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Department of Communications, Energy and Natural Resources

# STATE MINING AND PROSPECTING FACILITIES, PROSPECTING LICENCE COMPETITION & INDUSTRY NEWS

1<sup>st</sup> November 2011



[www.mineralsireland.ie](http://www.mineralsireland.ie)

## Table of Contents

	Page
<b>Ground Status and Application Procedure</b>	<b>1</b>
Available Ground	1
Ground Unavailable	3
Application Procedures	3
Statement of Interest	4
<b>Prospecting Licence competition</b>	<b>5</b>
Procedures	5
Competition Areas	5
<b>State Mining and Prospecting Facilities</b>	<b>6</b>
State Mining Facilities	6
Prospecting Licences Held	7
<b>Prospecting Licences Offered and Advertised</b>	<b>20</b>
<b>Ireland: Exploration &amp; Mining News</b>	<b>21</b>
<b>Appendices</b>	<b>26</b>
Publicly Available Prospecting Licence Area Data	27
Addresses of Companies holding State Facilities	28

### Map (in back pocket)

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

# GROUND STATUS AND APPLICATION PROCEDURE

This booklet contains listed details of all current prospecting and mining facilities. Details include the names of the licensees, the geographical location (by reference to the relevant Ordnance Survey 6", or 1:10,560, maps) and, with reference to prospecting licences, the details of the minerals for which they have been issued. The accompanying coloured map also indicates the locations of these prospecting licences and mining facilities, as well as displaying ground that is available for application.

## Available Ground

Ground that is available for exploration under a Prospecting Licence (PL) is represented on the accompanying map as follows:

- **Ground Categories**

- **Open ground:** Ground which has not been subdivided into licence areas and which is available for application at any time is unnumbered, and coloured pale green.
- **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 Ground below).
- **Held areas:** Current prospecting licences (pink) and recently offered licences (brown) are restricted to certain minerals (p.7-20). Such ground is available for application for prospecting for other minerals.
- **Competition areas:** There are currently no areas in competition.

- **Prospecting Licence Terms**

A Prospecting Licence typically covers an area of 35 sq. km. 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). 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.

- **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,
- Stimulate interest in ground that is not at present regarded as particularly prospective,

The incentives apply to three categories of ground, viz.

- (i) **Open Areas**, where these Prospecting Licence areas have been available for application for more than four years,
- (ii) **Areas currently licensed for certain minerals**, but available for exploration for other minerals, and
- (iii) **Open Ground**, i.e. ground which has not yet been licensed.

The relevant Open Areas are shown (numbered) on the accompanying map, which also clearly indicates the Open Ground category. Currently licensed areas for which exploration may be undertaken for other minerals are listed on pages 7-19.

**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).

FEES	Standard	Incentive Areas	
		Open Ground	Open/Licensed Areas
	€	€	€
First 2 years	750	375	375
Second 2 years	875	375	375
Third 2 years	1,500	500	500
<b>TOTAL</b>	<b>3,125</b>	<b>1,250</b>	<b>1,250</b>
<b>MINIMUM EXPENDITURE REQUIREMENTS</b>			
	€	€	€
First 2 years	10,000	2,500	2,500
Second 2 years	15,000	3,750	5,000
Third 2 years	20,000	5,000	10,000
<b>TOTAL</b>	<b>45,000</b>	<b>11,250</b>	<b>17,500</b>

The minimum expenditure requirements for metalliferous minerals for each two-year phase of the licence are also significantly reduced. For the first two-year phase the requirement is 25% of the normal requirement i.e. €2,500 instead of €10,000; for the second two-year phase it is 33% of normal (€5,000), and for the third two-year phase it is 50% of normal (€10,000). The total requirement for the six-year period, therefore, is €17,500 as compared to the normal requirement of €45,000. For non-metalliferous minerals, the expenditure requirements will be individually set, but will not normally be higher than those for metalliferous minerals. After the first six years, the fees and expenditure requirements revert to the standard rates.

**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, Energy and Natural Resources 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).

**Open Ground:** Where a Prospecting Licence is issued over an area that is shown on the accompanying map as never having been licensed, the licence will normally be for a term of six years. The same reduced fees as for the 'Open Areas' incentive category will apply, namely €1,250, payable in advance as €375 for the first two-year phase, €375 for the second two-year phase and €500 for the third two-year phase. The minimum expenditure requirements are also considerably reduced. For each two-year phase of the first six years, the expenditure requirement is only 25% of that normally required i.e. the requirement is for a minimum of €2,500 in the first two years, €3,750 for the next two years, and €5,000 in the third two year phase. After the first six years the fees and expenditure requirements revert to the standard rates.

## Ground Unavailable

Ground unavailable for application is differentiated on the accompanying map as follows:

- Current Prospecting Licences for certain minerals (pink), Mining Leases, Mining Licences and Mining Permissions (red): These are indicated by their reference number and relevant colour.
- Licences under application, and that have been offered to the applicant: These are indicated by their reference number and a brown colour.
- Licence areas that are currently not being made available for application: These are also indicated by their reference number and a brown colour.
- Licences that have been applied for under earlier competition: These are indicated by their reference number and a peach colour.
- Excluded areas e.g. National Parks: These are areas that are not available for application at any time. They are indicated by a purple colour.

## 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 normally treated on a time-priority basis i.e. "first come, first served". Before making application for any open area or for open ground therefore, 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 to the first applicant, then the later interested party will be told that the ground is not available. If, however, the licence has not been offered to the first applicant, it will be open to the other party to apply for the ground. It should be clearly understood that, in accepting a second or subsequent application for an area, there is no implication that the Minister will regard a later application more favourably than an earlier one. Neither will the acceptance of an application for a Prospecting Licence create any obligation on the part of the Minister to grant a licence.

Where there is a valid Statement of Interest (see below) 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 to: -

The Secretary General  
Department of Communications, Energy and Natural Resources  
Exploration and Mining Division  
Beggars Bush  
Haddington Road  
Dublin 4

on Form No. 1, accompanied by a **fee of €190.00 per Prospecting Licence area**. A copy of the form is available from EMD at the above address, or available at [www.mineralsireland.ie](http://www.mineralsireland.ie). All payments must be in Euro, and cheques and bank drafts should be drawn on a bank branch located in the Republic of Ireland. Cheques and bank drafts should be made payable to "The Department of Communications, Energy and Natural Resources" and endorsed "Account payee only"

Successful applicants can anticipate that the Prospecting Licence will be issued within four months of the application date (or of the closing date of the competition, if the area sought is in competition), provided that they comply fully with application requirements, respond promptly to any queries and cause no delay in supplying a satisfactory insurance policy.

# Statement of Interest

- **Introduction**

A company that has not reached the stage of making formal application for a Prospecting Licence may establish its interest in an area with the Exploration and Mining Division by written submission of a "Statement of Interest" on the standard form (available on [www.mineralsireland.ie](http://www.mineralsireland.ie)). A Statement of Interest will normally relate to open ground or areas open for application at any time and for which the company intends to make a formal application following a review of available data.

A company that holds a current Prospecting Licence for certain minerals is deemed to have a standing Statement of Interest for all other minerals in that area. This Statement of Interest will remain valid for as long as the Prospecting Licence is held.

- **Entitlement**

In the event of there being, subsequently, a Prospecting Licence application for an area (or part of an area) held under the Statement of Interest, the company that holds the Statement of Interest will be notified that an application has been received. No other details, e.g. minerals applied for, will be provided. It will then be open to that company to apply for a Prospecting Licence over the area or part of the area covered by the Statement of Interest. **Application must be made within two weeks of notification.** Failure to reply by that date will be taken as a withdrawal of the Statement of Interest. If an application is made, the original applicant will be notified, and is entitled to submit a revised application. If the applications overlap, then they will be considered on their respective merits without regard to the fact that one application had been received prior to the other. It should be noted that more than one company may hold a Statement of Interest over a particular area; however, no action will be taken on these Statements of Interest until a formal application for a Prospecting Licence has been received.

- **Validity**

A Statement of Interest usually will remain valid only until publication of the following edition of the map showing areas held under State Mining and Prospecting facilities. This map is currently published on 1<sup>st</sup> May and 1<sup>st</sup> November each year. On publication of a new map the Statements of Interest will cease to be valid and may not be renewed unless exceptional circumstances are recognised by the Exploration and Mining Division.

- **General**

On registering a Statement of Interest with the Exploration and Mining Division, the reasons for such interest should be given. This information will be treated as confidential until such time as the company agrees otherwise, and will be used only to assist the Exploration and Mining Division in making a recommendation on competing applications.

Neither the acceptance by the Department of Communications, Energy and Natural Resources of an application for a Prospecting Licence (or other facility), nor the acceptance by the Exploration and Mining Division of a Statement of Interest should be regarded as in any way binding on the Minister. The Minister may at his discretion accept or reject any application for any State prospecting or development facility.

# 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.

The list of 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. Publications for the 1st May and the 1st November will contain details of current licences, industry news, map of State Mining and Prospecting Areas, etc. The 1st February and 1st August publications are more limited. 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. They will not involve the production of a PL map or a list of licences held, etc. Since full listings of area locations, status, revised map etc. are provided for the 1st May and 1st November competition publications, these should be retained as a reference source for prospecting licence areas listed in the following interim competition. A complete up-to-date listing is also available on [www.mineralsireland.ie](http://www.mineralsireland.ie).

## Competition Areas

Currently there are no PL Areas in Competition.

# STATE MINING AND PROSPECTING FACILITIES

## State Mining Facilities

### • Mining Leases

<b>Ref:</b>	<b>Lessee</b>	<b>Issued</b>	<b>County</b>	<b>O.S. 6"</b>	<b>Valid To</b>
M 17	Joyces Marble Quarries	01.10.33	Galway	36	30.09.2032
M 23	Flemings Fireclays Manufacturing Ltd.	01.03.35	Laois	25,31	29.02.2032
M 30	Connemara Marble Products Ltd.	01.11.37	Galway	23	31.10.2034
M 37	Flemings Fireclays Manufacturing Ltd.	14.11.40	Laois	31	13.11.2039
M 79	Joyces Marble Quarries	01.12.57	Galway	36	30.11.2056
M 100	Roadstone Provinces Ltd.	01.01.69	Kilkenny	20,24	30.06.2009
M 116	Boliden Tara Mines Ltd.	01.09.75	Meath	25	31.08.2010
M 137	Ormonde Brick Ltd.	31.01.97	Kilkenny	6	30.01.2012
M 139	Irish Gypsum Ltd.	12.11.02	Monaghan Cavan	31,33,34 29, 35	11.11.2032
M 140	Vedanta Lisheen Mining Ltd., Killoran Lisheen Mining Ltd., & Lisheen Milling Ltd.	07.10.97	Tipperary	36	06.10.2027
M 143	Eurostone Ltd.	01.06.04	Cork	24	30.06.2009
M 144	Boliden Tara Mines Ltd.	01.07.06	Meath	25	30.06.2021

### • Mining Licences

<b>Ref:</b>	<b>Licensee</b>	<b>Issued</b>	<b>County</b>	<b>O.S. 6"</b>	<b>Valid To</b>
SML 1	Galmoy Mines Ltd.	03.02.95	Kilkenny	3,8	02.02.2016
SML 2	Boliden Tara Mines Ltd.	03.07.98	Meath	25	31.08.2010
SML 3	Boliden Tara Mines Ltd.	03.07.98	Meath	25	31.08.2010
SML 4	Boliden Tara Mines Ltd.	11.09.00	Meath	25	31.08.2010
SML 5	Boliden Tara Mines Ltd.	15.01.04	Meath	24, 25	31.08.2010
SML 6	Galmoy Mines Ltd.	29.08.02	Kilkenny	3,8	02.02.2016
SML 8	Galmoy Mines Ltd.	21.01.05	Kilkenny	3	02.02.2016
SML 9	Galmoy Mines Ltd.	25.08.05	Kilkenny	3	02.02.2016
SML 10	Galmoy Mines Ltd.	28.02.05	Kilkenny	3	02.02.2016
SML134	Ormonde Brick Ltd.	01.06.04	Kilkenny		31.05.2029

Further details concerning the individual State Mining Facilities (minerals, royalties, etc.) are provided in the six monthly reports to the Oireachtas by the Minister for Communications, Energy and Natural Resources, as required by the Minerals Development Acts, 1940-1999.

## 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). Highlighted licences are those that have been granted since 1<sup>st</sup> May 2011. The licensed minerals are abbreviated as follows: Base metals (Bm); Barytes (b); Gold (g); Silver (s); Platinum Group Elements (PGE), Rare Earth Elements (REEs).

