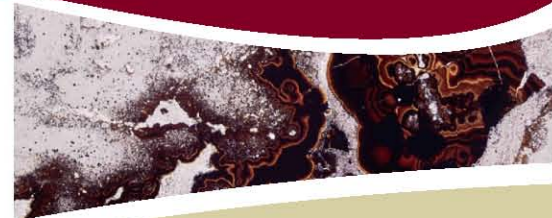




Department of Communications, Energy and Natural Resources
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STATE MINING AND PROSPECTING FACILITIES PROSPECTING LICENCE COMPETITION and INDUSTRY NEWS

1st November 2008



www.mineralsireland.ie

Table of Contents

	Page
Ground Status and Application Procedure	1
Available Ground	1
Ground Unavailable	3
Application Procedures	3
Statement of Interest	4
Prospecting Licence competition	7
Procedures	7
Competition Areas	7
State Mining and Prospecting Facilities	8
State Mining Facilities	8
Prospecting Licences Held	9
Prospecting Licences Offered and Advertised	20
Industry News	21
Appendices	29
Publicly Available Prospecting Licence Area Data	30
Addresses of Companies holding State Facilities	31

Map (in back pocket)

All information is also available on 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, either by competition (closing date 31st December 2008) or at any time.

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.9-20). Such ground is available for application for prospecting for other minerals.
- **Competition areas:** Areas that have been recently surrendered, or that have been offered and declined, are indicated by their number and a yellow colour. Applications received by 31st December 2008, will be considered after that date, without any regard to time priority.

- **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 9-20.

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
TOTAL	3,125	1,250	1,250
MINIMUM EXPENDITURE REQUIREMENTS			
	€	€	€
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
TOTAL	45,000	11,250	17,500

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. 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). 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 1st May and 1st 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.

Competition Areas

The following prospecting licence areas are open for application under equal competition until 31st December 2008.

- Areas for which licences were current on the 25th July, 2008 but have become available in the period to 16th October 2008, or areas for which licences were offered but were subsequently declined in the same period. The areas are shown on the map in yellow.

Number	County	Number	County
480	Offaly	481	Offaly
1597	Carlow	3668	Tipperary/Offaly

STATE MINING AND PROSPECTING FACILITIES

State Mining Facilities

• Mining Leases

Ref:	Lessee	Issued	County	O.S. 6"	Valid To
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	31.12.2008
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	Anglo American 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	31.12.2008
M 144	Boliden Tara Mines Ltd.	01.07.06	Meath	25	30.06.2021

• Mining Licences

Ref:	Licensee	Issued	County	O.S. 6"	Valid To
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 18th April 2008. The licensed minerals are abbreviated as follows: Base metals (Bm); Barytes (b); Gold (g); Silver (s); Platinum Group Elements (PGE).

PL	Licensee	Start	County	O.S.6''	Minerals
134	Teck Cominco Ireland Ltd	25/01/2006	Galway	98,106	Bm, b, g, s, PGE
184	Teck Cominco 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	Connemara Mining Co. Ltd	31/01/2005	Limerick	22,23,31,32,41	Bm, b, s
450	Connemara Mining Co. Ltd	31/01/2005	Limerick	23,24,32,33	Bm, b, s
468	Mincor Resources NL/ Fractore PL	08/08/2007	Tipperary /Limerick	65,66 /41	Bm, b, s, g
580	El Nino Ventures Inc.	22/09/2007	Longford	13,18	Bm, b, s
581	El Nino Ventures Inc.	22/09/2007	Longford	18,22	Bm, b, s
582	Lundin Mining Exploration Ltd	19/06/1991	Longford	22,23,26	Bm, b, s
586R	Lundin Mining Exploration Ltd	26/10/1981	Laois/Kilkenny	28,33,34/3,8	Bm, b, s, g
600	El Nino Ventures Inc.	19/12/2007	Kildare	17,22	Bm, b, s, g
622	Teck Cominco 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	Minco Ireland Ltd	06/12/1996	Limerick	13,14,22	Bm, b, s
636	Minco Ireland Ltd	06/12/1996	Limerick	21,22,30,31	Bm, b, s
643	Teck Cominco Ireland Ltd	25/01/2006	Galway	106	Bm, b, s, g, PGE
666	Teck Cominco Ireland Ltd	15/12/2005	Longford	9,14,15,19,20	Bm, b, s, g, PGE
667	Teck Cominco 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
757	Hidefield Gold Plc	20/06/2008	Sligo	19	Bm, b, s
786	Boliden Tara Mines Ltd	01/05/1991	Limerick	21,30	Bm, b, s, g
930	Gary Brown	25/09/2006	Galway	49,50,62,63	Bm, s
934	Gary Brown	21/12/2005	Galway	63,64,76,77	Bm, s
1022	Oriel Selection Trust	27/04/2005	Mayo	72,73,81,82	Bm, b, s, g
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,42	Bm, b, s, g, PGE
1102	Boliden Tara Mines Ltd	01/11/2006	Galway	18,19,31,32,46	Bm, b, s, g
1178	Teck Cominco Ireland Ltd	08/08/2006	Offaly	4,4A	Bm, b, s, g, PGE
1181	Teck Cominco Ireland Ltd	26/06/2006	Westmeath	20,21,27,28	Bm, b, s, g, PGE
1183	Boliden Tara Mines Ltd	10/03/2000	Wexford	34,39	Bm, b, s, g
1185	Boliden Tara Mines Ltd	10/03/2000	Wexford	35,40	Bm, b, s, g
1188	Boliden Tara Mines Ltd	10/03/2000	Wexford	31,35,36	Bm, b, s, g
1190	Boliden Tara Mines Ltd	10/03/2000	Wexford	25,31	Bm, b, s, g

