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
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
1650	Connemara Mining Co. Ltd.	23-05-2017	Laois	Bm, b, s, g
1652	Vedanta Exploration Ireland Ltd.	20-03-2014	Laois	Bm, b, s, g, Calcite
1653	Vedanta Exploration Ireland Ltd.	20-03-2014	Laois	Bm, b, s, g, Calcite
1660	Erris Zinc Ltd.	26-08-2013	Sligo	Bm, s, g
1672	BMEx Pty Ltd.	16-10-2017	Leitrim	Bm, b, s, g
1675	BMEx Pty Ltd.	16-10-2017	Leitrim	Bm, b, s, g
1700	Boliden Tara Mines Ltd.	03-07-2014	Galway	Bm, b, s, g
1764	Erris Zinc Ltd.	17-08-2018	Galway	Bm, b, s, g
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
1796	Erris Zinc Ltd.	17-08-2018	Galway	Bm, b, s, g
1797	Erris Zinc Ltd.	17-08-2018	Galway	Bm, b, s, g
1798	Erris Zinc Ltd.	17-08-2018	Galway	Bm, b, s, g
1800	Erris Zinc Ltd.	30-08-2018	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
1940	Group Eleven Mining and Exploration Ltd.	12-11-2016	Cork	Bm, B, s, g,
1942	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	Bm, B, s, g,
1943	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	Bm, B, s, g,

PL Area	Licensee	Start Date	County	Minerals
1946	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	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
1952	Unicorn Mineral Resources Ltd.	06-07-2011	Clare	Bm, b, s, g, PGE, Fluorspar
1959	Erris Zinc Ltd.	30-08-2018	Galway	Bm, b, s, g
1960	Erris Zinc Ltd.	30-08-2018	Galway	Bm, b, s, g
1966	Adventus Zinc Ireland Ltd.	07-11-2016	Waterford	Bm, b, s
1967	Adventus Zinc Ireland Ltd.	07-11-2016	Waterford	Bm, b, s
1979	Erris Zinc Ltd.	30-08-2018	Galway	Bm, b, s, g
1991	Oldcastle Zinc Ltd.	28-01-2005	Meath	Bm, b, s, g, PGE
2021	Adventus Exploration Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
2024	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
2029	Group Eleven Mining and Exploration Ltd.	18-12-2015	Kerry	Bm, b, s, g
2030	Group Eleven Mining and Exploration Ltd.	14-12-2015	Kerry	Bm, b, s, g
2033	Adventus Zinc Ireland Ltd.	11-07-2018	Cork	Bm, b, s, g, PGE
2053	Hendrick Resources (Ireland) Ltd.	13-01-2012	Wexford	Bm, b, s, g, PGE, Cs, Li, Nb, Ta, Sn, W
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
2097	Erris Zinc Ltd.	30-08-2018	Galway	Bm, b, s, g
2098	Erris Zinc Ltd.	30-08-2018	Galway	Bm, b, s, g

PL Area	Licensee	Start Date	County	Minerals
2099	Erris Zinc Ltd.	30-08-2018	Galway	Bm, b, s, g
2105	Beal Na Blath Resources Ltd.	03-07-2015	Roscommon	Bm, b, s, g, PGE
2115	Oriel Selection Trust Ltd.	25-02-2010	Donegal	Bm, b, s, g, PGE, REE
2193	Beal Na Blath Resources Ltd.	20-06-2015	Monaghan	Bm, b, s, g, PGE
2194	Conroy Gold Ltd.	15-07-1996	Monaghan	Bm, b, s, g
2236	Hendrick Resources (Ireland) Ltd.	13-01-2012	Wexford	Bm, b, s, g, PGE, Cs, Li, Nb, Ta, Sn, W
2237	Hendrick Resources (Ireland) Ltd.	13-01-2012	Wexford	Bm, b, s, g, PGE, Cs, Li, Nb, Ta, Sn, W
2260	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
2295	Gold Note Minerals Ltd.	21-06-2013	Galway	Bm, s, g
2301	Gold Note Minerals Ltd.	21-06-2013	Galway	Bm, s, g
2331	BMEx Pty Ltd.	02-10-2017	Cork	Bm, b, s, g
2394	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
2395	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
2440	Beal Na Blath Resources Ltd.	30-06-2015	Cork	Bm, b, s, g, PGE
2442	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
2522	Boliden Tara Mines Ltd.	15-11-2006	Offaly/Laois	Bm, b, s, g
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, Sn, 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

PL Area	Licensee	Start Date	County	Minerals
2560	Group Eleven Mining and Exploration Ltd.	18-01-2017	Offaly	Bm, b, s, g
2564	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g
2567	Group Eleven Mining and Exploration Ltd.	18-01-2017	Tipperary	Bm, b, s, g
2568	Group Eleven Mining and Exploration Ltd.	18-01-2017	Tipperary	Bm, b, s, g
2579	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	Bm, b, s, g
2590	Hannan Metals Ireland Ltd.	31-08-2017	Clare	Bm, b, s, g
2594	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	B, s, g, Bm
2597	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
2625	Connemara Mining Co. Ltd.	23-05-2017	Laois	Bm, b, s, g
2637	Adventus Zinc Ireland Ltd.	26-06-2018	Cork	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	S, g
2647	Gold Note Minerals Ltd.	21-06-2013	Galway	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
2664	BMEx Pty Ltd.	03-08-2018	Longford	Bm, b, s, g
2674	Boliden Tara Mines Ltd.	25-01-2007	Westmeath	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
2724	Beal Na Blath Resources Ltd.	03-07-2015	Galway	Bm, b, s, g, PGE
2732	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
2752	Unicorn Mineral Resources Ltd.	20-03-2015	Waterford	Bm, b, s, g, PGE
2754	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
2775	Ballinalack Resources Ltd.	19-12-2011	Longford	Bm, b, s, g, PGE

