



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 November 2020

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All information is also available at 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 <http://spatial.dcenr.gov.ie/ExplorationAndMining/SpatialViewer/index.html>.

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.12-32). 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 10

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 12-32.

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 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@DECC.gov.ie or by post to:

Exploration and Mining Division
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 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 can be sent to 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	Bank of Ireland, Main Street, Cavan, H12 E394
Account Name	Department of Environment, Climate and Communications Accounts Receivable
Account No.	7849 2156
Bank Sort Code	90 32 93
IBAN	IE48 BOFI 9032 9378 4921 56
BIC	BOFIIIE2D

The Department cannot accept any responsibility for payments that cannot be identified due to lack of information. Should you have any queries please contact AccountsReceivable@decc.gov.ie

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 1st February, 1st May, 1st August and 1st 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>.

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
<ul style="list-style-type: none"> • Proposed exploration expenditure 	20	
<ul style="list-style-type: none"> • Coherence/Applicability/Comprehensiveness 	15	
<ul style="list-style-type: none"> • Dynamic nature of the programme (i.e. tempo of work programme) 	10	
Availability of funds		15
<ul style="list-style-type: none"> • Funds at hand 	10	
<ul style="list-style-type: none"> • 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 application.
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
1st November 2020 to 31st December 2020

PL Area	County	PL Area	County	PL Area	County
1302	Limerick	3162	Leitrim	3888	Leitrim
1469	Leitrim	3219	Dublin	3889	Leitrim
1577	Tipperary	3220	Dublin	3890	Leitrim
1578	Tipperary	3246	Tipperary	3902	Cork
1586	Longford	3293	Limerick	3994	Limerick
1587	Longford	3295	Cork	4044	Laois/ Kilkenny
1940	Cork	3321	Tipperary	4055	Tipperary
1946	Limerick	3338	Cork	4132	Cork
2033	Cork	3365	Cork	4133	Cork
2637	Cork	3404	Kilkenny	4135	Cork
2664	Longford	3470	Galway	4136	Cork
2702	Offaly	3633	Longford	4518	Cork
2776	Leitrim	3737	Kilkenny	4525	Cork
2780	Longford	3738	Kilkenny	4526	Cork
2845	Limerick	3739	Kilkenny	4527	Kerry
2933	Kerry	3740	Kilkenny	4528	Kerry
2934	Kerry	3785	Tipperary	4529	Kerry
2954	Kerry	3786	Tipperary	4530	Cork

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 (g); Silver (s); Platinum Group Elements (PGE), Rare Earth Elements (REE) Lithium (Li), Beryllium (Be), Caesium (Cs), Niobium (Nb), Rubidium (Rb), Iron (Fe).

There are 454 Licences held on 1st November 2020.

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
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, Bm
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
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
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

PL Area	Licensee	Start Date	County	Minerals
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, Bm
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, Mo
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
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
1185	Minerex Ltd.	03-04-2019	Wexford	Bm, s, g
1188	Minerex Ltd.	03-04-2019	Wexford	Bm, s, g
1190	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
1303	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	B, s, g, Bm
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

PL Area	Licensee	Start Date	County	Minerals
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
1450	Beal Na Blath Resources Ltd.	10-07-2015	Meath/ Dublin	Bm, b, s, g, PGE
1457	Group Eleven Mining and Exploration Ltd.	19-08-2019	Limerick	Bm, b, s
1473	Blackstairs Li Ltd.	28-02-2020	Wicklow	Bm, Cs, Li

PL Area	Licensee	Start Date	County	Minerals
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
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, Mo
1583	Adventus Zinc Ireland Ltd.	22-09-2016	Limerick	B, s, g, Bm
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
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 Li 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

PL Area	Licensee	Start Date	County	Minerals
1803	BMEEx 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
1942	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	B, s, g, Bm
1943	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	B, s, g, Bm
1947	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	B, s, g, Bm
1948	Group Eleven Mining and Exploration Ltd.	12-11-2016	Limerick	B, s, g, Bm
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
1991	Oldcastle Zinc Ltd.	28-01-2005	Meath	Bm, b, s, g, PGE
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
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
2236	Hendrick Resources (Ireland) Ltd.	13-01-2012	Wexford	Bm, b, s, g, PGE, Cs, Li, Nb, Ta, Tin, W

PL Area	Licensee	Start Date	County	Minerals
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	BMEEx Pty Ltd.	02-10-2017	Cork	Bm, b, s, g
2416	Great Glen Resources Ltd.	20-12-2018	Monaghan	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