PL	Licensee	Start	County	O.S.6"	Minerals
1191	Boliden Tara Mines Ltd	10/03/2000	Wexford	19,25,26,31,32	Bm, b, s, g
1192	Boliden Tara Mines Ltd	10/03/2000	Wexford	20,21,26,27,32	Bm, b, s, g
1193	Boliden Tara Mines Ltd	10/03/2000	Wexford	19,20,26	Bm, b, s, g
1194	Boliden Tara Mines Ltd	10/03/2000	Wexford	20,26	Bm, b, s, g
1196	Boliden Tara Mines Ltd	10/03/2000	Wexford	15,20	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
1201	Boliden Tara Mines Ltd	10/03/2000	Wexford	7,11,12,17	Bm, b, s, g
1228	Exploration & Discovery Ltd	12/06/2008	Westmeath	22,23,29,30	Bm, b, s
1229	Exploration & Discovery Ltd	12/06/2008	Westmeath	29,30,35,36	Bm, b, s
1244	Exploration & Discovery Ltd	23/07/2007	Westmeath	24,25,31,32	Bm, b, s
1245	El Nino Ventures Inc.	21/09/2007	Westmeath	9,14	Bm, b, s
1303	Connemara Mining Co. Ltd	13/04/2005	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	Exploration & Discovery Ltd	29/09/2008	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	12/01/2007	Offaly	9,10,17,18	Bm, b, s, g
1343	Boliden Tara Mines Ltd	01/11/2006	Offaly	17,18	Bm, b, s, g
1344	Teck Cominco Ireland Ltd	30/11/2005	Westmeath	2,5,6,11	Bm, b, s, g, PGE
1345	Teck Cominco Ireland Ltd	30/11/2005	Westmeath	6,10,11,18	Bm, b, s, g, PGE
1346	Teck Cominco Ireland Ltd	30/11/2005	Westmeath	6,11,18	Bm, b, s, g, PGE
1347	Teck Cominco Ireland Ltd	30/11/2005	Westmeath	6,7,11,12	Bm, b, s, g, PGE
1351	Teck Cominco Ireland Ltd	30/11/2005	Westmeath	12,13	Bm, b, s, g, PGE
1352	Teck Cominco Ireland Ltd	30/11/2005	Westmeath	12,13,19,20	Bm, b, s, g, PGE
1353	Exploration & Discovery Ltd	23/07/2007	Westmeath	18,19,25,26	Bm, b, s
1356	Conroy Diamonds &Gold Plc	23/01/1998	Monaghan	15,20	Bm, b, s, g, Antimony
1357	Conroy Diamonds &Gold 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 Cominco Ireland Ltd	20/02/2006	Westmeath	2,6	Bm, b, s, g, PGE
1384	Exploration & Discovery Ltd	08/08/2007	Westmeath	1, 2, 3	Bm, b, s
1385	Teck Cominco 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 Cominco Ireland Ltd	31/01/2006	Westmeath	19,20,26,27	Bm, b, s, g, PGE
1431	Aurum Mineral Resources	30/03/2007	Galway	12,25,38,39	S, g
1440R	Westland Exploration Ltd	23/10/1972	Meath	17,18,24,25	Bm, b, s
1450	Exploration & Discovery Ltd	07/10/2008	Meath/Dublin	32,38,39,44,45/3,6	Bm, b, s, g
1457	Fractore Pty Ltd	18/04/2007	Limerick	41,49,50	Bm, b, s