PL Area	Licensee	Start Date	County	Minerals
2776	BMEx Pty Ltd.	03-08-2018	Leitrim	Bm, b, s, g
2777	Group Eleven Mining and Exploration Ltd.	18-12-2015	Kerry	Bm, b, s, g
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
2780	BMEx Pty Ltd.	03-08-2018	Longford	Bm, b, s, g
2781	Centenary Resources Ltd.	10-04-2017	Offaly	Bm, b, s, g
2782	Centenary Resources Ltd.	10-04-2017	Offaly	Bm, b, s, g
2812	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
2813	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
2814	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
2836	Beal Na Blath Resources Ltd.	10-07-2015	Meath	Bm, b, s, g, PGE
2840	Group Eleven Mining and Exploration Ltd.	30-09-2016	Limerick/Tipperary	Bm, b, s, g
2845	Group Eleven Mining and Exploration Ltd.	10-11-2016	Limerick	Bm, b, s, g
2860	Unicorn Mineral Resources Ltd.	04-07-2011	Offaly	Bm, b, s, g, PGE, Fluorspar
2861	Centenary Resources Ltd.	10-04-2017	Offaly	Bm, b, s, g
2872	Diversified Asset Holdings Pty. Ltd.	19-03-2014	Limerick	Bm, b, s, g, PGE, Sn, W
2881	BMEx Pty Ltd.	16-10-2017	Leitrim	Bm, b, s, g
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
2886	Erris Zinc Ltd.	17-08-2018	Galway	Bm, b, s, g
2888	Erris Zinc Ltd.	17-08-2018	Galway	Bm, b, s, g
2889	Boliden Tara Mines Ltd.	22-06-2018	Galway	Bm, b, s, g
2895	Unicorn Mineral Resources Ltd.	16-02-2016	Clare	Bm, b, s, g, PGE

PL Area	Licensee	Start Date	County	Minerals
2927	TILZ Minerals Ltd.	31-01-2005	Limerick	Bm, b, s, g, PGE
2933	Adventus Zinc Ireland Ltd.	11-07-2018	Kerry	Bm, b, s, g, PGE
2934	Adventus Zinc Ireland Ltd.	11-07-2018	Kerry	Bm, b, s, g, PGE
2946	Adventus Exploration Ltd.	24-01-2014	Cork	Bm, b, s, g
2947	Adventus Exploration Ltd.	24-01-2014	Cork	Bm, b, s, g
2948	Adventus Exploration Ltd.	24-01-2014	Cork	Bm, b, s, g
2949	Adventus Exploration Ltd.	28-11-2013	Cork	Bm, b, s, g
2954	Adventus Zinc Ireland Ltd.	11-07-2018	Kerry	Bm, b, s, g, PGE
2964	Connemara Mining Co. Ltd.	08-12-2016	Donegal	Bm, s, g
3007	Connemara Mining Co. Ltd.	08-12-2016	Donegal	Bm, s, g
3008	Connemara Mining Co. Ltd.	08-12-2016	Donegal	Bm, s, g
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
3027	Beal Na Blath Resources Ltd.	20-06-2015	Monaghan	Bm, b, s, g, PGE
3028	Conroy Gold and Natural Resources Plc	15-07-1996	Monaghan	Bm, b, s, g
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
3062	Connemara Mining Co. Ltd.	08-12-2016	Donegal	Bm, s, g
3063	Connemara Mining Co. Ltd.	10-04-2015	Donegal	Bm, 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
3076	Group Eleven Mining and Exploration Ltd.	18-12-2015	Kerry	Bm, b, s, g
3077	Group Eleven Mining and Exploration Ltd.	18-12-2015	Kerry	Bm, b, s, g

PL Area	Licensee	Start Date	County	Minerals
3094	Connemara Mining Co. Ltd.	08-12-2016	Donegal	Bm, s, g
3095	Connemara Mining Co. Ltd.	10-04-2015	Donegal	Bm, s, g
3112	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3128	BMEx Pty Ltd.	16-10-2017	Donegal	Bm, b, s, g
3129	Group Eleven Mining and Exploration Ltd.	13-02-2017	Offaly	Bm, b, s, g
3130	Conroy Gold and Natural Resources Plc	27-11-1996	Cavan	Bm, b, s, g
3132	BMEx Pty Ltd.	16-10-2017	Donegal	Bm, b, s, g
3133	BMEx Pty Ltd.	16-10-2017	Donegal	Bm, b, s, g
3134	BMEx Pty Ltd.	16-10-2017	Donegal	Bm, b, s, g
3135	Omagh Minerals Ltd.	31-05-2013	Donegal	Bm, b, s, g
3136	BMEx Pty Ltd.	16-10-2017	Donegal	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	Connemara Mining Co. Ltd.	23-05-2017	Laois	Bm, b, s, g
3160	Connemara Mining Co. Ltd.	23-05-2017	Laois	Bm, b, s, g
3162	Omagh Minerals Ltd.	18-03-2014	Leitrim	Bm, b, s, g
3163	Beal Na Blath Resources Ltd.	03-07-2015	Roscommon	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	S, g
3194	Unicorn Mineral Resources Ltd.	20-03-2015	Waterford	Bm, b, s, g, PGE
3195	Unicorn Mineral Resources Ltd.	20-03-2015	Kilkenny/ Waterford	Bm, b, s, g, PGE
3202	Beal Na Blath Resources Ltd.	30-06-2015	Cork	Bm, b, s, g, PGE
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
3213	Zimtu Capital Corp	30-11-2016	Kilkenny	Bm, g, REE, Li
3214	Kenmare Resources Plc.	24-11-2014	Kilkenny	Bm, b, s, g, PGE
3215	Zimtu Capital Corp	30-11-2016	Kilkenny	Bm, g, REE, Li

PL Area	Licensee	Start Date	County	Minerals
3216	Zimtu Capital Corp	30-11-2016	Kilkenny	Bm, g, REE, Li
3227	Gold Note Minerals Ltd.	21-06-2013	Galway	Bm, s, g
3228	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
3229	Adventus Exploration Ltd.	28-11-2013	Cork	Bm, b, s, g
3230	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
3232	Boliden Tara Mines Ltd.	04-08-2017	Westmeath	Bm, b, s, g
3234	Omagh Minerals Ltd.	31-05-2013	Donegal	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
3237	Diversified Asset Holdings Pty. Ltd.	15-07-2015	Wexford	Bm, b, s, g, PGE, Fe
3246	Hannan Metals Ireland Ltd.	02-08-2018	Tipperary	Bm, b, s
3249	Unicorn Mineral Resources Ltd.	29-09-2016	Limerick	Bm, b, s, g
3251	Beal Na Blath Resources Ltd.	03-07-2015	Galway	Bm, b, s, g, PGE
3263	Connemara Mining Co. Ltd.	23-05-2017	Laois	Bm, b, s, g
3267	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	B, s, g, Bm
3268	Glencore Zinc Ireland Ltd.	08-11-1991	Limerick	Bm, b, s
3273	Group Eleven Mining and Exploration Ltd.	18-01-2017	Offaly	Bm, b, s, g
3281	Group Eleven Mining and Exploration Ltd.	18-12-2015	Kerry	Bm, b, s, g
3282	Group Eleven Mining and Exploration Ltd.	14-12-2015	Kerry	Bm, b, s, g
3285	LRH Resources Ltd.	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
3293	Adventus Zinc Ireland Ltd.	26-06-2018	Limerick	Bm, b, s, g, PGE
3294	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3295	Adventus Zinc Ireland Ltd.	26-06-2018	Cork	Bm, b, s, g, PGE
3312	Vedanta Exploration Ireland Ltd.	30-06-2014	Laois	Bm, b, s, g, Calcite
3313	Connemara Mining Co. Ltd.	14-07-2014	Kilkenny	Bm, b, s, g, PGE
3318	Centenary Resources Ltd.	10-04-2017	Tipperary	Bm, b, s, g
3321	Hannan Metals Ireland Ltd.	02-08-2018	Tipperary	Bm, b, s