PL	Licensee	Start	County	O.S.6"	Minerals
134	Teck Ireland Ltd.	25/01/2006	Galway	98,106	Bm, b, g, s, PGE
184	Teck Ireland Ltd.	20/02/2006	Longford	14,19	Bm, b, g, s, PGE
185	Lundin Mining Exploration Ltd.	17/04/2006	Longford	18,19,22,23	Bm, b, s, g
186	Lundin Mining Exploration Ltd.	31/05/2005	Longford	19,23	Bm, b, s
405	Midas Mineral Resources Ltd.	19/12/2007	Waterford	16,24,25,32	Bm, b, s, g
449	Limerick Zinc Ltd.	31/01/2005	Limerick	22,23,31,32,40	Bm, b, s
450	Limerick Zinc Ltd.	31/01/2005	Limerick	23,24,32,33	Bm, b, s
582	Lundin Mining Exploration Ltd.	19/06/1991	Longford	22,23,26	Bm, b, s
622	Teck Ireland Ltd.	20/02/2006	Longford	19,20,23,24	Bm, b, s, g, PGE
626	Boliden Tara Mines Ltd.	30/03/2007	Tipperary	4,5,7,8	Bm, b, s, g
627	Boliden Tara Mines Ltd.	30/03/2007	Tipperary	7,8,10,11	Bm, b, s, g
635	Xstrata Zinc Ireland Ltd.	06/12/1996	Limerick	13,14,22	Bm, b, s
636	Xstrata Zinc Ireland Ltd.	06/12/1996	Limerick	6,13,14	Bm, b, s
643	Teck Ireland Ltd.	25/01/2006	Galway	106	Bm, b, s, g, PGE
666	Teck Ireland Ltd.	15/12/2005	Longford	9,14,15,19,20	Bm, b, s, g, PGE
667	Teck Ireland Ltd.	20/02/2006	Longford	14,15,19,20	Bm, b, s, g, PGE
735	Midas Mineral Resources Ltd.	19/12/2007	Waterford	8,15,16	Bm, b, s, g
754	Lundin Mining Exploration Ltd.	20/02/1987	Laois	27,28,33,34	Bm, b, s, g
786	Teck Ireland Ltd.	19/10/2009	Limerick	20,30	Bm, b, s, g, PGE
930	Gary R Brown	25/09/2006	Galway	49,50,62,63	Bm, s
934	Gary R Brown	21/12/2005	Galway	63,64,76,77	Bm, s
1043	Teck Ireland Ltd.	20/02/2009	Westmeath	15,16,22,23	Bm, b, s, g, PGE
1051	Connemara Mining Co. Ltd.	28/01/2005	Cavan	37,38,41,42	Bm, b, s, g, PGE
1053	Connemara Mining Co. Ltd.	28/01/2005	Meath	8,9,9A,15	Bm, b, s, g, PGE
1102	Boliden Tara Mines Ltd.	15/11/2006	Galway	18,19,31,32,46	Bm, b, s, g
1113	Emerald Zinc Ltd.	16/03/2010	Offaly	7,8,15,16	Bm, b, g, s
1140	Anú	12/05/2010	Cavan	15,20	Bm, b, s, g, PGE
1142	Metallum Exploration Ltd.	08/06/2009	Cavan	11,12,15,16	Bm, b, s, g, PGE
1178	Teck Ireland Ltd.	08/08/2006	Offaly	4,4A	Bm, b, s, g, PGE
1181	Teck Ireland Ltd.	26/06/2006	Westmeath	20,21,27,28	Bm, b, s, g, PGE
1191	Boliden Tara Mines Ltd.	10/03/2000	Wexford	19,25,26,31,32	Bm, b, s, g
1194	Boliden Tara Mines Ltd.	10/03/2000	Wexford	20,26	Bm, b, s, g
1197	Boliden Tara Mines Ltd.	10/03/2000	Wexford	15,16,20,21	Bm, b, s, g
1198	Boliden Tara Mines Ltd.	10/03/2000	Wexford	10,11,15,16	Bm, b, s, g
1199	Boliden Tara Mines Ltd.	10/03/2000	Wexford	11,16	Bm, b, s, g
1200	Boliden Tara Mines Ltd.	10/03/2000	Wexford	6,7,11,12,16,17	Bm, b, s, g
1244	Exploration & Discovery Ltd.	23/07/2007	Westmeath	24,25,31,32	Bm, b, s
1302	Lundin Mining Exploration Ltd.	07/08/2009	Limerick	29,37	Bm, b, s

PL	Licensee	Start	County	O.S.6"	Minerals
1303	Limerick Zinc Ltd.	15/04/2005	Limerick	36,37,44,45	Bm, b, s, g, PGE
1322	Boliden Tara Mines Ltd.	16/12/2005	Meath	29,35	Bm, b, s, g
1323	Boliden Tara Mines Ltd.	16/12/2005	Meath	29,35,36	Bm, b, s, g
1324	Boliden Tara Mines Ltd.	16/11/1995	Meath	24,30,36	Bm, b, s
1325	Boliden Tara Mines Ltd.	16/12/2005	Meath	36,37	Bm, b, s, g
1327	Boliden Tara Mines Ltd.	20/04/2011	Meath	25,26,31,32	Bm, b, s, g
1339	Boliden Tara Mines Ltd.	16/12/2005	Meath	35,36,41,42	Bm, b, s, g
1341	Boliden Tara Mines Ltd.	25/01/2007	Offaly	9,10,17,18	Bm, b, s, g
1343	Boliden Tara Mines Ltd.	15/11/2006	Offaly	17,18	Bm, b, s, g
1344	Teck Ireland Ltd.	30/11/2005	Westmeath	2,5,6,11	Bm, b, s, g, PGE
1345	Teck Ireland Ltd.	30/11/2005	Westmeath	6,10,11,18	Bm, b, s, g, PGE
1346	Teck Ireland Ltd.	30/11/2005	Westmeath	6,11,18	Bm, b, s, g, PGE
1347	Teck Ireland Ltd.	30/11/2005	Westmeath	6,7,11,12	Bm, b, s, g, PGE
1351	Teck Ireland Ltd.	30/11/2005	Westmeath	12,13	Bm, b, s, g, PGE
1352	Teck Ireland Ltd.	30/11/2005	Westmeath	12,13,19,20	Bm, b, s, g, PGE
1356	Conroy Gold and Natural Resources Plc	23/01/1998	Monaghan	15,20	Bm, b, s, g, Antimony
1357	Conroy Gold and Natural Resources Plc	23/01/1998	Monaghan	15,20	Bm, b, s, g, Antimony
1373	Midas Mineral Resources Ltd.	19/12/2007	Galway	15,28,42	Bm, b, s, g
1380R	Boliden Tara Mines Ltd.	31/12/1970	Meath	24,25,30,31	Bm, b, s, g
1383	Teck Ireland Ltd.	20/02/2006	Westmeath	2,6	Bm, b, s, g, PGE
1385	Teck Ireland Ltd.	20/02/2006	Westmeath	2,3,6,7,12	Bm, b, s, g, PGE
1387	Exploration & Discovery Ltd.	08/08/2007	Westmeath	1,3,4	Bm, b, s
1388	Exploration & Discovery Ltd.	29/09/2008	Westmeath	1,1A	Bm, b, s, g
1406	Teck Ireland Ltd.	31/01/2006	Westmeath	19,20,26,27	Bm, b, s, g, PGE
1440R	Westland Exploration Ltd.	23/10/1972	Meath	17,18,24,25	Bm, b, s
1450	Boliden Tara Mines Ltd.	20/04/2011	Meath/Dublin	32,38,39,44,45/3,6	Bm, b, s, g
1476	TNR Gold Corp.	07/08/2009	Carlow	14,17,18,20,21	Bm, s, g, Caesium, Lithium, Beryllium, Niobium, Tantalum, Zirconium
1489R	Boliden Tara Mines Ltd.	26/10/1970	Meath	18,25,26,31	Bm, b, s, g
1496	Rennicks & Bennett Ltd.	16/08/1971	Meath	17,18,24,25	Bm, b, s
1500	BHP World Exploration Inc	14/12/1995	Meath	41,42,47,48	Bm, b, s, g, Iron
1555	Hibernian Resources Ltd.	26/01/2010	Waterford	20,28	Bm, b, g, s
1556	Hibernian Resources Ltd.	26/01/2010	Waterford	20, 21, 28, 29	Bm, b, g, s
1562	Oriel Selection Trust Ltd.	31/01/2011	Mayo	51,52,63,64	Bm, b, s, g
1577	Connemara Mining Co. Ltd.	07/07/2008	Tipperary	41,47,48,53,54	Bm, b, s, g, PGE, Iron
1578	Connemara Mining Co. Ltd.	07/07/2008	Tipperary	41,42,47,48	Bm, b, s, g, PGE, Iron
1583	Boliden Tara Mines Ltd.	01/05/1991	Limerick	11,12,20,21,29,30	Bm, b, s, g
1584	Lundin Mining Exploration Ltd.	07/08/2009	Limerick	20,29,30,37,38	Bm, b, s
1587	Teck Ireland Ltd.	21/09/2010	Longford	10,11,15,16	Bm, b, s, g, PGE
1588	Teck Ireland Ltd.	21/09/2010	Longford	9,10,14,15	Bm, b, s, g, PGE
1630	Exploration & Discovery Ltd.	25/02/2008	Kildare	8, 9,12	Bm, b, s, g
1631	Exploration & Discovery Ltd.	25/02/2008	Kildare	8, 9,10,12,13	Bm, b, s, g
1641	Midas Mineral Resources Ltd.	29/09/2008	Laois	5,8,9,13,14	Bm, b, s, g
1646	Exploration & Discovery Ltd.	25/02/2008	Laois	15,16,17,21,22,23	Bm, b, s

PL	Licensee	Start	County	O.S.6"	Minerals
1650	Exploration & Discovery Ltd.	25/02/2008	Laois	22,23,29	Bm, b, s
1652	Exploration & Discovery Ltd.	23/11/2009	Laois	22, 23, 28, 29	Bm, b, s
1653	Westland Exploration Ltd.	22/02/1983	Laois	22,28,34	Bm, b, s
1661R	Boliden Tara Mines Ltd.	31/12/1971	Meath	25	Bm, b, s, g
1667	Exploration & Discovery Ltd.	26/08/2008	Roscommon	24,30	Bm, b, s, g
1670	Lundin Mining Exploration Ltd.	08/12/2008	Leitrim	24,25,28,29,32,33	Bm, b, s
1675	Lundin Mining Exploration Ltd.	07/08/2009	Leitrim	29,33,36	Bm, b, s
1680	Boliden Tara Mines Ltd.	27/11/2006	Roscommon	25,31,31A,32	Bm, b, s, g
1696	Metallum Exploration Ltd.	08/06/2009	Cavan	11,15	Bm, b, s, g, PGE
1801	Exploration & Discovery Ltd.	26/08/2008	Longford	12,13,17,18,21	Bm, b, s, g
1802	Exploration & Discovery Ltd.	26/08/2008	Longford	17,18,21,22	Bm, b, s, g
1803	Exploration & Discovery Ltd.	26/08/2008	Longford	21,22,23,25	Bm, b, s, g
1814	Unicorn Mineral Resources Ltd.	08/09/2010	Kilkenny	39, 40, 42,43,46	Bm, b, s, g, PGE
1815	Unicorn Mineral Resources Ltd.	08/09/2010	Kilkenny	40,43	Bm, b, s, g, PGE
1870	Conroy Gold and Natural Resources Plc	10/04/1997	Monaghan	14,15,19,20	Bm, b, s, g
1913	Midas Mineral Resources Ltd.	19/12/2007	Kilkenny	43,44,46,48	Bm, b, s, g
1940	Limerick Zinc Ltd.	15/04/2005	Cork	1,2,3	Bm, b, s, g, PGE
1942	Limerick Zinc Ltd.	15/04/2005	Limerick	29,37	Bm, b, s, g, PGE
1943	Limerick Zinc Ltd.	15/04/2005	Limerick	37,38,45	Bm, b, s, g, PGE
1946	Limerick Zinc Ltd.	15/04/2005	Limerick	37,38,45,46	Bm, b, s, g, PGE
1947	Limerick Zinc Ltd.	15/04/2005	Limerick	38,39,46,47	Bm, b, s, g, PGE
1949	Boliden Tara Mines Ltd.	27/05/1987	Limerick	39,40,47,48,55	Bm, b, s, g
1951	Unicorn Mineral Resources Ltd.	06/07/2011	Clare	17,18,25,26	Bm, b, g, s, PGE, Fluorite
1952	Unicorn Mineral Resources Ltd.	06/07/2011	Clare	11,17,18,26	Bm, b, g, s, PGE, Fluorite
1966	Hibernian Resources Ltd.	26/01/2010	Waterford	21,29	Bm, b, g, s
1967	Hibernian Resources Ltd.	26/01/2010	Waterford	21,22,29,30	Bm, b, g, s
1982	Exploration & Discovery Ltd.	12/03/2011	Galway	113,122	Bm, b, s
1991	Connemara Mining Co. Ltd.	28/01/2005	Meath	8,9,14,15	Bm, b, s, g, PGE
2029	Connemara Mining Co. Ltd.	31/01/2005	Kerry	46,47,57	Bm, b, s, g, PGE
2062	Teck Ireland Ltd.	26/06/2006	Kildare/Offaly	2,3,7/4,11,12	Bm, b, s, g, PGE
2069	Teck Ireland Ltd.	22/03/2011	Tipperary	35,41	Bm, b, s, g, PGE
2096	Teck Ireland Ltd.	25/01/2006	Galway	85,86,97,98	Bm, b, s, g, PGE
2097	Teck Ireland Ltd.	25/01/2006	Galway	96,97,105	Bm, b, s, g, PGE
2098	Teck Ireland Ltd.	15/06/2009	Galway	96,97	Bm, b, s
2099	Teck Ireland Ltd.	15/06/2009	Galway	96,97,104,105	Bm, b, s
2103	IMC Exploration Limited	14/05/2011	Roscommon	50,51,53,54,56	Bm, b, s
2115	Oriel Selection Trust Ltd.	22/02/2010	Donegal	26,35,36,44	Bm, b, s, g, PGE, REEs
2139	Conroy Gold and Natural Resources Plc	20/04/2009	Cavan	17,18,22,23	Bm, b, s, g, Gem minerals
2194	Conroy Gold and Natural Resources Plc	15/07/1996	Monaghan	10,14	Bm, b, s, g
2217	Exploration & Discovery Ltd.	25/02/2008	Laois	11,12,16 ,17	Bm, b, s
2219	Midas Mineral Resources Ltd.	29/09/2008	Laois	9,13,14,18,19	Bm, b, s, g
2239	IMC Exploration Limited	12/05/2011	Wicklow	40,45	Bm, b, s, g
2280	Hibernian Resources Ltd.	26/01/2010	Cork	36,45	Bm, b, s, g