PL	Licensee	Start	County	O.S.6"	Minerals
1473	Aurum Mineral Resources Ltd & Ormonde Mining Plc	28/06/2006	Wicklow	38,39,43	Bm, s, g, PGE
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,
1577	Connemara Mining Co. Ltd	07/07/2008	Tipperary	41,47,48,53,54	Bm, b, s, g, PGE
1578	Connemara Mining Co. Ltd	07/07/2008	Tipperary	41,42,47,48	Bm, b, s, g, PGE
1583	Boliden Tara Mines Ltd	01/05/1991	Limerick	11,12,20,21,29,30	Bm, b, s, g
1587	El Nino Ventures Inc.	21/09/2007	Longford	10,11,15,16	Bm, b, s
1588	El Nino Ventures Inc.	21/09/2007	Longford	9,10,14,15	Bm, b, s
1604	Lundin Mining Exploration Ltd	17/06/1998	Kildare	9,10,13,14	Bm, b, s, g, Iron
1607	Lundin Mining Exploration Ltd	17/06/1998	Kildare	12,17,18	Bm, b, s, g, Iron
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
1640	El Nino Ventures Inc.	22/09/2007	Laois	4,5,8,9	Bm, b, s
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
1650	Exploration & Discovery Ltd	25/02/2008	Laois	22,23,29	Bm, b, s
1652	Anglo American Lisheen Mining Ltd	28/05/1987	Laois	22,23,28,29	Bm, b, s
1653	Westland Exploration Ltd	22/02/1983	Laois	22,28,34	Bm, b, s
1660	Hidefield Gold Plc	20/06/2008	Sligo	13,19	Bm, b, s
1661R	Boliden Tara Mines Ltd	31/12/1971	Meath	25	Bm, b, s, g
1663	Boliden Tara Mines Ltd	11/05/2007	Roscommon	18,23,24,29,30	Bm, b, s, g
1665	Boliden Tara Mines Ltd	11/05/2007	Roscommon	23,24,29,30,36	Bm, b, s, g
1667	Exploration & Discovery Ltd	26/08/2008	Roscommon	24,30	Bm, b, s, g
1680	Boliden Tara Mines Ltd	13/11/2006	Roscommon	25,31,31A,32	Bm, b, s, g
1715	Aurum Mineral Resources Ltd & Ormonde Mining Plc	28/06/2006	Wicklow	33,34,38,39	Bm, s, g, PGE
1716	Aurum Mineral Resources Ltd & Ormonde Mining Plc	28/06/2006	Wicklow	34,38,39,43,44	Bm, 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
1813	Boliden Tara Mines Ltd	10/03/2000	Wexford	3,6,7,7A,7B,12	Bm, b, s, g
1870	Conroy Diamonds & Gold 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	Connemara Mining Co. Ltd	13/04/2005	Cork	1,2,3	Bm, b, s, g, PGE
1942	Connemara Mining Co. Ltd	13/04/2005	Limerick	29,37	Bm, b, s, g, PGE
1943	Connemara Mining Co. Ltd	13/04/2005	Limerick	37,38,45	Bm, b, s, g, PGE
1946	Connemara Mining Co. Ltd	13/04/2005	Limerick	37,38,45,46	Bm, b, s, g, PGE
1947	Connemara Mining Co. Ltd	13/04/2005	Limerick	38,39,46,47	Bm, b, s, g, PGE
1948	Boliden Tara Mines Ltd	11/07/2002	Limerick	39,47	Bm, b, s, g
1949	Boliden Tara Mines Ltd	27/05/1987	Limerick	39,40,47,48,55	Bm, b, s, g
1991	Connemara Mining Co. Ltd	28/01/2005	Meath	8,9,14,15	Bm, b, s, g, PGE
2026	Fractore Pty Ltd	18/04/2007	Tipperary	60,67,68	Bm, b, s
2027	Fractore Pty Ltd	18/04/2007	Tipperary	60,61,68,69	Bm, b, s
2029	Connemara Mining Co. Ltd	31/01/2005	Kerry	46,47,57	Bm, b, s, g, PGE