PL Area	Licensee	Start Date	County	Minerals
3323	Unicorn Mineral Resources Ltd.	06-03-2015	Waterford	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
3338	Adventus Zinc Ireland Ltd.	26-06-2018	Cork	Bm, b, s, g, PGE
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
3365	Adventus Zinc Ireland Ltd.	26-06-2018	Cork	Bm, b, s, g, PGE
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, Bm
3369	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g, Bm
3370	Group Eleven Mining and Exploration Ltd.	18-12-2015	Kerry	Bm, 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
3380	Bowpark Exploration Ireland Ltd.	10-09-2010	Sligo	Bm, b, s, g
3381	Bowpark Exploration Ireland Ltd.	10-09-2010	Sligo	Bm, b, s, g
3382	Bowpark Exploration Ireland Ltd.	10-09-2010	Sligo	Bm, b, s, g
3397	Beal Na Blath Resources Ltd.	27-04-2017	Cavan	Bm, b, s, g, PGE
3400	Conroy Gold and Natural Resources Plc	27-11-1996	Cavan	Bm, b, s, g
3404	Hannan Metals Ireland Ltd.	02-08-2018	Kilkenny	Bm, b, s
3407	Blackstairs Li Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
3411	Blackstairs Li Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
3425	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g
3431	Glencore Zinc Ireland Ltd.	30-05-2005	Limerick	Bm, b, s, PGE

PL Area	Licensee	Start Date	County	Minerals
3432	Centenary Resources Ltd.	10-04-2017	Offaly	Bm, b, s, g
3459	Beal Na Blath Resources Ltd.	03-07-2015	Galway	Bm, b, s, g, PGE
3469	Conroy Gold and Natural Resources Plc	28-02-2017	Monaghan	Bm, b, s, g
3470	Boliden Tara Mines Ltd.	27-11-2006	Galway	Bm, b, s, g
3471	Boliden Tara Mines Ltd.	27-11-2006	Galway	Bm, b, s, g
3475	Group Eleven Mining and Exploration Ltd.	18-01-2017	Tipperary/Offaly	Bm, b, s, g
3476	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g
3477	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g
3479	Unicorn Mineral Resources Ltd.	06-07-2011	Galway	Bm, b, s, g, PGE, Fluorspar
3488	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g, Bm
3489	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g, Bm
3492	Group Eleven Mining and Exploration Ltd.	14-12-2015	Kerry	Bm, b, s, g
3493	Group Eleven Mining and Exploration Ltd.	14-12-2015	Kerry	Bm, b, s, g
3494	Group Eleven Mining and Exploration Ltd.	14-12-2015	Kerry	Bm, b, s, g
3495	Group Eleven Mining and Exploration Ltd.	14-12-2015	Kerry	Bm, b, s, g
3496	Connemara Mining Co. Ltd.	08-12-2016	Donegal	Bm, s, g
3500	Conroy Gold and Natural Resources Plc	14-05-2012	Clare	Bm, b, s, g
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
3509	Hannan Metals Ireland Ltd.	20-08-2012	Clare	Bm, b, s
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
3522	Group Eleven Mining and Exploration Ltd.	30-03-2017	Kilkenny	Bm, b, s, g

PL Area	Licensee	Start Date	County	Minerals
3523	Group Eleven Mining and Exploration Ltd.	30-03-2017	Kilkenny	Bm, b, s, g
3524	Group Eleven Mining and Exploration Ltd.	30-03-2017	Kilkenny	Bm, b, s, g
3525	Group Eleven Mining and Exploration Ltd.	30-03-2017	Kilkenny	Bm, b, s, g
3526	Beal Na Blath Resources Ltd.	27-04-2017	Cavan	Bm, b, s, g, PGE
3535	Diversified Asset Holdings Pty. Ltd.	05-05-2014	Cork	Bm, b, s, g, PGE
3536	Diversified Asset Holdings Pty. Ltd.	05-05-2014	Cork	Bm, b, s, g, PGE
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, Bm
3552	Group Eleven Mining and Exploration Ltd.	04-11-2016	Tipperary	B, s, g, Bm
3555	Group Eleven Mining and Exploration Ltd.	14-12-2015	Kerry	Bm, b, s, g
3556	Group Eleven Mining and Exploration Ltd.	14-12-2015	Kerry	Bm, b, s, g
3570	Unicorn Mineral Resources Ltd.	06-03-2015	Waterford	Bm, b, s, g, PGE
3571	Unicorn Mineral Resources Ltd.	06-03-2015	Waterford	Bm, b, s, g, PGE
3574	Unicorn Mineral Resources Ltd.	06-03-2015	Waterford	Bm, b, s, g, PGE
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
3578	Erris Zinc Ltd.	30-08-2018	Galway	Bm, b, s, g
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
3586	Adventus Exploration Ltd.	01-07-2013	Cork	Bm, b, s, g
3587	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
3589	Boliden Tara Mines Ltd.	04-08-2017	Westmeath	Bm, b, s, g
3604	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
3605	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g

PL Area	Licensee	Start Date	County	Minerals
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 Exploration 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, 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
3633	BMEx Pty Ltd.	03-08-2018	Longford	Bm, b, s, g
3634	Longford Zinc Mining 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
3641	Unicorn Mineral Resources Ltd.	26-02-2018	Clare	Bm, b, s, g, PGE
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
3645	Group Eleven Mining and Exploration Ltd.	30-03-2017	Tipperary/ Kilkenny	Bm, b, s, g
3646	Group Eleven Mining and Exploration Ltd.	30-03-2017	Tipperary	Bm, b, s, g
3647	Glencore Zinc Ireland Ltd.	08-11-1991	Tipperary/ Limerick	Bm, b, s
3650	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	B, s, g, Bm
3651	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	B, s, g, Bm
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