<b>PL</b>	<b>Licensee</b>	<b>Start</b>	<b>County</b>	<b>O.S.6"</b>	<b>Minerals</b>
2416	Metallum Exploration Ltd.	08/06/2009	Monaghan	11,12,16,17,21	Bm, b, s, g, PGE
2447	Teck Ireland Ltd.	29/12/2009	Tipperary	29,35,36,41	Bm, b, s, g, PGE
2512	Midas Mineral Resources Ltd.	29/09/2008	Laois	14,18,19	Bm, b, s, g
2520	Boliden Tara Mines Ltd.	15/11/2006	Galway	32,33,46,47	Bm, b, s, g
2522	Boliden Tara Mines Ltd.	15/11/2006	Laois/Offaly	1/18,25,26	Bm, b, s, g
2529	Xstrata Zinc Ireland Ltd.	06/12/1996	Limerick	14,15,23,24	Bm, b, s
2530	Xstrata Zinc Ireland Ltd.	13/11/1995	Limerick	15,23,24	Bm, b, s
2531	Limerick Zinc Ltd.	28/04/2006	Limerick	23,24,32	Bm, b, s, g, PGE
2537	Boliden Tara Mines Ltd.	15/11/2006	Offaly	11,19	Bm, b, s, g
2538	Boliden Tara Mines Ltd.	15/11/2006	Offaly	11,12,19,20	Bm, b, s, g
2539	Teck Ireland Ltd.	08/08/2006	Offaly	4,11	Bm, b, s, g, PGE
2540	Teck Ireland Ltd.	08/08/2006	Meath	46,47,52	Bm, b, s, g, PGE
2545	Oriel Selection Trust Ltd.	22/02/2010	Donegal	58,59,66,67	Bm, b, s, g, PGE, REEs
2546	Oriel Selection Trust Ltd.	22/02/2010	Donegal	50,58,59,66,67	Bm, b, s, g, PGE, REEs
2551	IMC Exploration Limited	12/05/2011	Wexford	5,6,11	Bm, b, s, g
2553	Connemara Mining Co. Ltd.	16/04/2008	Wexford	9,10,14,15	Bm, b, s, g, PGE, Caesium & Lithium
2554	Connemara Mining Co. Ltd.	16/04/2008	Wexford	4,5,9,10	Bm, b, s, g, PGE, Caesium & Lithium
2555	Connemara Mining Co. Ltd.	16/04/2008	Wexford	9,14,15,19,20	Bm, b, s, g, PGE, Caesium & Lithium
2558	Connemara Mining Co. Ltd.	16/04/2008	Wicklow	46,47	Bm, b, s, g, PGE, Caesium & Lithium
2560	Boliden Tara Mines Ltd.	15/11/2006	Offaly	29,29A,30,35	Bm, b, s, g
2563	Unicorn Mineral Resources Ltd.	04/07/2011	Offaly	22,23,30,31	Bm, b, g, s, PGE, Fluorite
2564	Teck Ireland Ltd.	12/06/2008	Tipperary	6,7,9,10	Bm, b, s, g, PGE
2567	Teck Ireland Ltd.	31/08/2006	Tipperary	1,2,4,5	Bm, b, s, g, PGE
2568	Boliden Tara Mines Ltd.	15/11/2006	Tipperary	2,5,8	Bm, b, s, g
2579	Lundin Mining Exploration Ltd.	17/04/2006	Limerick	11,20	Bm, b, s, g
2594	Limerick Zinc Ltd.	13/04/2005	Limerick	44,45,53	Bm, b, s, g, PGE
2610	Midas Mineral Resources Ltd.	19/12/2007	Mayo	118,120,121,123	Bm, b, s, g
2613	Boliden Tara Mines Ltd.	11/05/2007	Roscommon	23,29,36	Bm, b, s, g
2625	Exploration & Discovery Ltd.	25/02/2008	Laois	16,17, 22,23,28	Bm, b, s
2637	Exploration & Discovery Ltd.	26/08/2008	Cork	7,8,16,17	Bm, b, s, g
2638	Limerick Zinc Ltd.	31/01/2005	Limerick	13,14,22,23,31	Bm, b, s
2664	Exploration & Discovery Ltd.	26/08/2008	Longford	4,8	Bm, b, s, g
2674	Boliden Tara Mines Ltd.	25/01/2007	Westmeath	32,33,38,39	Bm, b, s, g
2677	Metallum Exploration Ltd.	16/02/2009	Monaghan	5,6,8,9,12	Bm, b, s, g, PGE
2678	Metallum Exploration Ltd.	16/02/2009	Monaghan	3,6,9	Bm, b, s, g, PGE
2679	Metallum Exploration Ltd.	16/02/2009	Monaghan	3,4,6,7,10	Bm, b, s, g, PGE
2680	Metallum Exploration Ltd.	16/02/2009	Monaghan	8,9,12,13	Bm, b, s, g, PGE
2681	Metallum Exploration Ltd.	16/02/2009	Monaghan	8,9,13	Bm, b, s, g, PGE
2682	Metallum Exploration Ltd.	16/02/2009	Monaghan	6,7,9,10	Bm, b, s, g, PGE
2683	Conroy Gold and Natural Resources Plc	15/07/1996	Monaghan	9,10,13,14	Bm, b, s, g
2696	Lundin Mining Exploration Ltd.	28/02/2006	Limerick	4,12	Bm, b, s, g
2698	Exploration & Discovery Ltd.	26/08/2008	Longford	8,12,13,17,18	Bm, b, s, g
2700	Boliden Tara Mines Ltd.	15/11/2006	Galway	20,33,47	Bm, b, s, g

PL	Licensee	Start	County	O.S.6"	Minerals
2702	Boliden Tara Mines Ltd.	15/11/2006	Offaly	17,18,25,26	Bm, b, s, g
2724	Midas Mineral Resources Ltd.	19/12/2007	Galway	54,67,68,80	Bm, b, s, g
2748	Boliden Tara Mines Ltd.	15/11/2006	Laois	1,1A,3,4,8	Bm, b, s, g
2752	Midas Mineral Resources Ltd.	19/12/2007	Waterford	15,16,24,25	Bm, b, s, g
2754	Midas Mineral Resources Ltd.	19/12/2007	Waterford	14,15,24	Bm, b, s, g
2760	Teck Ireland Ltd.	25/01/2006	Galway	97,98,105,106	Bm, b, s, g, PGE
2774	Teck Ireland Ltd.	21/09/2010	Longford	10,15,16	Bm, b, s, g, PGE
2776	Lundin Mining Exploration Ltd.	08/12/2008	Leitrim	32,33,35,36	Bm, b, s
2780	Exploration & Discovery Ltd.	26/08/2008	Longford	8,9	Bm, b, s, g
2781	Boliden Tara Mines Ltd.	15/11/2006	Offaly	15,16,23,24	Bm, b, s, g
2782	Boliden Tara Mines Ltd.	15/11/2006	Offaly	16,17,24	Bm, b, s, g
2784	Exploration & Discovery Ltd.	26/08/2008	Roscommon	29,30,36,37,40	Bm, b, s, g
2786	Emerald Zinc Ltd.	16/03/2010	Offaly	1,2 ,8	Bm, b, s, g
2795	Oriel Selection Trust Ltd.	22/02/2010	Donegal	58,65,66,74,75	Bm, b, s, g, PGE, REEs
2803	Oriel Selection Trust Ltd.	20/04/2011	Donegal	85,86,94,95	Bm, b, s, g, PGE, REEs
2819	Mytilus Minerals Ltd.	22/06/2010	Donegal	64,65,74	Bm, b, s, g, Fluorite
2835	Lundin Mining Exploration Ltd.	28/02/2006	Limerick	4,11,12,20,21	Bm, b, s, g
2836	Boliden Tara Mines Ltd.	20/04/2011	Meath	32,37,38	Bm, b, s, g
2840	Teck Ireland Ltd.	07/07/2011	Limerick/Tipperary	24,25,32,33,33A/57	Bm, b, s, g, PGE
2845	Limerick Zinc Ltd.	15/04/2005	Limerick	28,36	Bm, b, s, g, PGE
2860	Unicorn Mineral Resources Ltd.	04/07/2011	Offaly	23,31,32,36	Bm, b, s, g, PGE, Fluorite
2861	Boliden Tara Mines Ltd.	15/11/2006	Offaly	23,24,31,32	Bm, b, s, g
2887	Boliden Tara Mines Ltd.	15/11/2006	Galway	45,46,59,60	Bm, b, s, g
2895	Lundin Mining Exploration Ltd.	14/06/2011	Clare	27,28,35,36	Bm, b, s
2897	Westcork Copper Mining Company Ltd.	25/02/2010	Cork	101,102,102A	Bm, b, s, g, PGE, REEs
2899	Westcork Copper Mining Company Ltd.	25/02/2010	Cork	114,127	Bm, b, s, g, PGE & REEs
2900	Westcork Copper Mining Company Ltd.	25/02/2010	Cork	114,115,127,128	Bm, b, s, g, PGE & REEs
2901	Westcork Copper Mining Company Ltd.	25/02/2010	Cork	102,115,116	Bm, b, s, g, PGE, REEs
2923	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Sligo	20,21,26,27	Bm, b, s, g
2927	Limerick Zinc Ltd.	31/01/2005	Limerick	13,22,31	Bm, b, s
2946	Midas Mineral Resources Ltd.	26/08/2008	Cork	132,140,141,149,150	Bm, b, s, g
2947	Midas Mineral Resources Ltd.	26/08/2008	Cork	141,149,150	Bm, b, s, g
2948	Midas Mineral Resources Ltd.	26/08/2008	Cork	141,142,150,151	Bm, b, s, g
2964	Grosvenor Exploration & Mining Services (Ireland) Ltd.	08/09/2010	Donegal	4,11,20,21	G, Diamonds, Gem minerals
2988	Anú	12/05/2010	Cavan	19,24,30	Bm, b, s, g, PGE
3007	Grosvenor Exploration & Mining Services (Ireland) Ltd.	08/09/2010	Donegal	5,12,13	G, Diamonds, Gem minerals
3008	Grosvenor Exploration & Mining Services (Ireland) Ltd.	08/09/2010	Donegal	12,13,22	G, Diamonds, Gem minerals
3028	Conroy Gold and Natural Resources Plc	15/07/1996	Monaghan	13,14,18,19	Bm, b, s, g
3059	Boliden Tara Mines Ltd.	30/03/2007	Roscommon	35,39	Bm, b, s, g