PL	Licensee	Start	County	O.S.6"	Minerals
2053	Midas Mineral Resources Ltd	19/12/2007	Wexford	1,2	Bm, b, s, g
2062	Teck Cominco Ireland Ltd	26/06/2006	Offaly	2,3,4,7,11,12	Bm, b, s, g, PGE
2069	Lundin Mining Exploration Ltd	29/09/2008	Tipperary	35,41	Bm, b
2096	Teck Cominco Ireland Ltd	25/01/2006	Galway	85,86,97,98	Bm, b, s, g, PGE
2097	Teck Cominco Ireland Ltd	25/01/2006	Galway	96,97,105	Bm, b, s, g, PGE
2100	Teck Cominco Ireland Ltd	25/01/2006	Galway	98,99,106,107	Bm, b, s, g, PGE
2103	Teck Cominco Ireland Ltd	08/03/2007	Roscommon	50,51,53,54,56	Bm, b, s, g, PGE
2140	Conroy Diamonds & Gold Plc	27/09/2000	Cavan	16,17,21,22	Bm, b, s, g
2193	Conroy Diamonds & Gold Plc	23/01/1998	Monaghan	19,20,24,25	Bm, b, s, g, Antimony
2194	Conroy Diamonds & Gold 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
2218	Anglo American Lisheen Mining Ltd	28/05/1987	Laois	23,29	Bm, b, s
2219	Midas Mineral Resources Ltd	29/09/2008	Laois	9,13,14,18,19	Bm, b, s, g
2236	Midas Mineral Resources Ltd	19/12/2007	Wexford	2,6	Bm, b, s, g
2237	Midas Mineral Resources Ltd	19/12/2007	Wexford	2,3,6,7	Bm, b, s, g
2238	Midas Mineral Resources Ltd	19/12/2007	Wexford	1,2,3,3A	Bm, b, s, g
2239	Minco Ireland Ltd	28/07/2003	Wicklow	40,45	Bm, b, s, g
2254	Conroy Diamonds & Gold Plc	23/01/1998	Monaghan	9,10	Bm, b, s, g, Antimony
2258	Anglo American Lisheen Mining Ltd	28/05/1987	Tipperary	29,30,35,36	Bm, b, s
2290	Belmore Resources (Holdings) Plc	20/06/2007	Donegal	74, 75, 83, 84	Bm, b, s, g, PGE
2295	Aurum Mineral resources	30/06/2004	Galway	12,25	S, g
2447	Anglo American Lisheen Mining Ltd	28/05/1987	Tipperary	29,35,36,41	Bm, b, s
2448	Anglo American Lisheen Mining Ltd	28/05/1987	Tipperary	35,36,41,42	Bm, b, s
2512	Midas Mineral Resources Ltd	29/09/2008	Laois	14,18,19	Bm, b, s, g
2520	Boliden Tara Mines Ltd	01/11/2006	Galway	32,33,46,47	Bm, b, s, g
2522	Boliden Tara Mines Ltd	01/11/2006	Laois/Offaly	1/18,25,26	Bm, b, s, g
2529	Minco Ireland Ltd	06/12/1996	Limerick	14,15,23,24	Bm, b, s
2530	Minco Ireland Ltd	13/11/1995	Limerick	15,23,24	Bm, b, s
2531	Connemara Mining Co. Ltd	28/04/2006	Limerick	23,24,32	Bm, b, s, g, PGE
2533	Exploration & Discovery Ltd	19/09/2007	Galway	117,118,126,127	Bm, b, s
2537	Boliden Tara Mines Ltd	01/11/2006	Offaly	11,19	Bm, b, s, g
2538	Boliden Tara Mines Ltd	01/11/2006	Offaly	11,12,19	Bm, b, s, g
2539	Teck Cominco Ireland Ltd	08/08/2006	Offaly	4,11	Bm, b, s, g, PGE
2540	Teck Cominco Ireland Ltd	08/08/2006	Meath	46,47,52	Bm, b, s, g, PGE
2551	Midas Mineral Resources Ltd	19/12/2007	Wexford	5,6,11	Bm, b, s, g
2552	Midas Mineral Resources Ltd	19/12/2007	Wexford	5,6,10,11	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