PL Area	Licensee	Start Date	County	Minerals
3655	Ballinalack Resources Ltd.	19-12-2011	Westmeath	Bm, b, s, g, PGE
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
3664	Teck Ireland Ltd.	07-10-2008	Dublin	Bm, b, s, g
3665	Teck Ireland Ltd.	07-10-2008	Dublin	Bm, b, s, g
3676	Hendrick Resources (Ireland) Ltd.	13-01-2012	Wicklow	Bm, b, s, g, PGE, Cs, Li, Nb, Ta, Sn, W
3678	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g
3679	Hannan Metals Ireland Ltd.	19-12-2005	Clare	Bm, b, s, g
3681	Boliden Tara Mines Ltd.	07-07-2012	Galway	Bm, b, s, g
3709	Zimtu Capital Corp	30-11-2016	Kilkenny	Bm, g, REE, Li
3713	Adventus Zinc Ireland Ltd.	07-11-2016	Waterford	Bm, b, s
3715	Adventus Zinc Ireland Ltd.	07-11-2016	Waterford	Bm, b, s
3727	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g
3729	IMC Exploration Ltd.	20-04-2011	Clare	Bm, b, s
3730	Adventus Exploration Ltd.	24-01-2014	Louth	Bm, b, s, g, Gypsum
3731	Adventus Exploration Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
3732	Adventus Exploration 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
3737	Hannan Metals Ireland Ltd.	02-08-2018	Kilkenny	Bm, b, s
3738	Hannan Metals Ireland Ltd.	02-08-2018	Kilkenny	Bm, b, s
3739	Hannan Metals Ireland Ltd.	02-08-2018	Kilkenny	Bm, b, s
3740	Hannan Metals Ireland Ltd.	02-08-2018	Kilkenny	Bm, b, s
3755	Boliden Tara Mines Ltd.	07-07-2012	Galway	Bm, b, s, g
3777	Canex JV	19-12-2011	Kildare	Bm, b, s, g
3782	Group Eleven Mining and Exploration Ltd.	04-11-2016	Tipperary	B, s, g, Bm
3783	Group Eleven Mining and Exploration Ltd.	18-12-2015	Kerry	Bm, b, s, g

PL Area	Licensee	Start Date	County	Minerals
3785	Hannan Metals Ireland Ltd.	02-08-2018	Tipperary	Bm, b, s
3786	Hannan Metals Ireland Ltd.	02-08-2018	Tipperary	Bm, b, s
3787	Hannan Metals Ireland Ltd.	08-06-1994	Clare	Bm, b, s
3788	Hannan Metals Ireland Ltd.	08-06-1994	Clare	Bm, b, s, Calcite, Fluorite
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
3801	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
3813	Centenary Resources Ltd.	03-04-2017	Offaly/ Westmeath	Bm, b, s, g
3814	Centenary Resources Ltd.	03-04-2017	Offaly	Bm, b, s, g
3818	Erris Zinc Ltd.	17-08-2018	Galway	Bm, b, s, g
3819	Adventus Exploration Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
3820	Connemara Mining Co. Ltd.	10-04-2015	Donegal	Bm, s, g
3824	Aurum Mineral Resources Ltd.	27-05-2004	Limerick	Bm, b, s, g
3825	Adventus Exploration Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
3828	Group Eleven Mining and Exploration Ltd.	30-03-2017	Kilkenny	Bm, b, s, g
3829	Group Eleven Mining and Exploration Ltd.	30-03-2017	Kilkenny	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
3852	Boliden Tara Mines Ltd.	16-12-2005	Meath	Bm, b, s, g
3857	IMC Exploration Ltd.	12-05-2011	Wicklow/ Wexford	Bm, b, s, g
3858	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	B, s, g, Bm
3863	Unicorn Mineral Resources Ltd.	16-02-2016	Clare	Bm, b, s, g, PGE

PL Area	Licensee	Start Date	County	Minerals
3864	Blackstairs Li 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
3870	Beal Na Blath Resources Ltd.	27-04-2017	Monaghan	Bm, b, s, g, PGE
3871	Beal Na Blath Resources Ltd.	20-06-2015	Monaghan	Bm, b, s, g, PGE
3878	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g
3880	Beal Na Blath Resources Ltd.	03-07-2015	Galway	Bm, b, s, g, PGE
3888	BMEx Pty Ltd.	03-08-2018	Leitrim	Bm, b, s, g
3889	BMEx Pty Ltd.	03-08-2018	Leitrim	Bm, b, s, g
3890	BMEx Pty Ltd.	03-08-2018	Leitrim	Bm, b, s, g
3891	Dan Morrissey (Ireland) Ltd.	27-09-1999	Laois	Coal, Fireclay
3893	Blackstairs Li Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
3894	Blackstairs Li Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
3895	Zimtu Capital Corp	30-11-2016	Wexford	Bm, g, REE, Li
3896	Hendrick Resources (Ireland) Ltd.	27-10-2012	Wexford	Bm, b, s, g, PGE, Cs, Li, Nb, Ta, Sn, W
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
3902	Adventus Zinc Ireland Ltd.	26-06-2018	Cork	Bm, b, s, g, PGE
3907	Group Eleven Mining and Exploration Ltd.	18-01-2017	Offaly	Bm, b, s, g
3908	Glencore Zinc Ireland Ltd.	17-07-2001	Limerick	Bm, b, s
3914	Centenary Resources Ltd.	03-04-2017	Galway	Bm, b, s, g
3920	Boliden Tara Mines Ltd.	04-08-2017	Offaly	Bm, b, s, g
3921	Connemara Mining Co. Ltd.	10-04-2015	Donegal	Bm, s, g
3922	Connemara Mining Co. Ltd.	10-04-2015	Donegal	Bm, s, g
3923	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g, Bm
3925	Oldcastle Zinc Ltd.	28-01-2005	Meath	Bm, b, s, g, PGE
3926	Oldcastle Zinc Ltd.	28-01-2005	Meath	Bm, b, s, g, PGE
3931	Dan Morrissey (Ireland) Ltd.	27-04-2005	Laois/Carlow	Coal, Fireclay

PL Area	Licensee	Start Date	County	Minerals
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
3945	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
3957	Group Eleven Mining and Exploration Ltd.	30-03-2017	Kilkenny	Bm, b, s, g
3963	Unicorn Mineral Resources Ltd.	08-08-2012	Galway	Bm, b, s, g, PGE, Fluorspar
3967	Erris Zinc Ltd.	26-08-2013	Sligo	Bm, s, g
3980	Group Eleven Mining and Exploration Ltd.	18-01-2017	Offaly	Bm, b, s, g
3981	Minco Ireland Ltd.	03-11-2015	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