PL	Licensee	Start	County	O.S.6"	Minerals
3062	Grosvenor Exploration & Mining Services (Ireland) Ltd.	08/09/2010	Donegal	11,12,20,21,31	G, Diamonds, Gem minerals
3063	Midas Mineral Resources Ltd.	19/05/2009	Donegal	20,21,30,31	Bm, b, s, g
3072	Mytilus Minerals Ltd.	22/06/2010	Donegal	65,66,74,75	Bm, b, s, g, Fluorite
3094	Grosvenor Exploration & Mining Services (Ireland) Ltd.	08/09/2010	Donegal	12,13,21,22	G, Diamonds, Gem minerals
3095	Midas Mineral Resources Ltd.	24/09/2010	Donegal	30,39,39A	Bm, b, s, g
3105	Terra Energy Ltd.	19/01/2010	Kilkenny	1,2,6	Coal
3130	Conroy Gold and Natural Resources Plc	27/11/1996	Cavan	21,25,26	Bm, b, s, g
3144	Midas Mineral Resources Ltd.	19/12/2007	Galway	39,40,53	Bm, b, s, g
3152	Teck Ireland Ltd.	31/01/2006	Westmeath	13,14,20,21	Bm, b, s, g, PGE
3154	Westcork Copper Mining Company Ltd.	25/02/2010	Cork	101,102,114,115,127,128	Bm, b, s, g, PGE, REEs
3156	Connemara Mining Co. Ltd.	29/09/2008	Tipperary	20,21,26,27	Bm, b, s, g, PGE
3158	Exploration & Discovery Ltd.	25/02/2008	Laois	17,18,23,24	Bm, b, s
3160	Exploration & Discovery Ltd.	25/02/2008	Laois	16,17,23	Bm, b, s
3163	Teck Ireland Ltd.	26/03/2007	Roscommon	51,52,54,55,56	Bm, b, s, g, PGE
3166	Midas Mineral Resources Ltd.	19/12/2007	Galway	39,40,53	Bm, b, s, g
3169	Irish Resource Exploration Ltd.	04/07/2011	Galway	25,26	G, s
3194	Midas Mineral Resources Ltd.	19/12/2007	Waterford	7,8,15,16	Bm, b, s, g
3195	Midas Mineral Resources Ltd.	19/12/2007	Kilkenny/Waterford	42,43,45,46/4,8	Bm, b, s, g
3205	Midas Mineral Resources Ltd.	19/12/2007	Waterford	9,16,17	Bm, b, s, g
3206	Midas Mineral Resources Ltd.	19/12/2007	Waterford	16,17,26	Bm, b, s, g
3207	Midas Mineral Resources Ltd.	19/12/2007	Waterford	16,17, 25,26	Bm, b, s, g
3208	Midas Mineral Resources Ltd.	19/12/2007	Waterford	17,26	Bm, b, s, g
3209	Metallum Exploration Ltd.	16/02/2009	Monaghan	2,3,5,6,8	Bm, b, s, g, PGE
3232	Teck Ireland Ltd.	16/11/2006	Westmeath	19,26,27	Bm, b, s, g, PGE
3237	Kenmare Resources Plc	29/09/2008	Wexford	46,47,51	Bm, b
3249	Boliden Tara Mines Ltd.	27/05/1987	Limerick	39,40,47,48,55,56	Bm, b, s, g
3251	Midas Mineral Resources Ltd.	19/12/2007	Galway	53,54,66,67	Bm, b, s, g
3263	Exploration & Discovery Ltd.	25/02/2008	Laois	18,23,24,29,30	Bm, b, s
3266	Boliden Tara Mines Ltd.	15/11/2006	Offaly	24,25	Bm, b, s, g
3268	Xstrata Zinc Ireland Ltd.	08/11/1991	Limerick	15,16,24,25	Bm, b, s
3273	Unicorn Mineral Resources Ltd.	04/07/2011	Offaly	22,30,31,35	Bm, b, s, g, PGE, Fluorite
3293	Exploration & Discovery Ltd.	26/08/2008	Limerick/Cork	47,55,56/3,8	Bm, b, s, g
3295	Exploration & Discovery Ltd.	26/08/2008	Cork	17,18,26	Bm, b, s, g
3312	Lundin Mining Exploration Ltd.	04/08/1987	Laois	29,34,35	Bm, b, s
3318	Teck Ireland Ltd.	22/03/2011	Tipperary	40,41,46,47	Bm, b, s, g, PGE
3321	Connemara Mining Co. Ltd.	07/07/2008	Tipperary	42,48	Bm, b, s, g, PGE, Iron
3323	Midas Mineral Resources Ltd.	19/12/2007	Waterford	6,7,14,15	Bm, b, s, g
3324	Boliden Tara Mines Ltd.	16/12/2005	Westmeath	13,14,21	Bm, b, s, g
3338	Exploration & Discovery Ltd.	26/08/2008	Cork	7,8,9,17,18	Bm, b, s, g
3342	Xstrata Zinc Ireland Ltd.	21/05/1999	Limerick	15,16,24	Bm, b, s
3344	Xstrata Zinc Ireland Ltd.	25/05/1999	Limerick	6,14,15	Bm, b, s
3346	Boliden Tara Mines Ltd.	16/12/2005	Meath	23,24,29,30,35,36	Bm, b, s, g
3353	Terra Energy Ltd.	19/01/2010	Kilkenny	1,5	Coal
3365	Exploration & Discovery Ltd.	26/08/2008	Cork	7,16,17	Bm, b, s, g

PL	Licensee	Start	County	O.S.6"	Minerals
3366	Lundin Mining Exploration Ltd.	07/08/2009	Limerick	30,31,38	Bm, b, s
3367	Limerick Zinc Ltd.	31/01/2005	Limerick	22,30,31,38,39	Bm, b, s
3368	Boliden Tara Mines Ltd.	27/04/1988	Limerick	21,22,30,31	Bm, b, s, g
3369	Teck Ireland Ltd.	22/09/2010	Limerick	21,30,31	Bm, b, s, g, PGE
3372	Mytilus Minerals Ltd.	22/06/2010	Donegal	57,65	Bm, b, s, g, Fluorite
3373	Boliden Tara Mines Ltd.	01/03/1993	Meath	11,16,17,23,24	Bm, b, s
3374	Teck Ireland Ltd.	08/08/2006	Kildare	1,2,3	Bm, b, s, g, PGE
3380	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Sligo	19,25,32	Bm, b, s, g
3381	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Sligo	24,25,31,32	Bm, b, s, g
3382	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Sligo	24,31,32,37	Bm, b, s, g
3383	Anú	12/05/2010	Sligo	30,31,36,37	Bm, b, s, g, PGE
3384	Anú	12/05/2010	Sligo	30,36,37	Bm, b, s, g, PGE
3385	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Sligo	23,24,30,31	Bm, b, s, g
3389	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Mayo	30,31A,32,40,40A	Bm, b, s, g
3390	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Mayo	31,40,49	Bm, b, s, g
3391	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Mayo	39,40,48,49	Bm, b, s, g
3392	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Mayo	48,49,60 61,70	Bm, b, s, g
3393	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Mayo	40,48,49,50,61	Bm, b, s, g
3394	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Mayo	49,50,61,62	Bm, b, s, g
3395	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Mayo	49,60,61,70,71	Bm, b, s, g
3396	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Sligo	19,20,2,26	Bm, b, s, g
3400	Conroy Gold and Natural Resources Plc	27/11/1996	Cavan	25,26,31,32	Bm, b, s, g
3405	Teck Ireland Ltd.	20/02/2009	Westmeath	16,23	Bm, b, s, g, PGE
3407	TNR Gold Corp.	07/08/2009	Carlow	19,20,21,22,23	Bm, s, g, Caesium, Lithium, Beryllium, Niobium, Tantalum, Rubidium, REEs
3411	TNR Gold Corp.	07/08/2009	Carlow	22,23,24,25	Bm, s, g, Caesium, Lithium, Beryllium, Niobium, Tantalum, Rubidium, REEs
3423	Midas Mineral Resources Ltd.	19/12/2007	Mayo	121,122,122A,123	Bm, b, s, g
3424	Midas Mineral Resources Ltd.	19/12/2007	Mayo	119,121,122,122A	Bm, b, s, g
3425	Connemara Mining Co. Ltd.	29/09/2008	Tipperary	14,20	Bm, b, s, g, PGE
3426	IMC Exploration Limited	12/05/2011	Tipperary	6,9,10	Bm, b, s
3427	Midas Mineral Resources Ltd.	29/09/2008	Kildare	21,26,27,30,31	Bm, b, s, g
3429	Boliden Tara Mines Ltd.	15/11/2006	Galway	19,32,33,46	Bm, b, s, g
3431	Xstrata Zinc Ireland Ltd.	30/05/2005	Limerick	1,6,14	Bm, b, s, PGE
3432	Boliden Tara Mines Ltd.	15/11/2006	Offaly	24,25,25A,32	Bm, b, s, g
3435	Westcork Copper Mining Company Ltd.	25/02/2010	Cork	114,114A,127	Bm, b, s, g, PGE, REEs

PL	Licensee	Start	County	O.S.6"	Minerals
3436	Boliden Tara Mines Ltd.	11/05/2007	Roscommon	35,36,39,40	Bm, b, s, g
3460	IMC Exploration Limited	14/05/2011	Roscommon	51,52,54,55,56	Bm, b, s
3466	Boliden Tara Mines Ltd.	10/03/2000	Wexford	30,31,35,36	Bm, b, s, g
3467	Midas Mineral Resources Ltd.	07/04/2009	Mayo	120,120B,121,123	Bm, b, s, g
3470	Boliden Tara Mines Ltd.	27/11/2006	Galway	4,5,16,17	Bm, b, s, g
3471	Boliden Tara Mines Ltd.	27/11/2006	Galway	1,5,6,17,18	Bm, b, s, g
3474	Teck Ireland Ltd.	24/02/2006	Roscommon	48,50,51,53,54	Bm, b, s, g, PGE
3476	Teck Ireland Ltd.	31/01/2006	Tipperary	3,4,6,7	Bm, b, s, g, PGE
3477	Teck Ireland Ltd.	31/01/2006	Tipperary	1,3,4	Bm, b, s, g, PGE
3479	Unicorn Mineral Resources Ltd.	06/07/2011	Galway	122,128,129,133	Bm, b, s, g, PGE, Fluorite
3488	Boliden Tara Mines Ltd.	02/05/1988	Limerick	11,19,20,28,29	Bm, b, s, g
3489	Boliden Tara Mines Ltd.	02/05/1988	Limerick	11,20,29	Bm, b, s, g
3496	Grosvenor Exploration & Mining Services (Ireland) Ltd.	08/09/2010	Donegal	4,5,11,12	G, Diamonds, Gem minerals
3505	Midas Mineral Resources Ltd.	19/12/2007	Galway	55,67,68	Bm, b, s, g
3506	Midas Mineral Resources Ltd.	19/12/2007	Galway	54,55,67,68	Bm, b, s, g
3508	Belmore Resources Ltd.	16/11/1998	Clare	43,51,52	Bm, b, s, Calcite, Fluorite
3518	Midas Mineral Resources Ltd.	19/12/2007	Waterford	15,24,32	Bm, b, s, g
3527	Exploration & Discovery Ltd.	23/07/2007	Longford	23,24,27	Bm, b, s
3528	Exploration & Discovery Ltd.	23/07/2007	Westmeath	10,17	Bm, b, s
3529	Exploration & Discovery Ltd.	23/07/2007	Westmeath	10,11,17,18	Bm, b, s
3530	Exploration & Discovery Ltd.	23/07/2007	Westmeath	17,18,24,25	Bm, b, s
3531	Exploration & Discovery Ltd.	23/07/2007	Westmeath	16,17,23,24	Bm, b, s
3535	Exploration & Discovery Ltd.	09/07/2007	Cork	16,24	Bm, b, s, g
3536	Exploration & Discovery Ltd.	09/07/2007	Cork	16,17,24,25	Bm, b, s, g
3537	Exploration & Discovery Ltd.	09/07/2007	Cork	16,17,24,25	Bm, b, s, g
3538	Exploration & Discovery Ltd.	09/07/2007	Cork	16,17,24	Bm, b, s, g
3544	Lundin Mining Exploration Ltd.	17/04/2006	Limerick	9,10,18,19	Bm, b, s, g
3545	Boliden Tara Mines Ltd.	17/11/2009	Limerick	114,114A,127	Bm, b, s, g
3549	Boliden Tara Mines Ltd.	15/11/2006	Kildare	3,7,8,12	Bm, b, s, g
3550	IMC Exploration Limited	31/05/2011	Clare	53,54,63,63A	Bm, b, s
3561	Boliden Tara Mines Ltd.	11/05/2007	Roscommon	29,36	Bm, b, s, g
3569	Teck Ireland Ltd.	22/03/2011	Tipperary	41,47	Bm, b, s, g, PGE
3570	Midas Mineral Resources Ltd.	19/12/2007	Waterford	17,18,26,27	Bm, b, s, g
3571	Midas Mineral Resources Ltd.	19/12/2007	Waterford	10,18,27	Bm, b, s, g
3572	Conroy Gold and Natural Resources Plc	03/09/2007	Cavan	6,7,9	Bm, b, s, g, Gem minerals
3574	Midas Mineral Resources Ltd.	19/12/2007	Waterford	14,15,23,24,31,32	Bm, b, s, g
3575	Teck Ireland Ltd.	26/06/2006	Westmeath	20,26,27,34	Bm, b, s, g, PGE
3576	Teck Ireland Ltd.	26/06/2006	Westmeath	20,27,28,34	Bm, b, s, g, PGE
3582	Boliden Tara Mines Ltd.	29/07/2002	Limerick	40,41,48,49	Bm, b, s, g
3583	Exploration & Discovery Ltd.	23/07/2007	Westmeath	25,32	Bm, b, s
3588	Emerald Zinc Ltd.	16/03/2010	Westmeath	31,32,37,38	Bm, b, s, g
3589	Emerald Zinc Ltd.	16/03/2010	Westmeath	32, 38	Bm, b, s, g
3608	Lundin Mining Exploration Ltd.	17/04/2006	Limerick	10,11,19,20	Bm, b, s, g
3622	Boliden Tara Mines Ltd.	16/12/2005	Meath	30,31,36,37	Bm, b, s, g