PL	Licensee	Start	County	O.S.6"	Minerals
2558	Connemara Mining Co. Ltd	16/04/2008	Wicklow	46,47	Bm, b, s, g, PGE, Caesium, Lithium
2560	Boliden Tara Mines Ltd	01/11/2006	Offaly	29,29A,30,35	Bm, b, s, g
2564	Teck Cominco Ireland Ltd.	12/06/2008	Tipperary	6,7,9,10	Bm, b, s, g
2567	Teck Cominco Ireland Ltd	31/08/2006	Tipperary	1,2,4,5	Bm, b, s, g, PGE
2568	Boliden Tara Mines Ltd	01/11/2006	Tipperary	2,5,8	Bm, b, s, g
2579	Lundin Mining Exploration Ltd	17/04/2006	Limerick	11,20	Bm, b, s, g
2590	Belmore Resources (Holdings) Plc	18/05/2006	Clare	35,36,43,44	Bm, b, s, g
2594	Connemara Mining Co. 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	Connemara Mining Co. Ltd	31/01/2005	Limerick	13,14,22,23,31	Bm, b, s
2645	Aurum Mineral Resources Ltd	30/06/2004	Mayo	116A,117,120,120A	S, g
2646	Aurum Mineral Resources Ltd	30/06/2004	Galway	12,13,25	S, g
2647	Aurum Mineral Resources Ltd	30/06/2004	Galway	12,13,25,26	S, g
2654	Mincor Resources NL /Fractore PL	08/08/2007	Tipperary	66,73	Bm, b, s, g
2655	Fractore Pty Ltd	18/04/2007	Tipperary	66,67,73	Bm, b, s
2664	Exploration & Discovery Ltd	26/08/2008	Longford	4,8	Bm, b, s, g
2666	Boliden Tara Mines Ltd	30/03/2007	Roscommon	36,39,40,41,42	Bm, b, s, g
2671R	Lundin Mining Exploration Ltd	12/08/1998	Offaly	30,31,35,36	Bm, b, s
2674	Boliden Tara Mines Ltd	12/01/2007	Westmeath	32,33,38,39	Bm, b, s, g
2683	Conroy Diamonds & Gold Plc	15/07/1996	Monaghan	9,10,13,14	Bm, b, s, g
2689	Exploration & Discovery Ltd	19/09/2007	Galway/Clare	123,124,129/12,13	Bm, b, s
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	01/11/2006	Galway	20,33,47	Bm, b, s, g
2702	Boliden Tara Mines Ltd	01/11/2006	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
2734	Exploration & Discovery Ltd	19/09/2007	Galway	124,130	Bm, b, s
2747	Boliden Tara Mines Ltd	01/11/2006	Laois	1,2,2A,3	Bm, b, s, g
2748	Boliden Tara Mines Ltd	01/11/2006	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 Cominco Ireland Ltd	25/01/2006	Galway	97,98,105,106	Bm, b, s, g, PGE
2762	Exploration & Discovery Ltd	23/07/2007	Limerick	3,4,11,12	Bm, b, s, g
2774	El Nino Ventures Inc.	21/09/2007	Longford	10,15,156	Bm, b, s
2780	Exploration & Discovery Ltd	26/08/2008	Longford	8,9	Bm, b, s, g
2781	Boliden Tara Mines Ltd	01/11/2006	Offaly	15,16,23,24	Bm, b, s, g
2782	Boliden Tara Mines Ltd	01/11/2006	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
2788	Boliden Tara Mines Ltd	30/03/2007	Roscommon	20,21,26,27	Bm, b, s, g
2799	Belmore Resources (Holdings) Plc	20/06/2007	Donegal	73, 74, 82, 83	Bm, b, s, g, PGE
2827	Conroy Diamonds & Gold Plc	27/09/2000	Cavan	24,25,30,31	Bm, b, s, g

PL	Licensee	Start	County	O.S.6"	Minerals
2835	Lundin Mining Exploration Ltd	28/02/2006	Limerick	4,11,12,20,21	Bm, b, s, g
2836	Exploration & Discovery Ltd	29/09/2008	Meath	32,37,38	Bm, b, s, g
2840	Lundin Mining Exploration Ltd	19/12/1986	Limerick /Tipperary	24,25,32,33,33A /57	Bm, b, s, g
2845	Connemara Mining Co. Ltd	13/04/2005	Limerick	28,36	Bm, b, s, g, PGE
2859	Lundin Mining Exploration Ltd	17/08/1981	Offaly	31,32,36,37,39	Bm, b, s
2861	Boliden Tara Mines Ltd	01/11/2006	Offaly	23,24,31,32	Bm, b, s, g
2872	Exploration & Discovery Ltd	23/07/2007	Limerick	2,3,10,11	Bm, b, s, g
2887	Boliden Tara Mines Ltd	01/11/2006	Galway	45,46,59,60	Bm, b, s, g
2927	Connemara Mining Co. 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
3027	Conroy Diamonds & Gold Plc	20/08/1998	Monaghan	19,24,25	Bm, b, s, g, Antimony
3028	Conroy Diamonds & Gold Plc	15/07/1996	Monaghan	13,14,18,19	Bm, b, s, g
3029	Aurum Mineral Resources Ltd & Ormonde Mining Plc	28/06/2006	Wicklow	34,35,39	Bm, s, g, PGE
3030	Aurum Mineral Resources Ltd & Ormonde Mining Plc	28/06/2006	Wicklow	29,30,34,35	Bm, s, g, PGE
3059	Boliden Tara Mines Ltd	30/03/2007	Roscommon	35,39	Bm, b, s, g
3065	Conroy Diamonds & Gold Plc	28/08/1998	Monaghan	12,13,17,18	Bm, b, s, g, Antimony
3066	Conroy Diamonds & Gold Plc	28/08/1998	Monaghan	13,18	Bm, b, s, g, Antimony
3068	Conroy Diamonds & Gold Plc	27/09/2000	Monaghan	17,18,22,23	Bm, b, s, g
3130	Conroy Diamonds & Gold Plc	27/11/1996	Cavan	21,25,26	Bm, b, s, g
3131	Conroy Diamonds & Gold Plc	27/09/2000	Cavan	21,26	Bm, b, s, g
3144	Midas Mineral Resources Ltd	19/12/2007	Galway	39, 40,53	Bm, b, s, g
3145	Aurum Mineral Resources Ltd	30/03/2007	Galway	25,26,38,39,40	S, g
3147	Boliden Tara Mines Ltd	01/11/2006	Laois	2,2A,6A	Bm, b, s, g
3152	Teck Cominco Ireland Ltd	31/01/2006	Westmeath	13,14,20,21	Bm, b, s, g, PGE
3155	Kenmare Resources Plc	29/09/2008	Wexford	42,43	Bm, b
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 Cominco Ireland Ltd	08/03/2007	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	Aurum Mineral Resources Ltd	30/06/2004	Galway	25,26	S, g
3170	Aurum Mineral Resources Ltd	30/06/2004	Galway	26,27,39	S, g
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
3201	Connemara Mining Co. Ltd	19/12/2007	Waterford	14,15,23,24	Bm, b, s, g, PGE
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
3220	Mineral Estates (Ireland) Ltd	18/09/1996	Dublin	4,5,8	Bm, b, s, g