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
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
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	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
2674	Boliden Tara Mines Ltd.	25-01-2007	Westmeath	Bm, b, s, g
2678	Great Glen Resources Ltd.	20-12-2018	Monaghan	Bm, b, s, g
2679	Great Glen Resources Ltd.	20-12-2018	Monaghan	Bm, b, s, g
2680	Great Glen Resources Ltd.	20-12-2018	Monaghan	Bm, b, s, g
2681	Great Glen Resources Ltd.	20-12-2018	Monaghan	Bm, b, s, g
2682	Great Glen Resources Ltd.	20-12-2018	Monaghan	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
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
2778	Teck Ireland Ltd.	26-01-2012	Meath	Bm, b, s, g, PGE

PL Area	Licensee	Start Date	County	Minerals
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
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
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
2964	Challenge Exploration Ltd.	08-04-2019	Donegal	Diamond, Gemstones including semi- precious stones
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

PL Area	Licensee	Start Date	County	Minerals
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	Challenge Exploration Ltd.	08-04-2019	Donegal	Diamond, Gemstones including semi-precious stones
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
3169	Irish Resource Exploration Ltd.	04-07-2011	Galway	Bm, b, s, g
3170	Irish Resource Exploration Ltd.	29-06-2012	Galway	S, g
3185	Great Glen Resources Ltd.	20-12-2018	Tipperary	Bm, b, 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
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

PL Area	Licensee	Start Date	County	Minerals
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
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
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
3318	Centenary Resources Ltd.	10-04-2017	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
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
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

PL Area	Licensee	Start Date	County	Minerals
3382	Bowpark Exploration Ireland Ltd.	10-09-2010	Sligo	Bm, b, s, g
3400	Conroy Gold and Natural Resources Plc	27-11-1996	Cavan	Bm, b, s, g
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
3426	Group Eleven Mining and Exploration Ltd.	28-02-2019	Tipperary	Bm, b, s
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
3465	Minerex Ltd.	03-04-2019	Wexford	Bm, s, g
3466	Minerex Ltd.	03-04-2019	Wexford	Bm, s, g
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
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
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
3496	Connemara Mining Co. Ltd.	08-12-2016	Donegal	Bm, 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
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

PL Area	Licensee	Start Date	County	Minerals
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, Bm
3552	Group Eleven Mining and Exploration Ltd.	04-11-2016	Tipperary	B, s, g, Bm
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
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
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, 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 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

PL Area	Licensee	Start Date	County	Minerals
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
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
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
3665	Teck Ireland Ltd.	07-10-2008	Dublin	Bm, b, s, g
3668	Group Eleven Mining and Exploration Ltd.	28-02-2019	Tipperary	Bm, b, s
3670	Group Eleven Mining and Exploration Ltd.	28-02-2019	Tipperary	Bm, b, s
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
3677	Group Eleven Mining and Exploration Ltd.	28-02-2019	Tipperary	Bm, b, s
3678	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g

PL Area	Licensee	Start Date	County	Minerals
3679	Hannan Metals Ireland Ltd.	19-12-2005	Clare	Bm, b, s, g
3706	Great Glen Resources Ltd.	20-12-2018	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
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 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, Bm
3787	Hannan Metals Ireland Ltd.	08-06-1994	Clare	Bm, b, s
3789	Hannan Metals Ireland Ltd.	08-06-1994	Clare	Bm, b, s

PL Area	Licensee	Start Date	County	Minerals
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
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
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
3858	Group Eleven Mining and Exploration Ltd.	28-11-2016	Limerick	B, s, g, Bm
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
3878	Group Eleven Mining and Exploration Ltd.	27-03-2017	Tipperary	Bm, b, s, g
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

PL Area	Licensee	Start Date	County	Minerals
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
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
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
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, 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
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

PL Area	Licensee	Start Date	County	Minerals
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
3980	Group Eleven Mining and Exploration Ltd.	18-01-2017	Offaly	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
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
4035	Centenary Resources Ltd.	10-04-2017	Tipperary	Bm, b, s, g
4038	Erris Zinc Ltd.	30-09-2013	Sligo	Bm, b, s, g
4045	Boliden Tara Mines Ltd.	06-02-2011	Offaly	Bm, b, s, g