PL Area	Licensee	Start Date	County	Minerals
3992	Teck Ireland Ltd.	07-10-2008	Dublin	Bm, b, s, g
3994	Group Eleven Mining and Exploration Ltd.	10-11-2016	Limerick	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
4004	Oriel Selection Trust Ltd.	25-02-2010	Donegal	Bm, b, s, g, PGE, REE
4031	Blackstairs Li Ltd.	07-08-2009	Carlow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
4032	Blackstairs Li Ltd.	07-08-2009	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb, Ta
4034	Omagh Minerals Ltd.	31-05-2013	Donegal	Bm, b, s, g
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	Vedanta Exploration Ireland Ltd.	23-07-2015	Laois	Bm, b, s, g
4042	Vedanta Exploration Ireland Ltd.	23-07-2015	Laois	Bm, b, s, g
4043	Vedanta Exploration Ireland Ltd.	09-03-2015	Laois	Bm, b, s, g
4044	Hannan Metals Ireland Ltd.	02-08-2018	Laois/Kilkenny	Bm, b, s
4045	Boliden Tara Mines Ltd.	06-02-2011	Offaly	Bm, b, s, g
4050	Erris Zinc Ltd.	30-08-2018	Galway	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
4053	Connemara Mining Co. Ltd.	07-07-2011	Wexford	Bm, b, s, g, PGE, Cs, Li, Nb, Ta, Sn, W
4054	Zimtu Capital Corp	30-11-2016	Wexford	Bm, g, REE, Li
4055	Hannan Metals Ireland Ltd.	02-08-2018	Tipperary	Bm, b, s
4057	Unicorn Mineral Resources Ltd.	04-07-2011	Offaly	Bm, b, s, g, PGE, Fluorspar
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
4072	Raptor Resources Ltd.	21-09-2015	Kildare	Bm, b, s, g, PGE

PL Area	Licensee	Start Date	County	Minerals
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
4092	Boliden Tara Mines Ltd.	20-03-2012	Meath	Bm, b, s, g
4095	Unicorn Mineral Resources Ltd.	24-05-2012	Clare	Bm, b, s, g, PGE, Fluorspar
4098	Conroy Gold and Natural Resources Plc	16-07-2012	Cavan	Bm, b, s, g
4099	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
4100	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
4101	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
4102	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
4103	Adventus Exploration Ltd.	27-06-2013	Cork	Bm, b, s, g
4104	Adventus Exploration Ltd.	30-06-2013	Cork	Bm, b, s, g
4132	Adventus Zinc Ireland Ltd.	26-06-2018	Cork	Bm, b, s, g, PGE
4133	Adventus Zinc Ireland Ltd.	26-06-2018	Cork	Bm, b, s, g, PGE
4135	Adventus Zinc Ireland Ltd.	26-06-2018	Cork	Bm, b, s, g, PGE
4136	Adventus Zinc Ireland Ltd.	26-06-2018	Cork	Bm, b, s, g, PGE
4236	Adventus Zinc Ireland Ltd.	16-06-2017	Cork	Bm, b, s, g
4248	Beal Na Blath Resources Ltd.	27-04-2017	Monaghan	Bm, b, s, g, PGE
4251	Beal Na Blath Resources Ltd.	27-04-2017	Monaghan	Bm, b, s, g, PGE
4272	Adventus Exploration Ltd.	24-01-2014	Meath	Bm, b, s, g, Gypsum
4469	Erris Zinc Ltd.	30-08-2018	Galway	Bm, b, s, g
4470	Erris Zinc Ltd.	26-08-2013	Sligo	Bm, s, g
4471	Zetland Resources Ltd.	03-07-2013	Galway	Bm, b, s, g
4472	Zetland Resources Ltd.	03-07-2013	Galway	Bm, b, s, g
4473	Zetland Resources Ltd.	03-07-2013	Galway	Bm, b, s, g
4477	Ballinalack Resources Ltd.	15-04-2013	Westmeath	Bm, b, s, g, PGE
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

PL Area	Licensee	Start Date	County	Minerals
4484	Boliden Tara Mines Ltd.	28-06-2013	Meath	Bm, b, s, g
4485	Adventus Exploration Ltd.	24-01-2014	Monaghan	Bm, b, s, g, Gypsum
4486	Adventus Exploration Ltd.	05-02-2014	Monaghan	Bm, b, s, g, Gypsum
4491	Adventus Exploration Ltd.	24-01-2014	Louth	Bm, b, s, g, Gypsum
4498	Boliden Tara Mines Ltd.	19-04-2002	Meath	Bm, b, s
4499	Group Eleven Mining and Exploration Ltd.	12-02-2015	Tipperary	Bm, b, s, g
4500	Oriel Selection Trust Ltd.	12-12-2016	Donegal	Bm, b, s, g, PGE, REE, Li
4502	Oriel Selection Trust Ltd.	29-05-2015	Donegal	Bm, b, s, g, PGE, REE
4503	Boliden Tara Mines Ltd.	26-10-1970	Meath	Bm, b, s, g
4504	Group Eleven Mining and Exploration Ltd.	29-09-2016	Tipperary	Bm, b, s, g
4505	Connemara Mining Co. Ltd.	05-12-2016	Cork	Bm, b, s, g
4505	Connemara Mining Co. Ltd.	05-12-2016	Cork	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
4509	Centenary Resources Ltd.	10-04-2017	Offaly	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
4518	Adventus Zinc Ireland Ltd.	11-07-2018	Cork	Bm, b, s, g, PGE

PL Area	Licensee	Start Date	County	Minerals
4520	Connemara Granite Teo	05-07-2018	Galway	Bm, b, Be, Fluorspar, Gemstones including semi-precious stones
4525	Adventus Zinc Ireland Ltd.	11-07-2018	Cork	Bm, b, s, g, PGE
4526	Adventus Zinc Ireland Ltd.	11-07-2018	Cork	Bm, b, s, g, PGE
4527	Adventus Zinc Ireland Ltd.	11-07-2018	Kerry	Bm, b, s, g, PGE
4528	Adventus Zinc Ireland Ltd.	11-07-2018	Kerry	Bm, b, s, g, PGE
4529	Adventus Zinc Ireland Ltd.	11-07-2018	Kerry	Bm, b, s, g, PGE
4530	Adventus Zinc Ireland Ltd.	11-07-2018	Cork	Bm, b, s, g, PGE
4534	Erris Zinc Ltd.	17-08-2018	Galway	Bm, b, s, g
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
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