PL	Licensee	Start	County	O.S.6"	Minerals
3232	Teck Cominco 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
3245R	Lundin Mining Exploration Ltd	19/12/1986	Kilkenny	3,7,8,12	Bm, b, s, g
3246	Kellys of Fantane	28/02/2006	Tipperary	36,42,43,43A,48,49	Dolomite, Dolomitic Limestone
3248	Boliden Tara Mines Ltd	30/03/2007	Roscommon	39,40,41,42,43,44,45,46	Bm, b, s, g
3249	Boliden Tara Mines Ltd	27/05/1987	Limerick	39,40,47,48,55	Bm, b, s
3251	Midas Mineral Resources Ltd	19/12/2007	Galway	53,54,66,67	Bm, b, s, g
3262R	Anglo American Lisheen Mining Ltd	28/05/1987	Tipperary	30,36,42	Bm, b, s
3263	Exploration & Discovery Ltd	25/02/2008	Laois	18,23,24,29,30	Bm, b, s
3264	Boliden Tara Mines Ltd	10/03/2000	Wexford	16,20,21,27	Bm, b, s, g
3265R	Midas Mineral Resources Ltd	19/12/2007	Wicklow	36,36,40,41	Bm, b, s, g
3266	Boliden Tara Mines Ltd	01/11/2006	Offaly	24,25	Bm, b, s, g
3267	Aurum Mineral Resources Ltd	28/06/2006	Limerick	31,32,39,40	Bm, b, s, g
3268	Minco Ireland Ltd	08/11/1991	Limerick	15,16,24,25	Bm, b, s
3270	Conroy Diamonds & Gold Plc	27/09/2000	Cavan	19,20,24,25	Bm, b, s, g
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
3313	Lundin Mining Exploration Ltd	04/08/1987	Kilkenny	3,8,9,12	Bm, b, s
3318	Lundin Mining Exploration Ltd	29/09/2008	Tipperary	40,41,46,47	Bm, b
3319	Fractore Pty Ltd	18/04/2007	Tipperary	59,60,67	Bm, b, s
3321	Connemara Mining Co. Ltd	07/07/2008	Tipperary	42,48	Bm, b, s, g, PGE
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	Minco Ireland Ltd	21/05/1999	Limerick	15,16,24	Bm, b, s
3344	Minco Ireland Ltd	25/05/1999	Limerick	6,14,15	Bm, b, s
3345	Ormonde Brick Ltd	14/09/1998	Kilkenny	6	Coal, Fireclay
3346	Boliden Tara Mines Ltd	16/12/2005	Meath	23,24,29,30,35,36	Bm, b, s, g
3350	Midas Mineral Resources Ltd	19/12/2007	Wicklow	40,41,45	Bm, b, s, g
3365	Exploration & Discovery Ltd	26/08/2008	Cork	7,16,17	Bm, b, s, g
3367	Connemara Mining Co. 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	Boliden Tara Mines Ltd	27/04/1988	Limerick	21,30,31	Bm, b, s, g
3373	Boliden Tara Mines Ltd	01/03/1993	Meath	11,16,17,23,24	Bm, b, s
3374	Teck Cominco Ireland Ltd	08/08/2006	Kildare	48,50,51,53,54	Bm, b, s, g, PGE
3400	Conroy Diamonds & Gold Plc	27/11/1996	Cavan	25,26,31,32	Bm, b, s, g
3406	Connemara Mining Co. Ltd	26/08/2008	Westmeath	16,22,23,30	Bm, b, s, g, PGE
3414	Conroy Diamonds & Gold Plc	27/09/2000	Cavan	30,31,37,38	Bm, b, s, g
3421	Fractore Pty Ltd	18/04/2007	Tipperary	67,68	Bm, b, s
3422	Aurum Mineral Resources Ltd	30/06/2004	Galway	27	S, g
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