PL Area	Licensee	Start Date	County	Minerals
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
4081	Minerex Ltd.	03-04-2019	Wexford	Bm, s, g
4098	Conroy Gold and Natural Resources Plc	16-07-2012	Cavan	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

PL Area	Licensee	Start Date	County	Minerals
4479	Boliden Tara Mines Ltd.	28-06-2013	Meath	Bm, b, s, g
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
4504	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
4510	Centenary Resources Ltd.	10-04-2017	Tipperary	Bm, b, s, g
4513	Shannon Resources Ltd.	13-07-2017	Kilkenny/ Laois	Bm, b, s, Dolomite and Dolomitic Limestone
4514	Shannon Resources Ltd.	13-07-2017	Kilkenny	Bm, b, s, Dolomite and Dolomitic Limestone

PL Area	Licensee	Start Date	County	Minerals
4515	Shanoon Resources Ltd.	13-07-2017	Kilkenny	Bm, b, s, Dolomite and Dolomitic Limestone
4516	BMEEx 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
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 Li Ltd.	28-02-2020	Wicklow	Bm, Cs, Li

PL Area	Licensee	Start Date	County	Minerals
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 1st August 2020

PL Area	Licensee	Start	County	Minerals
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

Prospecting Licences Accepted and Advertised

PL Area	Applicant	County	Minerals
1575	Raptor Resources Ltd	Tipperary	B, Bm, g, s
1650	Raptor Resources Ltd	Laois	B, Bm, g, s
1652	Raptor Resources Ltd	Laois	B, Bm, g, s
1653	Raptor Resources Ltd	Laois	B, Bm, g, s
2026	Raptor Resources Ltd	Tipperary	B, Bm, g, s
2027	Raptor Resources Ltd	Tipperary	B, Bm, g, s
2604	Raptor Resources Ltd	Tipperary	B, Bm, g, s
2625	Raptor Resources Ltd	Laois	B, Bm, g, s
2717	Raptor Resources Ltd	Tipperary	B, Bm, g, s
2718	Raptor Resources Ltd	Tipperary	B, Bm, g, s
3158	Raptor Resources Ltd	Laois	B, Bm, g, s
3160	Raptor Resources Ltd	Laois	B, Bm, g, s
3263	Raptor Resources Ltd	Laois	B, Bm, g, s
3312	Raptor Resources Ltd	Laois	B, Bm, g, s
3313	Shanoon Resources Ltd	Kilkenny	B, Bm, g, s
3316	Raptor Resources Ltd	Tipperary	B, Bm, g, s
3317	Raptor Resources Ltd	Tipperary	B, Bm, g, s
3319	Raptor Resources Ltd	Tipperary	B, Bm, g, s
3320	Raptor Resources Ltd	Tipperary	B, Bm, g, s
3358	Raptor Resources Ltd	Tipperary	B, Bm, g, s
3421	Raptor Resources Ltd	Tipperary	B, Bm, g, s
3689	Raptor Resources Ltd	Tipperary	B, Bm, g, s
3827	Raptor Resources Ltd	Tipperary	B, Bm, g, s
3928	Medgold Resources Ltd	Galway	B, Bm, g, s
4041	Raptor Resources Ltd	Laois	B, Bm, g, s
4042	Raptor Resources Ltd	Laois	B, Bm, g, s
4043	Raptor Resources Ltd	Laois	B, Bm, g, s
4112	Raptor Resources Ltd	Tipperary	B, Bm, g, s
4113	Raptor Resources Ltd	Tipperary	B, Bm, g, s
4114	Raptor Resources Ltd	Tipperary	B, Bm, g, s
4116	Raptor Resources Ltd	Tipperary	B, Bm, g, s
4117	Raptor Resources Ltd	Tipperary	B, Bm, g, s
4118	Raptor Resources Ltd	Tipperary	B, Bm, g, s
4480	Raptor Resources Ltd	Tipperary	B, Bm, g, s
4481	Raptor Resources Ltd	Tipperary	B, Bm, g, s
4482	Raptor Resources Ltd	Tipperary	B, Bm, g, s
4483	Raptor Resources Ltd	Tipperary	B, Bm, g, s

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Mining Highlights

Mine Operations

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

2020 Half Yearly (Jan-June) Mine Production

- Zinc metal in concentrates: 59kt (Equivalent figure for H1, 2019 was 58kt)
- Lead metal in concentrates: 6.5kt (Equivalent figure for H1, 2019 was 7kt)