Prospecting Licences Granted Since 1st August 2018

PL Area	Licensee	Start	County	Minerals
1199	IMC Exploration Limited	09-10-2018	Wexford	Bm, g, s
1200	IMC Exploration Limited	09-10-2018	Wexford	Bm, g, s
1577	Hannan Metals Ireland Ltd	02-08-2018	Tipperary	Bm, b, s
1578	Hannan Metals Ireland Ltd	02-08-2018	Tipperary	Bm, b, s
1586	BMEx Pty Ltd	03-08-2018	Longford	Bm, b, g, s
1587	BMEx Pty Ltd	03-08-2018	Longford	Bm, b, g, s
1764	Erris Zinc Limited	17-08-2018	Galway	Bm, b, g, s
1796	Erris Zinc Limited	17-08-2018	Galway	Bm, b, g, s
1797	Erris Zinc Limited	17-08-2018	Galway	Bm, b, g, s
1798	Erris Zinc Limited	17-08-2018	Galway	Bm, b, g, s
1800	Erris Zinc Limited	30-08-2018	Galway	Bm, b, g, s
1959	Erris Zinc Limited	30-08-2018	Galway	Bm, b, g, s
1960	Erris Zinc Limited	30-08-2018	Galway	Bm, b, g, s
1979	Erris Zinc Limited	30-08-2018	Galway	Bm, b, g, s
2097	Erris Zinc Limited	30-08-2018	Galway	Bm, b, g, s
2098	Erris Zinc Limited	30-08-2018	Galway	Bm, b, g, s
2099	Erris Zinc Limited	30-08-2018	Galway	Bm, b, g, s
2664	BMEx Pty Ltd	03-08-2018	Longford	Bm, b, g, s
2776	BMEx Pty Ltd	03-08-2018	Leitrim	Bm, b, g, s
2780	BMEx Pty Ltd	03-08-2018	Longford	Bm, b, g, s

PL Area	Licensee	Start	County	Minerals
2886	Erris Zinc Limited	17-08-2018	Galway	Bm, b, g, s
2888	Erris Zinc Limited	17-08-2018	Galway	Bm, b, g, s
3030	LRH Resources Limited	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
3246	Hannan Metals Ireland Ltd	02-08-2018	Tipperary	Bm, b, s
3285	LRH Resources Limited	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
3321	Hannan Metals Ireland Ltd	02-08-2018	Tipperary	Bm, b, s
3404	Hannan Metals Ireland Ltd	02-08-2018	Kilkenny	Bm, b, s
3578	Erris Zinc Limited	30-08-2018	Galway	Bm, b, g, s
3633	BMEx Pty Ltd	03-08-2018	Longford	Bm, b, g, s
3737	Hannan Metals Ireland Ltd	02-08-2018	Kilkenny	Bm, b, s
3738	Hannan Metals Ireland Ltd	02-08-2018	Kilkenny	Bm, b, s
3739	Hannan Metals Ireland Ltd	02-08-2018	Kilkenny	Bm, b, s
3740	Hannan Metals Ireland Ltd	02-08-2018	Kilkenny	Bm, b, s
3785	Hannan Metals Ireland Ltd	02-08-2018	Tipperary	Bm, b, s
3786	Hannan Metals Ireland Ltd	02-08-2018	Tipperary	Bm, b, s
3799	LRH Resources Limited	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
3818	Erris Zinc Limited	17-08-2018	Galway	Bm, b, g, s
3888	BMEx Pty Ltd	03-08-2018	Leitrim	Bm, b, g, s
3889	BMEx Pty Ltd	03-08-2018	Leitrim	Bm, b, g, s
3890	BMEx Pty Ltd	03-08-2018	Leitrim	Bm, b, g, s
4044	Hannan Metals Ireland Ltd	02-08-2018	Kilkenny/ Laois	Bm, b, s
4050	Erris Zinc Limited	30-08-2018	Galway	Bm, b, g, s

PL Area	Licensee	Start	County	Minerals
4055	Hannan Metals Ireland Ltd	02-08-2018	Tipperary	Bm, b, s
4272	Erris Zinc Limited	30-08-2018	Galway	Bm, b, g, s
4534	Erris Zinc Limited	17-08-2018	Galway	Bm, b, g, s
4536	LRH Resources Limited	23-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4537	LRH Resources Limited	23-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4538	LRH Resources Limited	23-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4539	LRH Resources Limited	23-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4540	LRH Resources Limited	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4541	LRH Resources Limited	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4542	LRH Resources Limited	23-10-2018	Dublin/ Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4543	LRH Resources Limited	23-10-2018	Dublin/ Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4544	LRH Resources Limited	23-10-2018	Dublin	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4545	LRH Resources Limited	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4546	LRH Resources Limited	12-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb
4547	LRH Resources Limited	23-10-2018	Wicklow	Bm, s, g, REE, Be, Cs, Li, Nb, Rb

Prospecting Licences Accepted and Advertised

PL Area	Applicant	County	Minerals
2523	Beal Na Blath Resources Ltd	Roscommon	Bm, b, g, s, PGE
2702	Beal Na Blath Resources Ltd	Offlay	Bm, b, g, s, PGE
2981	Beal Na Blath Resources Ltd	Roscommon	Bm, b, g, s, PGE
2982	Beal Na Blath Resources Ltd	Roscommon	Bm, b, g, s, PGE
3219	Beal Na Blath Resources Ltd	Dublin	Bm, b, g, s, PGE
3220	Beal Na Blath Resources Ltd	Dublin	Bm, b, g, s, PGE

Ireland: Exploration and Mining News

November 2018

Mining Highlights

Mine Operations

There are currently two operating mines in Ireland (Figure 1): Navan (zinc-lead) and Drummond (gypsum). Underground Zn-Pb production from the Lisheen Mine ceased in October 2015. The Galmoy Zn-Pb Mine terminated its mining operations in October 2012.