PL	Licensee	Start	County	O.S.6"	Minerals
3427	Midas Mineral Resources Ltd	29/09/2008	Kildare	21,26,27,30,31	Bm, b, s, g
3429	Boliden Tara Mines Ltd	01/11/2006	Galway	19,32,33,46	Bm, b, s, g
3431	Minco Ireland Ltd	30/05/2005	Limerick	1,6,14	Bm, b, s, PGE
3432	Boliden Tara Mines Ltd	01/11/2006	Offaly	24,25,25A,32	Bm, b, s, g
3436	Boliden Tara Mines Ltd	11/05/2007	Roscommon	35,36,39,40	Bm, b, s, g
3460	Teck Cominco Ireland Ltd	08/03/2007	Roscommon	51,52,54,55,56	Bm, b, s, g, PGE
3463	Boliden Tara Mines Ltd	10/03/2000	Wexford	39,40,44	Bm, b, s, g
3464	Boliden Tara Mines Ltd	10/03/2000	Wexford	34,35,39,40	Bm, b, s, g
3465	Boliden Tara Mines Ltd	10/03/2000	Wexford	30,34,35	Bm, b, s, g
3466	Boliden Tara Mines Ltd	10/03/2000	Wexford	30,31,35	Bm, b, s, g
3469	Conroy Diamonds & Gold Plc	27/09/2000	Monaghan	17,22	Bm, b, s, g
3470	Boliden Tara Mines Ltd	13/11/2006	Galway	4,5,6,17	Bm, b, s, g
3471	Boliden Tara Mines Ltd	13/11/2006	Galway	1,5,6,17,18	Bm, b, s, g
3474	Teck Cominco Ireland Ltd	24/02/2006	Roscommon	48,50,51,53,54	Bm, b, s, g, PGE
3475	Boliden Tara Mines Ltd	01/11/2006	Offaly/Tipperary	21,29/1,4	Bm, b, s, g
3476	Teck Cominco Ireland Ltd	31/01/2006	Tipperary	3,4,6,7	Bm, b, s, g, PGE
3477	Teck Cominco Ireland Ltd	31/01/2006	Tipperary	1,3,4	Bm, b, s, g, PGE
3488	Boliden Tara Mines Ltd	02/05/1988	Limerick	11,19,20,28,29	Bm, b, s
3489	Boliden Tara Mines Ltd	02/05/1988	Limerick	11,20,29	Bm, b, s
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
3507	Boliden Tara Mines Ltd	01/11/2006	Galway	108,109,118	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
3519	Connemara Mining Co. Ltd	19/12/2007	Waterford	23,24,31,32	Bm, b, s, g, PGE
3522	Teck Cominco Ireland Ltd	14/03/2007	Kilkenny	26,27,30,31	Bm, b, s, g, PGE
3523	Teck Cominco Ireland Ltd	14/03/2007	Kilkenny	26,27,30	Bm, b, s, g, PGE
3524	Teck Cominco Ireland Ltd	14/03/2007	Kilkenny	22,23,26,27	Bm, b, s, g, PGE
3525	Teck Cominco Ireland Ltd.	19/12/2007	Kilkenny	27,31,32	Bm, b, s, g, PGE
3526	Conroy Diamonds & Gold Plc	27/09/2000	Cavan	36,37,41	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	16,17,24,25	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	28/02/2006	Limerick	9,10,18,19	Bm, b, s, g
3549	Boliden Tara Mines Ltd	01/11/2006	Kildare	3,7,8,12	Bm, b, s, g
3552	Mincor Resources NL /Fracture PL	08/08/2007	Tipperary	58,66	Bm, b, s, g
3561	Boliden Tara Mines Ltd	11/05/2007	Roscommon	29,36	Bm, b, s, g
3562	Conroy Diamonds & Gold Plc	27/09/2000	Cavan	20,21,25,26	Bm, b, s, g