Mining

Boliden Tara Mines DAC operation at **Navan**, Co. Meath, is the largest zinc mine in Europe. In the first half of 2020, the mine milled 1.09Mt of ore grading 5.67% Zn and 0.99% Pb. Since mining operations commenced in 1977, up until 30 June 2020, total production at Navan has amounted to 98.33Mt grading 7.81% Zn and 1.77% Pb. At the end of 2019, the mine's PERC classified ore reserves (proven and probable) stood at 17.4Mt grading 6.0% Zn and 1.6% Pb, whilst mineral resources (measured, indicated and inferred) were 30.4Mt at 7.2% Zn and 1.6% Pb. The latter figure also includes an inferred resource for the 'Tara Deep' deposit of 22.4Mt grading 7.8% Zn and 1.6% Pb. The Tara Deep deposit is located approximately 1km southeast of the main mine, at a depth of 1-2km below surface. This deposit has continued to be the focus of significant exploration drilling throughout 2020.

Irish Gypsum Ltd., a subsidiary of French multi-national Saint Gobain, cumulatively produced approximately 200kt of gypsum in 2019 from its underground (**Drummond**) and open pit (**Knocknacran**) operations in 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.

Exploration Activity

Exploration Highlights

Number of Current Prospecting Licences (PLs):	454
Number of Companies holding Prospecting Licences:	46
Percentage of Ireland Land Area under Licence:	Approx. 22%
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.

As of 29th October 2020, forty six corporate entities held a total of 454 Prospecting Licences (PLs). The largest licence holders are Group Eleven Mining and Exploration Ltd, Boliden Tara Mines Ltd, Teck Ireland Ltd, Adventus Zinc Ireland Ltd and Raptor Resources Ltd. A further 60 Prospecting Licence applications are presently being processed. Since 1st May 2020, 25 licences have been issued. Of these, 23 have been granted to Raptor Resources Ltd in Cos Laois (15), Kildare (5) and Offaly (3) and two PLAs have been issued to Group Eleven Mining and Exploration Ltd near Mallow in Co. Cork.

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, antimony, PGEs and gem minerals.

Group Eleven Mining and Exploration Ltd has recently been active drilling at a number of prospects in Co. Limerick. The company has undertaken drilling within the 'Pallas Green Corridor', a 25km long, NNW trend of mineralization that extends from **Glencore's** Pallas Green deposit, southwards towards the Kiltleely, **Carrickittle**, Ballywire and **Denison (Aherlow)** prospects. Drilling at Carrickittle in mid 2020 intersected 10.3m grading 14.6% zinc, 5% lead and 43 g/t silver from 56m depth. Group Eleven reports that this intersection is the best mineralization ever encountered at the Carrickittle prospect and the best mineralization that the company has drilled in Ireland, since its inception in 2015. Additional follow-up drilling at Carrickittle commenced in late September.

Group Eleven has additionally undertaken step-out drilling at its **Stonepark** zinc project (Co Limerick), to test for extensions of mineralization. Stonepark is a joint venture between Group Eleven (76.56% interest) and **Arkle Resources Plc** (23.44% interest). In 2018, Group Eleven published an inferred resource estimated for the Stonepark deposit that amounted to 5.1 million tonnes grading 8.7% zinc and 2.6% lead.

Raptor Resources Ltd., a 100% owned subsidiary of Australian explorer **Zinc of Ireland NL**, has published a mineral resource estimate update for its **Kildare Zinc-Lead Project**. The JORC classified Inferred Mineral Resource Estimate for the Kildare project has been increased to 11.3Mt grading 7.8% zinc and 1.2% lead, based on a 5.0% ‘zinc equivalent.’ The increase in Inferred Resources reflects additional drilling undertaken by the company in the Fault Compartment 3 (FC3) area which lies directly between the McGregor and Shamrock deposits. In 2020, the company also commissioned Golder Associates Ireland Ltd to undertake a high level mining study on the potential development of an underground mining operation. The study has indicated that well established, low-cost mining methods are well suited in their application to the Kildare project.

In July 2020, **Conroy Gold and Natural Resources plc** signed non-binding Heads of Terms relating to a proposed joint venture (JV) with Anglo Asian Mining plc. Anglo Asian is an AIM quoted gold, copper and silver producer in Central Asia with a broad portfolio of production and exploration assets in Azerbaijan. Under the Heads of Terms, subject to a final Joint Venture Agreement being put in place, Anglo Asian can acquire a total 55% working interest in the JV subjecting to it meeting a number of expenditures, including that required to bring the **Clontibret** gold deposit to fully permitted mine status (See [press release dated 22 July 2020](#) for more details).