PL	Licensee	Start	County	O.S.6"	Minerals
3623	Conroy Gold and Natural Resources Plc	20/04/2009	Cavan	17,18 22,23,27,28	Bm, b, s, g, Gem minerals
3624	Conroy Gold and Natural Resources Plc	20/04/2009	Cavan	21,22,26,27	Bm, b, s, g, Gem minerals
3625	Conroy Gold and Natural Resources Plc	20/04/2009	Cavan	22,26,27,28,32,33	Bm, b, s, g, Gem minerals
3634	Teck Ireland Ltd.	15/12/2005	Longford	9,14	Bm, b, s, g, PGE
3636	Teck Ireland Ltd.	08/08/2006	Meath	35,40,41,42,47	Bm, b, s, g, PGE
3637	Boliden Tara Mines Ltd.	27/11/2006	Galway/Roscommon	1,6/25,32,33	Bm, b, s, g
3638	Boliden Tara Mines Ltd.	16/12/2005	Westmeath	8,9,13,14	Bm, b, s, g
3640	Belmore Resource Holdings Ltd.	14/07/2008	Clare	34,42	Bm, b, s
3641	Belmore Resource Holdings Ltd.	14/07/2008	Clare	41,42,50,51	Bm, b, s
3642	Belmore Resources Plc	30/09/2005	Clare	42,51,61	Bm, b, s, g
3643	Belmore Resources Ltd.	25/05/1999	Clare	34,35,42,43,51,52	Bm, b, s
3644	IMC Exploration Limited	12/05/2011	Clare	50,51,60,61	Bm, b
3647	Xstrata Zinc Ireland Ltd.	08/11/1991	Tipperary/Limerick	50,51/24,25	Bm, b, s
3649	Midas Mineral Resources Ltd.	29/09/2008	Kildare	21,22,26,27	Bm, b, s, g
3650	Limerick Zinc Ltd.	15/04/2005	Limerick	35,36,43,44	Bm, b, s, g, PGE
3651	Limerick Zinc Ltd.	15/04/2005	Limerick	44,45,53,54	Bm, b, s, g, PGE
3652	Emerald Zinc Ltd.	16/03/2010	Offaly/Westmeath	2,8/37,38	Bm, b, s, g
3662	Midas Mineral Resources Ltd.	29/09/2008	Laois	13,18,19,24	Bm, b, s, g
3664	Exploration & Discovery Ltd.	07/10/2008	Dublin	3,4,6,7	Bm, b, s, g
3665	Exploration & Discovery Ltd.	07/10/2008	Dublin	6,7	Bm, b, s, g
3668	IMC Exploration Limited	31/05/2011	Tipperary/Offaly	14,15,16,20,21/44	Bm, b, s
3670	IMC Exploration Limited	12/05/2011	Tipperary	6,9	Bm, b, s
3674	Midas Mineral Resources Ltd.	29/09/2008	Laois	24,30	Bm, b, s, g
3675	Midas Mineral Resources Ltd.	29/09/2008	Laois	18,19,24,25	Bm, b, s, g
3677	IMC Exploration Limited	12/05/2011	Tipperary	9,14	Bm, b, s
3678	Connemara Mining Co. Ltd.	29/09/2008	Tipperary	9,10,14,15,20,21	Bm, b, s, g, PGE
3679	Clare Calcite Ltd.	27/10/1991	Clare	34,42	Calcite
3679	Belmore Resources Plc	19/12/2005	Clare	34,42	Bm, b, s, g
3682	Midas Mineral Resources Ltd.	19/12/2007	Galway	55,56,69	Bm, b, s, g
3685	Boliden Tara Mines Ltd.	11/05/2007	Roscommon	28,29,35,36	Bm, b, s, g
3692	Exploration & Discovery Ltd.	19/09/2007	Galway	114,122,123,129	Bm, b, s
3693	Unicorn Mineral Resources Ltd.	08/09/2010	Kilkenny	39,42,43	Bm, b, s, g, PGE
3694	Unicorn Mineral Resources Ltd.	08/09/2010	Kilkenny/Tipperary	38,39,42/85	Bm, b, s, g, PGE
3695	Unicorn Mineral Resources Ltd.	08/09/2010	Kilkenny	34,35,38,39	Bm, b, s, g, PGE
3705	Fractore Pty Ltd.	18/04/2007	Limerick/Tipperary	41,49,50/63,73,74	Bm, b, s
3706	Unicorn Mineral Resources Ltd.	08/09/2010	Tipperary	78,79,84,85	Bm, b, s, g, PGE
3713	Hibernian Resources Ltd.	26/01/2010	Waterford	22,30,35	Bm, b, s, g
3714	Hibernian Resources Ltd.	26/01/2010	Waterford	23,30,31,32	Bm, b, s, g
3715	Hibernian Resources Ltd.	26/01/2010	Waterford	30,31,35,36	Bm, b, s, g
3716	Hibernian Resources Ltd.	26/01/2010	Cork	35,44	Bm, b, s, g
3717	Hibernian Resources Ltd.	26/01/2010	Cork	35,36,44,45	Bm, b, s, g
3718	Hibernian Resources Ltd.	26/01/2010	Cork	36,37,45,46	Bm, b, s, g
3719	Hibernian Resources Ltd.	26/01/2010	Waterford	20,28,29	Bm, b, s, g

PL	Licensee	Start	County	O.S.6"	Minerals
3727	Teck Ireland Ltd.	12/06/2008	Tipperary	7,8,10,11	Bm, b, s, g, PGE
3729	IMC Exploration Limited	20/04/2011	Clare	19,20,27,28,35	Bm, b, s
3742	Boliden Tara Mines Ltd.	15/11/2006	Galway	32,45,46	Bm, b, s, g
3744	Boliden Tara Mines Ltd.	30/03/2007	Roscommon	34,38,38A,39	Bm, b, s, g
3751	Anú	12/05/2010	Roscommon	27,28,34,35	Bm, b, s, g, PGE
3752	Anú	12/05/2010	Roscommon	21,22,27, 28,34	Bm, b, s, g, PGE
3757	Boliden Tara Mines Ltd.	27/11/2006	Galway	6,7,18,19	Bm, b, s, g
3771	Oriel Selection Trust Ltd.	30/01/2011	Mayo	51,62,63,72,73	Bm, b, s, g
3772	Oriel Selection Trust Ltd.	30/01/2011	Mayo	62,71,72	Bm, b, s, g
3781	Boliden Tara Mines Ltd.	30/03/2007	Galway/ Roscommon	19,20,32,33/ 38,38A,39,41	Bm, b, s, g
3787	Belmore Resources Ltd.	08/06/1994	Clare	26,27,33,34,42	Bm, b, s
3788	Belmore Resources Ltd.	08/06/1994	Clare	19,26,27,34,35	Bm, b, s, Calcite, Fluorite
3789	Belmore Resources Ltd.	08/06/1994	Clare	35,43	Bm, b, s
3806	IMC Exploration Limited	31/05/2011	Clare	52,53,62,63	Bm, b, s
3813	Emerald Zinc Ltd.	16/03/2010	Offaly/Westmeath	1,2,7,8/36	Bm, b, s, g
3820	Midas Mineral Resources Ltd.	19/05/2009	Donegal	20,30,31	Bm, b, s, g
3822	Boliden Tara Mines Ltd.	10/03/2000	Wexford	25,30,31	Bm, b, s, g
3824	Aurum Mineral Resources Ltd.	27/05/2004	Limerick	31,32	Bm, b, s, g
3840	Teck Ireland Ltd.	25/01/2006	Galway	98,105,106	Bm, b, s, g, PGE
3846	Exploration & Discovery Ltd.	25/02/2008	Kildare	11,12,13,16,17	Bm, b, s, g
3848	Boliden Tara Mines Ltd.	30/03/2007	Roscommon	39,41,44	Bm, b, s, g
3849	Bayswater Ventures corp.	11/06/1998	Wicklow	30,31,35,36,40	Bm, b, s, g
3850	Bayswater Ventures Corp.	11/06/1998	Wicklow	30,35,40	Bm, b, s, g
3851	Boliden Tara Mines Ltd.	30/04/2001	Meath	17,23,24,30	Bm, b, s
3852	Boliden Tara Mines Ltd.	16/12/2005	Meath	23,24,29,35	Bm, b, s, g
3856	Grosvenor Exploration & Mining Services (Ireland) Ltd.	08/09/2010	Donegal	2,3,4,5	G, Diamonds, Gem minerals
3857	IMC Exploration Limited	12/05/2011	Wicklow/Wexford	34,35,39,40,44,45/1,2	Bm, b, s, g
3858	Boliden Tara Mines Ltd.	17/11/2009	Limerick	27,28,35,36,43	Bm, b, s, g
3863	Belmore Resources Ltd.	21/05/1997	Clare	18,19,26,34	Bm, b, s, Calcite, Fluorite
3864	TNR Gold Corp.	07/08/2009	Wicklow	38,42,43,47	Bm, s, g, Caesium, Lithium, Beryllium, Niobium, Tantalum, Rubidium, REEs
3867	Boliden Tara Mines Ltd.	15/11/2006	Galway	19,32	Bm, b, s, g
3868	Boliden Tara Mines Ltd.	15/11/2006	Offaly	17,24,25	Bm, b, s, g
3869	Conroy Gold and Natural Resources Plc	20/08/1998	Monaghan	18,19,23,24	Bm, b, s, g, Antimony
3878	Teck Ireland Ltd.	12/06/2008	Tipperary	10,11,15,16	Bm, b, s, g, PGE
3880	Midas Mineral Resources Ltd.	19/12/2007	Galway	53,66	Bm, b, s, g
3881	Midas Mineral Resources Ltd.	19/12/2007	Galway	38,39,52,53	Bm, b, s, g
3887	Oriel Selection Trust Ltd.	27/04/2005	Mayo	63,72,73	Bm, b, s, g
3888	Lundin Mining Exploration Ltd.	08/12/2008	Leitrim	28,29,32,33,35	Bm, b, s
3889	Lundin Mining Exploration Ltd.	08/12/2008	Leitrim	32,35,37	Bm, b, s
3890	Lundin Mining Exploration Ltd.	08/12/2008	Leitrim	35,36,37,38	Bm, b, s
3891	Dan Morrissey (Ireland) Ltd.	27/09/1999	Laois	37	Coal, Fireclay