2018 Half Yearly (Jan-June) Mine Production

- Zinc metal in concentrates: 76kt (Equivalent figure for H1, 2017 was 66kt)
- Lead metal in concentrates: 10kt (Equivalent figure for H1, 2017 was 9kt)

2018 Half Yearly (Jan-June) Mine Output (Metal Content)

(a) Zinc

- Ireland produced 14.1% of European zinc mine output in H1, 2018 (3rd in Europe)
- Ireland produced 1.25% of World zinc mine output in H1, 2018 (14th in World)

(b) Lead

- Ireland produced 4.6% of European lead mine output in H1, 2018 (Equal 5th in Europe)
- Ireland produced 0.44% of World lead mine output in H1, 2018 (21st in World)

Source of Production Data: International Lead & Zinc Study Group

Mining

In the first half of 2018, the Navan underground zinc-lead mine accounted for approximately fourteen percent of European zinc mine output (21.0% of EU28 production) and 4.6% of European lead mine output (11.5% of EU28 production). Output from the mine also amounted to 1.25% of world mine production for zinc and 0.44% for lead. According to data published by the International Lead and Zinc Study Group, in the first half of 2018, Ireland ranked 14th and 21st in the world in relation to zinc and lead mine output respectively. Following the cessation of operations at Lisheen in late 2015, Ireland now places third in Europe, behind the Russian Federation and Sweden, in terms of European mine production for zinc.

Boliden Tara Mines Ltd operation at **Navan**, Co. Meath, is the largest zinc mine in Europe. In the first half of 2018, the mine milled 1.12Mt of ore grading 7.11% Zn and 1.37% Pb. Since mining operations commenced in 1977, total production at Navan has amounted to 93.70Mt grading 7.70% Zn and 1.76% Pb. At the end of 2017, the mine's JORC classified ore reserves (proven and probable) stood at 19.5Mt grading 5.8% Zn and 1.4% Pb, whilst mineral resources (measured, indicated and inferred) were 22.1Mt at 7.1% Zn and 1.9% Pb.

Irish Gypsum Ltd., a subsidiary of French multi-national Saint Gobain, produced approximately 250kt of gypsum in 2017 from its underground mine at **Drummond**, Co. Monaghan. 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. In May 2018, the company also re-commenced extraction operations from the Knocknacran open pit, adjacent to Drummond Mine.

Exploration Highlights

Number of Current Prospecting Licences (PLs):	596
Number of Companies holding Prospecting Licences:	46
Percentage of Ireland Land Area under Licence:	Approx. 29%
Total Exploration Expenditure in 2017:	€19.545 Million
Exploration Expenditure on PLs in 2017:	€17.30 Million
Exploration Expenditure on State Mining Facilities in 2017:	€2.24 Million
2017 Drilling on PLs (non-mine related):	Approx. 60,000 metres

Exploration Activity

As of 26th October 2018, forty six corporate entities held a total of 596 Prospecting Licences (PLs). A further 65 Prospecting Licence applications are currently being processed. Since 1st May 2018, 89 licences have been issued. Of these licences, twenty one have been granted to Adventus Zinc Ireland Ltd in Cos Cork, Kerry and Limerick and eighteen to Erris Zinc Ltd in Co. Galway. Fifteen licences have been issued in Cos Dublin and Wicklow to a new Irish exploration company, LRH Resources Ltd. Other companies who have been granted Prospecting licences since the publication of the last PL Competition Map include: Hannan Metals Ireland Ltd (13 PLs in Cos Kilkenny, Laois and Tipperary), BMEx Pty Ltd (9 PLs in Cos. Leitrim and Longford), Boliden (6 PLs in Co. Galway), Oriel Selection Trust Ltd (3 PLs in Co. Donegal), IMC Exploration Ltd (2 PLs in Co. Wexford), Connemara Granite Teo (1 licence in Co. Galway) and Irish Marine Oil (1 PL in Co. Kildare).

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, antimony, barite, PGEs, molybdenum, tungsten, tin, REE, gem minerals, calcite, fluorite and gypsum.

Group Eleven Mining and Exploration Ltd currently control the largest ground position in Ireland comprising 98 Prospecting Licences that cover an area of 3,200km². The company exclusively holds 81 licences in four main project areas; Pallas Green West (33 PLs), Silvermines North (19 PLs), Tralee (15 PLs) and Silvermines (5 PLs).

The Tellus airborne geophysical survey is currently being flown over significant parts of these project areas, partially funded by the company.

In 2017, Group Eleven acquired Teck's 60% interest in **Ballinalack Resources Ltd** (11 PLs centred on the Ballinalack deposit) and 76.56% stake in **TILZ Minerals Ltd** (TILZ) '**Stonepark Project**' (6 licences). In June 2018, TILZ, a joint venture between **Group Eleven** and **Connemara Mining Co. Ltd.** reported that drilling at Stonepark (DH G-11-2638-01) intersected 5.4m grading 25.0% zinc + 7.2% lead and 12.2g/t silver, with a true width estimated at 4.9m. The company plans to drill between 1,500-2,000m as part of its "Big Think" exploration strategy with the focus entirely outside the existing mineral resource estimate footprint. A maiden inferred mineral resource estimate of 5.1Mt @ 11.3% Zn and Pb combined was published by the companies in the April in accordance with NI43-101.

Adventus Zinc Ireland Ltd ('AZIL') is currently the third largest licence holder in Ireland, with 50 PLs. In the past year, AZIL has completed a 26.5 km seismic survey at its Rathkeale block in Co. Limerick, which the company indicates has brought about a paradigm shift in the understanding of the area's mineral potential. On its Lismore Block in Co Waterford, AZIL has additionally undertaken detailed target generation studies. A number of exploration targets have been identified on both blocks, which the company intends to follow-up with diamond drilling.

Teck Ireland Ltd. currently holds 49 PL areas in Ireland. During 2018, Teck undertook a regional seismic survey across its licence areas. Earlier in the year, **Oldcastle Zinc Ltd.**, a joint venture between **Teck Ireland** and **Connemara Mining**, re-commenced drilling on the Springhall target at the **Oldcastle Zinc Project**, Counties Meath and Cavan."

Erris Resources plc (Erris) has completed additional surface diamond drilling near the **Abbeytown** Zn-Pb underground mine in Co. Sligo, that was closed in 1961. The company has drilled to the south of the old workings to test for strike and depth extensions to mineralization from the old workings. Significant intersections recently reported include 4.1m grading 15.63% Zn+Pb and 90.68 g/t Ag from 171.4m depth (DH ERAB005) and 2m at 15.57% Zn+Pb, 1.9% Cu and 51.50 g/t Ag from 150-152m (DH ERAB007). Erris has also gained entry to the underground workings to undertake mapping, surveying, 3D modelling and systematic channel sampling of pillars. Highlights of the latter work include 4m grading 18.40% Zn+Pb with 116.85 g/t Ag

(pillar 4) and 4m grading 10.72% Zn+Pb combined with 80.46 g/t Ag (pillar 2). The company intends shortly to commence an underground drilling programme to test the area between the mine workings and the recently completed surface drilling.