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

CB	Clontibret
CK	Carrickittle
DN	Dension (Aherlow)
DR	Drummond
KE	Kildare
NA	Navan
PG	Pallas Green
SP	Stonepark

Exploration and Mining Expenditures 2019

Based on provisional figures provided by exploration and mining companies, expenditure during the calendar year 2019 totalled €17.53 million (excluding office overheads). This is over €3 million lower than the 2018 figure of €20.94 million. The expenditure of €17.53 million is comprised of €15.17 million in Prospecting Licence Areas (“greenfield” exploration) and €2.37 million in areas covered by State Mining Facilities (SMF, “brownfield” exploration). Expenditure on drilling on PLs in 2019 amounted to €9.34M, which was lower than the equivalent figure for 2018 (€10.73M).

The expenditure in PL Areas is mainly related to base metal exploration (€14.05M), with lesser amounts being spent on gold (€760k) and other minerals (€357k).

Drilling statistics

Preliminary figures provided by Prospecting Licence holders indicate that a total of 53,499 metres of drilling (non mine-related) was carried out during 2019, mainly for base metals (zinc, lead).

Re-Structuring of Exploration & Mining Division

The recently re-named Department of the Environment, Climate and Communications is restructuring the delivery of its Geoscience functions from January 2021. The regulatory, licencing and operational roles currently held by Petroleum Affairs (PA) Division and Exploration and Mining (EM) Division will transfer to a new dedicated Geoscience Regulation Office within the Department. Simultaneously, the full policy and legislative functions that currently reside within the PA and EM Divisions will move to a new Geoscience Policy Division, also within the Department. The new arrangement will ensure that there is a clear divide between policy/legislation functions and regulation/monitoring functions.

Prospecting Licences (PLs)				
Activity	Base Metals	Gold	Other	Total
Geology	€2,037,605.00	€253,831.64	€86,174.00	€2,377,610.64
Geochemistry	€669,701.27	€206,854.00	€217,602.00	€1,094,157.27
Geophysics	€1,481,278.01	€12,900.00	€24,459.00	€1,518,637.01
Airborne Surveys	€97,430.00	€0.00	€0.00	€97,430.00
Drilling	€9,102,887.00	€218,069.47	€15,000.00	€9,335,956.47
Trenching	€6,180.00	€0.00	€3,000.00	€9,180.00
Environmental Studies	€295,591.00	€43,000.00	€2,473.00	€341,064.00
Other Costs (Includes data acquisition, consultancies, storage costs and report writing but excludes office overheads)	€361,984.00	€25,267.00	€8,200.00	€395,451.00
Total Expenditure [PL Areas] (A)	€14,052,656.28	€759,922.11	€356,908.00	€15,169,486.39
Irish Office Overheads	€1,651,316.68	€240,454.00	€30,450.00	€1,922,220.68
Total plus Irish Office Overheads	€15,703,972.96	€1,000,376.11	€387,358.00	€17,091,707.07
State Mining Facilities (SMFs)				
Drilling				€2,218,709.00
All Other Expenditure				€147,258.00
Total Exploration Expenditure (B)				€2,365,967.00
Mine Development Expenditure				€21,743,588.00
Total Exploration Expenditure				

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 Environment, Climate and Communications, Beggars Bush, Haddington Road, Dublin, D04 A068, and also from the Exploration and Mining Division, (www.DCCE.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@decc.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, Broadblunston, 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 Lithium Ltd	c/o Company Bureau Formations Limited, The Black Church, St Mary's Place, Dublin, D07 P4AX, Ireland
BMEEx 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
Centenary Resources Ltd	Gokane Point, Tragumna, Skibbereen, Cork, P81 EP84, Ireland
Challenge Exploration Ltd	Blackthorn Business Park, FDW House, Coes Road, Dundalk, Louth, A91 RW26
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	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
Great Glen Resources Ltd	Suite 2, 70 Queensway, Hemel Hempstead, Hertfordshire, HP2 5HD, UK
Group Eleven Mining & Exploration Ltd	'Cratloe', Ballyprecas, Bunclody, Wexford, Y21 PC43, Ireland
Hannan Metals Ireland Ltd	Blair House, Upper O'Connell Street, Ennis, Clare, V95 FD1V, Ireland

Name	Address
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
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
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

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

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