PL	Licensee	Start	County	O.S.6"	Minerals
3893	TNR Gold Corp.	07/08/2009	Carlow	16,17,19,20,22	Bm, s, g, Caesium, Lithium, Beryllium, Niobium, Tantalum, Rubidium, REEs
3894	TNR Gold Corp.	07/08/2009	Carlow	19,22,23,24	Bm, s, g, Caesium, Lithium, Beryllium, Niobium, Tantalum, Rubidium, REEs
3902	Exploration & Discovery Ltd.	26/08/2008	Cork	17,25	Bm, b, s, g
3907	Teck Ireland Ltd.	12/06/2008	Offaly	38,41,42,44,45	Bm, b, s, g, PGE
3908	Xstrata Zinc Ireland Ltd.	17/07/2001	Limerick	5,6,13,14	Bm, b, s
3912R	Boliden Tara Mines Ltd.	19/04/2002	Meath	25	Bm, b, s
3921	Midas Mineral Resources Ltd.	24/09/2010	Donegal	19,20,29,30	Bm, b, s, g
3922	Midas Mineral Resources Ltd.	24/09/2010	Donegal	29,30,38,39,39A,47	Bm, b, s, g
3923	Boliden Tara Mines Ltd.	27/05/2004	Limerick	12,13,21,22	Bm, b, s, g
3925	Connemara Mining Co. Ltd.	28/01/2005	Meath	9,10,15	Bm, b, s, g, PGE
3926	Connemara Mining Co. Ltd.	28/01/2005	Meath	9,10,15,16	Bm, b, s, g, PGE
3929	Oriel Selection Trust Ltd.	27/04/2005	Mayo	72,73,81,82	Bm, b, s, g
3930	Oriel Selection Trust Ltd.	27/04/2005	Mayo	63,73,74,83	Bm, b, s, g
3931	Dan Morrissey (Ireland) Ltd.	27/04/2005	Carlow/Laois	6/36,37	Coal, Fireclay
3932	Boliden Tara Mines Ltd.	16/12/2005	Westmeath	8,13	Bm, b, s, g
3934	Teck Ireland Ltd.	24/02/2006	Roscommon	48,49,51,52	Bm, b, s, g, PGE
3935	Teck Ireland Ltd.	31/01/2006	Westmeath	13,19,20	Bm, b, s, g, PGE
3936	Teck Ireland Ltd.	20/02/2006	Westmeath	5,6,10,11	Bm, b, s, g, PGE
3937	Teck Ireland Ltd.	26/06/2006	Westmeath	26,27,33,34,39	Bm, b, s, g, PGE
3938	Teck Ireland Ltd.	26/06/2006	Meath	40,41,46,46A,47	Bm, b, s, g, PGE
3939	Teck Ireland Ltd.	26/06/2006	Meath	40,41,46,47	Bm, b, s, g, PGE
3940	Boliden Tara Mines Ltd.	25/01/2007	Offaly	9,10,18	Bm, b, s, g
3941	Boliden Tara Mines Ltd.	25/01/2007	Offaly	9,10,18,19	Bm, b, s, g
3942	Boliden Tara Mines Ltd.	15/11/2006	Offaly	10	Bm, b, s, g
3943	Boliden Tara Mines Ltd.	25/01/2007	Offaly	3,4,10,11	Bm, b, s, g
3944	Boliden Tara Mines Ltd.	25/01/2007	Westmeath	26,32,33,39	Bm, b, s, g
3945	Boliden Tara Mines Ltd.	25/01/2007	Westmeath	26,32,33,38,39	Bm, b, s, g
3946	Boliden Tara Mines Ltd.	25/01/2007	Offaly/Westmeath	3,10/33,39	Bm, b, s, g
3947	Boliden Tara Mines Ltd.	25/01/2007	Westmeath	38,40	Bm, b, s, g
3948	Boliden Tara Mines Ltd.	25/01/2007	Westmeath	38,40	Bm, b, s, g
3953	Connemara Mining Co. Ltd.	29/09/2008	Tipperary	20,26	Bm, b, s, g, PGE
3956	Boliden Tara Mines Ltd.	25/01/2007	Offaly/Westmeath	8,9,16,17/37,40	Bm, b, s, g
3958	V. P. Power Ltd.	09/08/2007	Offshore		Coal
3959	Midas Mineral Resources Ltd.	19/12/2007	Galway	39,40,53,54	Bm, b, s, g
3963	Exploration & Discovery Ltd.	19/09/2007	Galway	123,128,129,133,133A	Bm, b, s
3964	Midas Mineral Resources Ltd.	19/12/2007	Galway	41,42,55,56	Bm, b, s, g
3965	Midas Mineral Resources Ltd.	19/12/2007	Galway	28,42,56	Bm, b, s, g
3966	Midas Mineral Resources Ltd.	19/12/2007	Galway	42,43,56,57	Bm, b, s, g
3971	Oriel Selection Trust Ltd.	20/04/2011	Donegal	76,77,85,86	Bm, b, s, g, PGE, REEs
3978	Oriel Selection Trust Ltd.	20/04/2011	Donegal	75,76,84,85,94	Bm, b, s, g, PGE, REEs
3979	Oriel Selection Trust Ltd.	20/04/2011	Donegal	77,85,86,95	Bm, b, s, g, PGE, REEs

PL	Licensee	Start	County	O.S.6"	Minerals
3980	Boliden Tara Mines Ltd.	12/06/2008	Offaly	35,38,38A,41,42	Bm, b, s, g
3985	Exploration & Discovery Ltd.	12/06/2008	Westmeath	17,23,24,30,31	Bm, b, s
3986	Oriel Selection Trust Ltd.	22/02/2010	Donegal	51	Bm, b, s, g, PGE, REEs
3987	Oriel Selection Trust Ltd.	22/02/2010	Donegal	50,51,58,59	Bm, b, s, g, PGE, REEs
3989	Exploration & Discovery Ltd.	29/09/2008	Meath	26,32	Bm, b, s, g
3990	Boliden Tara Mines Ltd.	20/04/2011	Meath	31,32,37,38	Bm, b, s, g
3991	Exploration & Discovery Ltd.	07/10/2008	Meath	32,33,38,39	Bm, b, s, g
3992	Exploration & Discovery Ltd.	07/10/2008	Dublin	3,4,6	Bm, b, s, g
3994	Boliden Tara Mines Ltd.	17/11/2009	Limerick	27,28,36	Bm, b, s, g
3995	Boliden Tara Mines Ltd.	22/02/2010	Offaly	35,36,38,39	Bm, b, s, g
3996	Teck Ireland Ltd.	20/02/2009	Longford	22,23,26,27	Bm, b, s, g, PGE
3997	Metallum Exploration Ltd.	16/02/2009	Monaghan	1,2,3	Bm, b, s, g, PGE
3998	Metallum Exploration Ltd.	16/02/2009	Monaghan	1,3,4,6	Bm, b, s, g, PGE
3999	Metallum Exploration Ltd.	16/02/2009	Monaghan	2,3,5,6	Bm, b, s, g, PGE
4000	Metallum Exploration Ltd.	16/02/2009	Monaghan	5,6,8,9	Bm, b, s, g, PGE
4001	Metallum Exploration Ltd.	08/06/2009	Cavan	11,15	Bm, b, s, g, PGE
4002	Metallum Exploration Ltd.	08/06/2009	Monaghan	11,12,16,17	Bm, b, s, g, PGE
4003	Oriel Selection Trust Ltd.	22/02/2010	Donegal	44,51,52	Bm, b, s, g, PGE, REEs
4004	Oriel Selection Trust Ltd.	22/02/2010	Donegal	35,44	Bm, b, s, g, PGE, REEs
4005	Terra Energy Ltd	19/07/2011	Leitrim	11,12,13,16	Coal
4006	Terra Energy Ltd	19/07/2011	Cavan/Leitrim	3,5/12,16,18	Coal
4007	Terra Energy Ltd	19/07/2011	Leitrim	12,15,16,18	Coal
4008	Terra Energy Ltd	19/07/2011	Leitrim	15,16,17,18	Coal
4009	Terra Energy Ltd	19/07/2011	Leitrim	14,14A,15,17	Coal
4010	Terra Energy Ltd	19/07/2011	Sligo	28,35	Coal
4011	Terra Energy Ltd	19/07/2011	Leitrim/Roscommon	17,18,20,20A/2,2A	Coal
4012	Terra Energy Ltd	19/07/2011	Roscommon/Sligo	1,2,4/35	Coal
4013	Terra Energy Ltd	19/07/2011	Cavan/Leitrim	5,6/18,19	Coal
4014	Terra Energy Ltd	19/07/2011	Leitrim/Cavan	18,19,21/6,8	Coal
4015	Terra Energy Ltd	19/07/2011	Cavan/Leitrim	6,8/21,22	Coal
4016	Terra Energy Ltd	19/07/2011	Leitrim	18,19,20,21	Coal
4017	Terra Energy Ltd	19/07/2011	Leitrim	20,21,23,24	Coal
4018	Terra Energy Ltd.	19/01/2010	Laois	31,32,37	Coal
4019	Terra Energy Ltd.	19/01/2010	Kilkenny	5,6	Coal
4020	Terra Energy Ltd.	19/01/2010	Kilkenny	1,2,5,6	Coal
4021	Terra Energy Ltd.	19/01/2010	Laois	31,36	Coal
4022	Terra Energy Ltd.	19/01/2010	Laois	31	Coal
4023	Emerald Zinc Ltd.	16/03/2010	Offaly/Westmeath	1,2,7/30,31,36	Bm, b, s, g
4024	Terra Energy Ltd.	19/01/2010	Kilkenny/Tipperary	17/43,49	Coal
4025	Terra Energy Ltd.	19/01/2010	Tipperary	48,49,54,55	Coal
4026	Terra Energy Ltd.	19/01/2010	Tipperary	49,55	Coal
4027	Terra Energy Ltd.	19/01/2010	Tipperary	48,49	Coal
4028	Conroy Gold and Natural Resources Plc	20/04/2009	Cavan	26,27,32,33	Bm, b, s, g, Gem minerals
4029	Conroy Gold and Natural Resources Plc	20/04/2009	Cavan/Monaghan	18, 23/23,24,26,27	Bm, b, s, g, Gem minerals

PL	Licensee	Start	County	O.S.6"	Minerals
4030	Lundin Mining Exploration Ltd.	19/12/1986	Kilkenny	3,7,8,12	Bm, b, s, g
4031	TNR Gold Corp.	07/08/2009	Carlow	17,18,20,21	Bm, s, g, Caesium, Lithium, Beryllium, Niobium, Tantalum, Rubidium, REEs
4032	TNR Gold Corp.	07/08/2009	Wicklow	42,43,46,47	Bm, s, g, Caesium, Lithium, Beryllium, Niobium, Tantalum, Rubidium, REEs
4033	Sunrise Resources Plc	23/11/2009	Cork	117,118,119	Bm, b, s, g, PGE
4035	Teck Ireland Ltd.	29/12/2009	Tipperary	35,36,41,42	Bm, b, s, g, PGE
4036	Lundin Mining Exploration Ltd.	26/10/1981	Laois/Kilkenny	28,33,34/3,8	Bm, b, s, g
4037	Anú	12/05/2010	Sligo	25,31,32,37,38	Bm, b, s, g, PGE
4038	Bowpark Exploration (Ireland) Ltd.	10/9/2010	Sligo	12,13,18,19,24,25	Bm, b, s, g
4039	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Sligo	12,18,24	Bm, b, s, g
4040	Bowpark Exploration (Ireland) Ltd.	10/09/2010	Sligo	12,17,18,23,24	Bm, b, s, g
4041	Exploration & Discovery Ltd.	02/12/2010	Laois	23,29,30	Bm, b, s
4042	Exploration & Discovery Ltd.	02/12/2010	Laois	28,29,35	Bm, b, s
4045	Boliden Tara Mines Ltd.	06/02/2011	Offaly	30,31,35,36	Bm, b, s, g
4046	Exploration & Discovery Ltd.	15/01/2011	Galway	114,123	Bm, b, s
4048	Exploration & Discovery Ltd.	12/03/2011	Galway	114,115,122,123	Bm, b, s
4051	Boliden Tara Mines Ltd.	20/04/2011	Meath	25,31,36,37,43	Bm, b, s, g
4053	Connemara Mining Co. Ltd.	07/07/2011	Wexford	14,18,19	Bm, b, s, g, PGE, Caesium, Lithium, Niobium, Tin, Tantalum, Tungsten
4055	Vedanta Lisheen Mining Ltd.	28/05/1987	Tipperary	30,36,42	Bm, b, s
4056	Vedanta Lisheen Mining Ltd.	28/05/1987	Tipperary	29,30,35,36	Bm, b, s
4057	Unicorn Mineral Resources Ltd.	04/07/2011	Offaly	31,32,36,37,38	Bm, b, s, g, PGE, Fluorite

## Prospecting Licences Offered and Advertised

These are licences that are in the process of being issued for certain minerals, and are indicated by their reference number and a brown colour on the map. They are available for other minerals.