In July 2018, **Bowpark Exploration** and **Playfair Mining** began a second phase of drilling on the **Ox Mountains** prospect in Co. Sligo. The target of the drilling programme was gold-bearing structures within the Cloonacool Alteration Zone defined by 2016 drilling.



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

AB	Abbeytown
DR	Drummond
GA	Galmoy
LI	Lisheen
NA	Navan
OC	Oldcastle
OX	Ox Mountains
PG	Pallas Green
RK	Rathkeale
SM	Silvermines
SP	Stonepark

Appendices

Publicly Available Prospecting Licence Area Data

Public viewing access

Publicly available Prospecting Licence area data consists of non-confidential company work reports, both on surrendered Prospecting Licences, and on work more than 6 years old in current Prospecting Licences. This 'open file' data is available for viewing by members of the public from the Geological Survey of Ireland (www.gsi.ie), Department of Communications, Climate Action and Environment, Beggars Bush, Haddington Road, Dublin, D04 A068, and also from the Exploration and Mining Division, (www.DCCAE.gov.ie/EMD) 29/31 Adelaide Road, Dublin, D02 X285 (only for data released from 1st January, 2000). The following viewing arrangements currently apply:

- Access to the Databank held by GSI. By making an appointment with the Minerals Section to view the reports at the GSI (see contact below), or by visiting the GSI Customer Centre and accessing the databanks through the public computer system.
- Digital copies of these may be obtained. Please contact GSI for details and charges. All digital data from EMD is free.
- Photocopies (b/w). These are supplied at cost. Currently the charges are: A0 €6.00; A1 €5.00; A2 €3.00; A3 €0.30; A4 €0.15

For appointments or further information, please contact either the Geological Survey, Eoin McGrath of the Minerals Section, Tel: 01 678 2863, eoin.mcgrath@gsi.ie, or the Exploration and Mining Division (Dr Wayne Cox, Tel: 01 678 2677, wayne.cox@dccae.gov.ie).

Catalogue of Open File Data

A digital copy of the 'Catalogue of Exploration Company Open File Data' is available free of charge from the Geological Survey. The catalogue lists all of the approximately 75,000 individual items (reports, maps, sections, drill logs), which are currently held in the open file system. The Catalogue is available as an Access database on CD and may be obtained by applying to Eoin McGrath of the Minerals Section, Tel: 01 678 2863 or: eoin.mcgrath@gsi.ie.

Online Data Availability

Since mid-2003, the Exploration and Mining Division have been progressively providing publicly available company exploration data released since 1st January 2000 on the 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.	69-70 Main Street, Oughterard, Galway, H91 E827, Ireland
Adventus Zinc Ireland Ltd.	69-70 Main Street, Oughterard, Galway, H91 E827, Ireland
Aurum Mineral Resources Ltd.	c/o Alba Mineral Resources Plc, Ridge House, The Ridge, Broadblunsdon, Swindon, Wiltshire, SN26 7AD, UK
Ballinalack Resources Ltd.	The Murrough, Wicklow, A67 K039, Ireland
Beal Na Blath Resources Ltd.	Gokane Point, Tragumna, Skibbereen, Cork, P81 EP84, Ireland
Blackstairs Li 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
Bowpark Exploration Ireland Ltd.	Nore View, Thomastown, Kilkenny, R95 R5H9, Ireland
Canex JV	12 Durham Road, Sandymount, Dublin, D04 ED61, Ireland
Centenary Resources Ltd.	Gokane Point, Tragumna, Skibbereen, Cork, P81 EP84, Ireland
Connemara Granite Teo	Ros an Mhil, Baile na hAbhain, Galway, H91 V8YA, Ireland
Connemara Mining Co. Ltd.	162 Clontarf Road, Dublin, D03 F6Y0, Ireland
Conroy Gold and 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.	209 Tower Bridge Business Centre, 46-48 East Smithfield, London, E1W 1AW, UK
Glencore Zinc Ireland Ltd.	Unit 1, Dromkeen Industrial Park, Dromkeen, Limerick, V94 TW59, Ireland
Gold Note Minerals Ltd.	1158-409, Granville Street, Vancouver, British Columbia, V6C 1T2, Canada

Name	Address
Group Eleven Mining and Exploration Ltd.	'Cratloe', Ballyprecas, Bunclody, Wexford, Y21 PC43, Ireland
Hannan Metals Ireland Ltd.	Blair House, Upper O'Connell Street, Ennis, Clare, V95 FD1V, 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, Ireland
Irish Resource Exploration Ltd.	22 Northumberland Road, Ballsbridge, Dublin, D04 ED73, Ireland
Kenmare Resources Plc.	Chatham House, Chatham Street, Dublin, D02 VP46, Ireland
Longford Zinc Mining Ltd.	Trinity House, Charleston Road, Ranelagh, Dublin, D06 C8X4, Ireland
LRH Resources Ltd.	69-70 Main Street, Oughterar, Galway, H91 E827, Ireland
Minco Ireland Ltd.	Coolfore Road, QME, Ardbracken, Navan, Meath, C15 KXY3, Ireland
MOAG Copper Gold Resources Inc	21 Burkebrook Place, Suite 405, Toronto, Ontario, M4G 0A2, Canada
Oldcastle Zinc Ltd.	162 Clontarf Road, Dublin, D03 F6Y0, Ireland
Omagh Minerals Ltd.	56, Botera Upper Road, Omagh, Tyrone, BT78 5LH, Northern Ireland
Oriel Selection Trust Ltd.	Aurum Exploration Services Ltd, Unit 34, Kells Business Park, Virginia Road, Kells, Meath, A82 E6K0, Ireland
Raptor Resources Ltd.	Gokane Point, Tragumna, Skibbereen, Cork, P81 EP84, 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.	The Murrough, Wicklow, A67 K039, 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

Name	Address
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
Zetland Resources Ltd.	c/o Zetland House Hotel, Cashel, Connemara, Galway, H91 AW61, Ireland
Zimtu Capital Corp	Suite 1450-789 West Pender Street, Vancouver, British Columbia, V6C 1H2, Canada

2. 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

Exploration and Mining Division,
Department of Communications, Climate Action and Environment

29-31 Adelaide Road
Dublin
D02 X285
Ireland

Tel: + 353-1-6782000
Email: EMD.info@dccae.gov.ie

www.dccae.gov.ie/EMD