PL Area	Licensee	County	Minerals
468	Merrex Gold Incorporated	Tipperary	Bm, b, s, g
890	Merrex Gold Incorporated	Offaly	Bm, b, s, g
1044	Merrex Gold Incorporated	Westmeath	Bm, b, s, g
1228	Merrex Gold Incorporated	Westmeath	Bm, b, s, g
1229	Merrex Gold Incorporated	Westmeath	Bm, b, s, g
1604	Merrex Gold Incorporated	Kildare	Bm, b, s, g
1608	Merrex Gold Incorporated	Kildare	Bm, b, s, g
1624	Merrex Gold Incorporated	Offaly	Bm, b, s, g
1628	Merrex Gold Incorporated	Offaly	Bm, b, s, g
1640	Merrex Gold Incorporated	Laois	Bm, b, s, g
2654	Merrex Gold Incorporated	Tipperary	Bm, b, s, g
3185	Conroy Gold and Natural Resources Plc	Tipperary	Bm, b, s, g
3188	Conroy Gold and Natural Resources Plc	Tipperary	Bm, b, s, g
3325	Resources Plc	Tipperary	Bm, b, s, g
3331	Merrex Gold Incorporated	Kildare	Bm, b, s, g
3406	Merrex Gold Incorporated	Westmeath	Bm, b, s, g
3502	Conroy Gold and Natural Resources Plc	Clare	Bm, b, s, g
3503	Conroy Gold and Natural Resources Plc	Clare	Bm, b, s, g
3504	Resources Plc	Clare	Bm, b, s, g
3552	Merrex Gold Incorporated	Tipperary	Bm, b, s, g
3648	Merrex Gold Incorporated	Offaly	Bm, b, s, g
3696	Conroy Gold and Natural Resources Plc	Kilkenny	Bm, b, s, g
3722	Merrex Gold Incorporated	Westmeath	Bm, b, s, g
3782	Merrex Gold Incorporated	Tipperary	Bm, b, s, g
3854	Merrex Gold Incorporated	Offaly	Bm, b, s, g
3866	Merrex Gold Incorporated	Kildare	Bm, b, s, g
3920	Merrex Gold Incorporated	Offaly	Bm, b, s, g
3928	Conamara Stone Ltd.	Galway	Marble
3981	Merrex Gold Incorporated	Westmeath	Bm, b, s, g
3982	Merrex Gold Incorporated	Westmeath	Bm, b, s, g
3983	Merrex Gold Incorporated	Westmeath	Bm, b, s, g
4065	Merrex Gold Incorporated	Laois	Bm, b, s, g
4068	Merrex Gold Incorporated	Kildare	Bm, b, s, g
4069	Merrex Gold Incorporated	Kildare	Bm, b, s, g
4070	Merrex Gold Incorporated	Kildare	Bm, b, s, g
4071	Merrex Gold Incorporated	Kildare	Bm, b, s, g
4072	Merrex Gold Incorporated	Kildare	Bm, b, s, g
4073	Merrex Gold Incorporated	Kildare	Bm, b, s, g

# IRELAND: EXPLORATION & MINING NEWS

1<sup>st</sup> November 2011

## MINING HIGHLIGHTS

### *Mine Operations*

There are currently five operating mines in Ireland (Figure 1): Navan (zinc-lead), Lisheen (zinc-lead), Galmoy (zinc-lead), Knocknacran (gypsum) and Drummond (gypsum).

### *2011 Half Yearly (Jan-June) Mine Production*

- Zinc metal in concentrates: 175kt (1.5% higher than H1, 2010)
- Lead metal in concentrates: 25kt (34% higher than H1 2010)

### *2011 Half Yearly (Jan-June) Mine Output (Metal Content)*

#### *(a) Zinc*

- Ireland produced 30% of European zinc mine output in the first half of 2011 (1<sup>st</sup> in Europe)
- Ireland produced 3% of World zinc mine output in the first half of 2011 (10<sup>th</sup> in World)

#### *(b) Lead*

- Ireland produced 13% of European lead mine output (4<sup>th</sup> in Europe)
- Ireland produced 1% of World lead mine output (12<sup>th</sup> in World)

Source of Production Data: International Lead & Zinc Study Group

## Development

Ireland's three base metal mines continue to make up a significant proportion of European zinc and lead mine output. In the first half of 2011, the Irish operations accounted for 30% of European zinc and 13% of European lead mine production. These figures equate to 3% of world mine production for zinc and 1.2% for lead. Based on the 2011 half yearly figures, Ireland ranks 10<sup>th</sup> in the world in terms of zinc mine output and 12<sup>th</sup> for lead.

**Boliden Tara Mines'** underground operation at **Navan**, Co. Meath, is the largest zinc mine in Europe and 9<sup>th</sup> largest in the world. In the first half of 2011, Tara milled 1.3Mt of ore grading 7.1% Zn and 1.4% Pb. Since mining operations commenced in 1977, total production at Navan has amounted to 77Mt grading 8.2% Zn and 1.9% Pb. At the end of 2010, the mine's JORC classified ore reserves (proven and probable) stood at 16Mt grading 7.1% Zn and 1.8% Pb, whilst mineral resources (measured, indicated and inferred) were 11.9Mt at 7.1% Zn and 1.9% Pb.

In February 2011, London Stock Exchange listed **Vedanta Resources Plc** completed its acquisition of the **Lisheen Mine** from Anglo American Plc, in a deal which valued Lisheen at US\$308 million. In the first six months of 2011, Lisheen mined 615kt of ore grading 12% Zn and 2% Pb, yielding 130kt of zinc concentrates (53.7% Zn) and 15kt of lead concentrates (61.3% Pb). Since mining was initiated in 1999, approximately 16.9Mt grading 11.9% Zn and 2.0% Pb has been mined at Lisheen. The last official Resource and Reserve Statement issued by Lisheen in January 2011 showed remaining reserves amounting to 5.97Mt at 10.92% Zn and 1.80% Pb, with additional resources of 1.32Mt grading 13.69% Zn and 2.39% Pb.

In the first half of 2011, **Galmoy Mines Ltd.**, a subsidiary of Lundin Mining Corporation, blasted over 0.14 Mt of ore grading 22.8% Zn and 7.6% Pb from its underground mine in Co. Kilkenny. Mining at Galmoy was originally scheduled to cease in May 2009, but due to positive market factors, mining of remnant high grade ore has continued to occur. All of the extracted ore is transported to a neighboring mine for processing, Galmoy's mill having been decommissioned in mid 2009. Since 1997, the mine has produced over 7 Mt of ore at a combined grade of approximately 12 % zinc and 3 % lead. It is currently planned for the mine to cease operations in the first half of 2012.

**Irish Gypsum Ltd.**, a subsidiary of French multi-national Saint Gobain, produced approximately 300kt of gypsum in 2010. The vast majority of this tonnage was sourced from the opencast operation at **Knocknacran**, Co. Monaghan, with the remainder coming from the adjacent underground mine at **Drummond**. 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. In addition, small tonnages of gypsum are used in the manufacture of cement and as a soil conditioner.

## Exploration Activity

Ireland continues to attract high levels of exploration interest. As of 1st November 2011, 36 exploration companies held 517 Prospecting Licences (PLs), the highest number of 'current' licences since 1992. A further 116 Prospecting Licence applications are currently being processed. Since 1<sup>st</sup> May 2011, 36 licences have been issued, of which thirteen were granted to new entrants to the Irish exploration scene; IMC Exploration Limited (twelve licences; see below) and Irish Resource Exploration Ltd. (one licence for gold and silver in Co. Galway). Since the start of 2011, twelve new company entrants have initiated prospecting activities in Ireland. A further six new entrants are awaiting the issue of Prospecting Licences.

Lead and zinc remain the principal commodities of interest, but other minerals currently being sought include gold, silver, PGEs, copper, molybdenum, lithium, tungsten, caesium, REEs, diamond, gem minerals, barite, calcite, fluorite, coal and fireclay.

### **EXPLORATION HIGHLIGHTS**

- *Number of exploration licences issued is at a nineteen year high*
- *Further significant high grade drilling intersections reported from Pallas Green, Stonepark and Kilbricken*
- *In excess of 150 line kilometres of seismic data acquired across the Irish Midlands*

<b>Number of Prospecting Licences (PLs):</b>	517
<b>Number of Companies holding Prospecting Licences:</b>	36
<b>Percentage of Ireland Land Area under Licence:</b>	Approximately 25%
<b>Total Exploration Expenditure in 2010:</b>	€1.8 Million
<b>Exploration Expenditure on PLs in 2010</b>	€6.1 Million
<b>Exploration Expenditure on State Mining Facilities in 2010:</b>	€5.7 Million
<b>2010 Drilling on PLs (non-mine related):</b>	74,326 metres.

**Boliden Tara Mines Ltd.** remains the largest Prospecting Licence holder in Ireland with 93 licences. In 2011, the company has continued their delineation and exploration drilling in the Navan area, completed a 20km seismic line southwest of Navan and carried out regional exploration drilling on their Tullamore, Limerick and Slievedart licence areas. Boliden has additionally entered into a joint venture (JV) agreement (subject to Government approval) with **Connemara Mining Company Plc** to explore the latter's Oldcastle block of licences in Counties Cavan and Meath. Exploration under the proposed JV will include extending the current soil sampling coverage, lithochemical sampling and shallow stratigraphic and lithochemical drilling.

In probably the largest drilling programme ever undertaken in Ireland, Xstrata Zinc has 21 rigs turning on their **Pallas Green** exploration project in Co. Limerick. Drilling since 1999 has confirmed the widespread existence of significant zinc-lead sulphide mineralization. Until recently, exploration was carried out under a joint venture between Xstrata and Irish junior explorer, Minco plc. However, in July 2011, Xstrata agreed to purchase all of Minco's interest in the Pallas Green JV for US\$19.4 million. Minco shareholders approved the disposal of its interest in the JV at an Extraordinary General Meeting held in Dublin on 24 October 2011.

In early 2011, Xstrata announced a €13 million project budget for Pallas Green comprising exploration and infill drilling (some 100,000m of drilling in 230 holes), a 2D ground seismic survey (23 line kilometres) and a pre-feasibility study (budgeted at €3 million). To the end of August 2011, 144 drillholes had been completed (approx 64,000m), of which the majority were infill holes. Some 42% of infill holes intersected mineralization exceeding three metres in width, with an average grade in excess of 4% combined lead and zinc. In February 2011, Xstrata announced a JORC compliant inferred resource estimate for Pallas Green of 25.9 Mt at an average grade of 7.51% Zn and 1.38% Pb (based on a 4% zinc equivalent cut-off). In a presentation issued in August 2010, with its Half Year Results, Xstrata indicated a potential start-up date of 2017 for a mine at Pallas Green, with an indicative capital cost of US\$300 million and with an indicated annual production of 160,000 tonnes of zinc.



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

BK	Ballinalack
C	Clontibret
CR	Cregganbaun
D	Derryginagh
GA	Galmoy
KB	Kilbricken
K	Kish Bank Basin
KD	Knocknacran/Drummond
LI	Lisheen
MA	Mallow
NA	Navan
PG	Pallas Green
SM	Silvermines
ST	Stonepark North

During 2011, Limerick Zinc Ltd., representing a joint venture between **Teck Ireland Ltd** (75%) and **Connemara Mining Company Plc** (25%) has continued to receive encouraging drill results from their **Stonepark** zinc property. Located approximately five kilometres southwest of Xstrata's Tobermalug resource, Teck is completing a 25,000m drilling campaign with up to six rigs on site in 2011. Teck has now defined several zones of mineralization since the discovery hole at Stonepark (TC-2638-004, 4m at 11.6% Zn and 3.5% Pb) in 2007. A new zone, Stonepark West, 1.7km southwest of Stonepark North, has also been discovered this year with several high grade intersections. A highlight of the 2011 drilling programme, is hole TC-2638-074 which intersected 8.65m at 7.71% Zn and 2.19% Pb from 220 metres, including 2.85m at 17.4% Zn & 3.98% Pb from 224.45m at Stonepark North. Teck also completed an airborne Full Tensor Gradiometry (FTG) survey over Limerick early in 2011, and a 19km seismic reflection survey.

Teck Ireland Ltd. also holds a further 65 licences throughout Ireland. During 2011, Teck completed approximately 90km of seismic and flew an additional airborne FTG survey. Teck continues to drill test targets both within the Irish Midlands and on their other licences.

**Rathdowney Resources Ltd.**, through its subsidiary Exploration and Discovery Ltd., holds 51 Prospecting Licences in eight separate project areas. Since 2007, the company has invested US\$3.5 million on exploration in Ireland, including a heliborne SkyTEM survey, an airborne gravity survey and the collection of over 20,000 soil samples. The company has commenced a 15,000 metre drilling programme to test 45 drill targets generated from the earlier geochemical / geophysical exploration work. As of 22<sup>nd</sup> September 2011, the company had drilled a total of 4,600 metres on its Mallow and Westmeath licence blocks.

Following the acquisition of joint venture partner Belmore Resources Ltd in mid 2011, **Lundin Mining Exploration Ltd** now holds a 100% interest in its 'Clare Project,' which includes the zinc-lead-silver prospect at **Kilbricken**. Up to the end of end Q3, 2011, Lundin had completed a high resolution 3D seismic survey around Kilbricken and drilled over 70 holes in its licences for a total meterage of approximately 50,000m. Much of the drilling has concentrated on Kilbricken, where a 2010 drillhole intersected 20.5m at 16.73% combined lead/zinc and 74.5 g/t silver. However, regional exploration drilling has also taken place, including several holes at the Ballyvergin-Crow Hill copper prospect, located seven kilometres north of Kilbricken.

**Conroy Gold and Natural Resources plc** (formerly Conroy Diamonds and Gold plc) holds 16 Prospecting Licences along a 50 km strike length of the Longford Down Massif in Counties Cavan and Monaghan.

Following positive results obtained from a scoping study undertaken by Wardrop Engineering Inc. in 2010, the company commenced a 3,500 metre infill drilling programme at its **Clontibret** gold prospect. A recent press release indicated that one hole intersected 9.1m at 2.87g/t Au (including 1.05m at 11.24g/t gold) at a depth of 118 metres. In July 2011, Conroy contracted Golder Associates to carry out detailed environmental monitoring and ecological studies at Clontibret that will form part of an Environmental Impact Assessment for the project area.

New Irish junior explorer, **IMC Exploration Ltd**, established by a team of geologists with over 140 years exploration experience in Ireland, has recently been issued with 13 Prospecting Licences. The company is exploring for base metals in Cos Clare, Limerick, Tipperary and Roscommon and for gold in Cos. Wicklow and Wexford. Following admission to the London-based PLUS Stock Exchange and a successful fund-raising effort, the company has commenced a continuous eighteen month drilling programme on its PL areas. A first hole has already been drilled on its **Tulla** licence (SE Co. Clare), intersecting significant calcite mineralization that capped an interval of semi-massive pyrite.

**Sunrise Resources plc.** has commenced a drilling programme at its **Derryginagh** Barite project in Co. Cork. Eight diamond drill holes have been provisionally planned to test the main barite vein system over a strike length of 500m and to a depth of 150m. In May 2011, Sunrise announced that a Concept Study suggested that a profitable operation could be developed at Derryginagh, for an output of at least 50,000 tonnes per year. The company is targeting the Derryginagh deposit for the production of high value, white, 'paint-grade' barite for use as mineral filler in paints and plastics.

## Exploration and Mining Expenditures 2010

Based on figures provided by exploration and mining companies, expenditure during the calendar year 2010 totalled **€21.8 million**. This was up on the 2009 figure, when €1.7 million was spent. The €21.8 million figure is made up of expenditure of €16.1 million in Prospecting Licence Areas ("greenfield" exploration) and €5.7 million in areas covered by State Mining Facilities (SML) ("brownfield" exploration). The increase in expenditure over 2009 figures is largely accounted for by PL area drilling expenditure up €6.3 million (a significant proportion of which relates to the drilling of two *offshore* wells by V.P. Power on its Kish Bank Basin licence), SML drilling expenditure up €2.6 million and other expenditure in SMLs up €1.77 million.

### Drilling statistics

Figures provided by Prospecting Licence holders indicate that a total of some 74,326 metres of drilling (non mine-related) was carried out during 2010, mainly for base metals (zinc, lead). In State Mining Facilities 60,801 metres of mine-related drilling and 17,357 metres of exploration drilling was carried out in 2010, for base metals at the Navan and Lisheen mines and for gypsum by Irish Gypsum.

### A. Prospecting Licences

Activity	Base Metals €	Gold €	Other Minerals €	Total €
Geology	€1,710,289	€7,434	€13,451	€1,751,174
Geochemistry	€303,403	€107,603	€0	€411,006
Geophysics	€37,416	€0	€1,300,907	€1,338,323
Airborne Surveys	€0	€0	€0	€0
Drilling	€3,398,744	€155,840	€5,703,580	€11,258,164
Trenching	€0	€0	€0	€0
Environmental Studies	€12,907	€6,410	€0	€19,317
Other Costs (Includes consultancies, data acquisition, report writing, but excludes office overheads.	€400,422	€162,242	€6,817	€569,481
<b>Total Expenditure (PL Areas)</b>	<b>€8,663,181</b>	<b>€459,529</b>	<b>€7,024,755</b>	<b>(a) €16,147,465</b>
Irish Office Overheads				€1,434,923
Total plus Office Overheads				<b>€17,607,388</b>

## B. State Mining Facilities (SMFs)

<b>Exploration Expenditure:</b>	
Drilling	€3,778,089
All Other Expenditure	€1,884,699
<b>Total Exploration Expenditure, SMFs</b>	<b>(b) €5,662,788</b>
<b>Total Exploration Expenditure in PLs and SMFs, excluding office overheads, i.e. (a) + (b)</b>	<b>€21,810,253</b>

## PDAC Convention, Toronto, March 2011

The 79<sup>th</sup> Annual Convention and Trade show of the Prospectors and Developers Association of Canada (PDAC) was held in Toronto from 6<sup>th</sup> to 9<sup>th</sup> March 2011. As usual, the Exploration and Mining Division exhibited at the Trade Show, where we were joined with colleagues from the Geological Survey of Ireland and the Geological Survey of Northern Ireland, in a combined **Ireland** exhibit.

The PDAC meeting is the biggest of its kind in the world, and this year the attendance figures reached an all-time high of 27,700 (26% higher than in 2010). In all, 1,000 exhibitors attended PDAC 2011 including government delegations from over fifty countries. It is expected that Ireland's involvement in the Trade Show will result in an increased interest in exploration in Ireland.

## Tellus Border Project

On 15<sup>th</sup> February 2011, a €5 million EU-funded geological project to assist in mapping the natural resources of the border counties of Donegal, Sligo, Leitrim, Cavan, Monaghan and Louth was launched. Over the next three years extensive survey work will provide important background information on geology, stream water quality, and potential pollution sources. The project is a joint initiative between the Geological Survey of Ireland (GSI), the Geological Survey of Northern Ireland (GSNI), the Dundalk Institute of Technology, and Queen's University, Belfast. The project builds on the award-winning Tellus Project in Northern Ireland, which produced new environmental maps and digital data of soils, rocks and stream waters of the whole of Northern Ireland.

## **APPENDICES**

- **Publicly Available Prospecting Licence Area Data**
- **Addresses of Companies holding State Facilities**

# 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 (GSI), Department of Communications, Energy and Natural Resources, Beggars Bush, Haddington Road, Dublin 4, and also from the Exploration and Mining Division (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**, Gerry Stanley of the Minerals Section, Tel: 01-678 2863, Fax 01-678 2589, or the **Exploration and Mining Division** (Dr Wayne Cox, Tel: 01-678 2677, Fax: 01-660 9627).

## 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 Gerry Stanley of the Minerals Section, Tel: 01-678 2863, Fax 01-678 2589.

## Online Data Availability

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

# ADDRESSES OF COMPANIES HOLDING STATE FACILITIES

## A. Prospecting Licences

### **Anú**

40 Giltspur Brook,  
Bray,  
Co Wicklow

### **Ballinalack Resources Ltd.**

The Murrough,  
Wicklow,  
Co Wicklow

### **Belmore Resources Ltd.**

c/o Lundin Mining Exploration Ltd.  
Unit 7 Suan,  
Quin,  
Co Clare

### **Boliden Tara Mines Ltd.**

Knockumber House  
Knockumber  
Navan  
Co. Meath

### **Clare Calcite Ltd.**

Block 10 Unit 3  
Blanchardstown Corporate Park  
Dublin 15

### **Conroy Gold and Natural Resources**

10 Upper Pembroke Street  
Dublin 2

### **Emerald Zinc Ltd.**

Unit S/C Kells Business Park  
Virginia Road  
Kells  
Co Meath

### **Fractore Pty. Ltd.**

11 French Street  
Camberwell  
Victoria 3124  
Australia

### **Aurum Mineral Resources Ltd.,**

Aurum House, Unit S/C,  
Kells Business Park  
Virginia Road,  
Kells, Co. Meath

### **Bayswater Ventures Corp.**

202-837 West Hastings Street  
Vancouver, B. C. V6N 3N6  
Canada

### **BHP World Exploration Inc.**

Suite 800-Four Bentall Centre, 1055  
Vancouver, BC V7X 1L2  
Canada

### **Bowpark Exploration (Ireland) Ltd.,**

Noreview,  
Thomastown,  
Co Kilkenny

### **Connemara Mining Co. Ltd.**

162 Clontarf Road  
Dublin 3

### **Dan Morrissey (Ireland) Ltd.**

Bennekerry House  
Co Carlow

### **Exploration and Discovery Ltd.**

18 Fitzwilliam Place,  
Dublin 2.

### **Gary R Brown**

c/o SLR Consulting Ireland  
7 Dundrum Business Park  
Windy Arbour  
Dublin 14

**Grosvenor Exploration and Mining Services (Ireland) Ltd.,**

c/o UHY Farrelly Dawe White Corporate Compliance Ltd.,  
FDW House,  
Blackthorn Business Park,  
Coes Road, Dundalk,  
Co Louth

**IMC Exploration Ltd**

Enterprise Centre  
Mullingar  
Co Westmeath

**Kenmare Resources Plc.**

Chatham House  
Chatham Street  
Dublin 2

**Lundin Mining Exploration Ltd.**

Unit 7 Suan,  
Quin,  
Co Clare

**Midas Mineral Resources Ltd.**

Unit 6 O'Boyces Corner  
Station Roundabout  
Letterkenny  
Co Donegal

**Oriel Selection Trust Ltd.**

Newexco Services Pty.Ltd.,  
15 Joel Terrace,  
East Perth,  
Western Australia,6004,  
Australia

**Sunrise Resources Plc**

Silk Point  
Queens Road  
Macclesfield SK10 2BB  
Cheshire

**Terra Energy Ltd.**

18 Fitzwilliam Place  
Dublin 2

**TNR Gold Corp.**

PO Box 11604,  
Suite 620-650 West Georgia Street,  
Vancouver, BC V6B 4N9  
Canada

**Hibernian Resources Ltd.**

Unit S/C Kells Business Park  
Virginia Road  
Kells  
Co Meath

**Irish Resource Exploration Limited**

22 Northumberland Road  
Ballsbridge  
Dublin 4

**Limerick Zinc Ltd.**

162 Clontarf Road  
Dublin 3

**Metallum Exploration Ltd.**

8 Sandel Village  
Knocklynn Road  
Coleraine  
BT52 1WW  
Co. Derry

**Mytilus Minerals Ltd.,**

61 Bellisk Drive,  
Cushendall,  
Co Antrim BT44 OAX

**Rennicks and Bennett Ltd.**

c/o Boliden Tara Mines Ltd.  
Knockumber,  
Navan,  
Co. Meath

**Teck Ireland Ltd.**

The Murrough,  
Wicklow,  
County Wicklow

**The Lisheen Mining Partnership**

Lisheen, Killoran  
Moyné  
Thurles  
Co Tipperary

**Unicorn Mineral Resources Ltd.,**

c/o BRG Ltd., 8b, Unit C,  
Athy Business Campus,  
Athy,  
Co Kildare

**Vedanta Lisheen Mining Ltd.**

Killoran,  
Moyne  
Thurles  
Co. Tipperary

**V P Power Ltd.**

6 Northbrook Road  
Dublin 6

**Westcork Copper Mining Company Ltd.**

8 King Street East, Ste 1500  
Toronto  
Ontario  
Canada M5C 1B5

**Westland Exploration Ltd.**

Coolfore Road, QME  
Ardraccan  
Navan  
Co Meath

## **B. Mining Facilities**

**Boliden Tara Mines Ltd.**

Knockumber House  
Knockumber,  
Navan  
Co. Meath

**Connemara Marble Products Ltd.**

Moycullen  
Co. Galway

**Eurostone Ltd.**

Gouldshill House  
Mallow  
Co Cork

**Flemings Fireclays Manufacturing Ltd.**

The Swan  
Athy  
Co. Kildare

**Roadstone Provinces Ltd.**

Saggart  
Co. Dublin

**Galmoy Mines Ltd.**

Galmoy,  
via Thurles  
County Kilkenny

**Irish Gypsum Ltd.**

Unit 14  
Park West Industrial Park  
Dublin 12

**Joyces Marble Quarries Ltd.**

Lissoughter  
Recess  
Connemara  
Co. Galway

**Killoran Lisheen Mining Ltd.,**

Killoran  
Moyne  
Thurles  
Co Tipperary

**Lisheen Milling Ltd.**

41/45 St. Stephen's Green  
Dublin 2

**Ormonde Brick Ltd.**

Castlecomer  
Co Kilkenny

**Vedanta Lisheen Mining Ltd.**

The Lisheen Mine  
Killoran, Moyne  
Thurles  
Co. Tipperary