PL	Licensee	Start	County	O.S.6"	Minerals
3563	Conroy Diamonds & Gold Plc	27/09/2000	Cavan	15,26,20,21	Bm, b, s, g
3564	Conroy Diamonds & Gold Plc	27/09/2000	Cavan	12,16,17,21	Bm, b, s, g
3569	Lundin Mining Exploration Ltd	29/09/2008	Tipperary	41,47	Bm, b
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 Diamonds & Gold 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 Cominco Ireland Ltd	26/06/2006	Westmeath	20,26,27,34	Bm, b, s, g, PGE
3576	Teck Cominco Ireland Ltd	26/06/2006	Westmeath	20,27,28,34	Bm, b, s, g, PGE
3581	Boliden Tara Mines Ltd	29/07/2002	Limerick	32,33,40,41	Bm, b, s, g
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
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
3633	Exploration & Discovery Ltd	26/08/2008	Longford	8,9,13,14,18,19	Bm, b, s, g
3634	Teck Cominco Ireland Ltd	15/12/2005	Longford	9,14	Bm, b, s, g, PGE
3636	Teck Cominco Ireland Ltd	08/08/2006	Meath	35,40,41,42,47	Bm, b, s, g, PGE
3637	Boliden Tara Mines Ltd	13/11/2006	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 Resources Ltd	14/07/2008	Clare	34,42	Bm
3641	Belmore Resources Ltd	14/07/2008	Clare	41,42,50,51	Bm
3642	Belmore Resources Ltd	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
3645	Teck Cominco Ireland Ltd	14/03/2007	Kilkenny /Tipperary	26,30 /63,64,71,72,74	Bm, b, s, g, PGE
3646	Teck Cominco Ireland Ltd	14/03/2007	Tipperary	63,70,71	Bm, b, s, g, PGE
3647	Minco Ireland Ltd	08/11/1991	Tipperary /Limerick	50,51 /25	Bm, b, s
3649	Midas Mineral Resources Ltd	29/09/2008	Kildare	21,22,26,27	Bm, b, s, g
3650	Connemara Mining Co. Ltd	13/04/2005	Limerick	35,36,43,44	Bm, b, s, g, PGE
3651	Connemara Mining Co. Ltd	13/04/2005	Limerick	44,45,53,54	Bm, b, s, g, PGE
3655	Exploration & Discovery Ltd	08/08/2007	Westmeath	3,4,7	Bm, b, s
3660	El Nino Ventures Inc.	21/09/2007	Meath	15,16,22,23	Bm, b, s
3662	Midas Mineral Resources Ltd	29/09/2008	Laois	30,31,36,37	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
3667	Anglo American Lisheen Mining Ltd	28/07/1991	Laois	28,29,34,35	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
3676	Midas Mineral Resources Ltd	19/12/2007	Wicklow	43,44,47	Bm, b, s, g
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 (Holdings) 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

PL	Licensee	Start	County	O.S.6"	Minerals
3685	Boliden Tara Mines Ltd.	11/05/2007	Roscommon	28,29,35,36	Bm, b, s, g
3688	Anglo American Lisheen Mining Ltd	09/01/1997	Laois	29,30,35	Bm, b, s
3692	Exploration & Discovery Ltd	19/09/2007	Galway	114,122,123,129	Bm, b, s
3705	Fractore Pty Ltd	18/04/2007	Limerick /Tipperary	41,49,50/ 66,73,74	Bm, b, s
3722	Connemara Mining Co. Ltd	26/08/2008	Westmeath	29	Bm, b, s, g, PGE
3727	Teck Cominco Ireland Ltd.	12/06/2008	Tipperary	7,8,10,11	Bm, b, s, g, PGE
3734	Hidefield Gold Plc	20/06/2008	Sligo	12,13,18,19,24	Bm, b, s
3735	Hidefield Gold Plc	20/06/2008	Sligo	13,19,20	Bm, b, s
3742	Boliden Tara Mines Ltd	01/11/2006	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
3746	Boliden Tara Mines Ltd	30/03/2007	Roscommon	20,26,27,34	Bm, b, s, g
3754	Boliden Tara Mines Ltd	11/05/2007	Roscommon	34,35,38,39	Bm, b, s, g
3757	Boliden Tara Mines Ltd	13/11/2006	Galway	6,7,18,19	Bm, b, s, g
3759	Boliden Tara Mines Ltd	30/03/2007	Roscommon	25,26,32,33	Bm, b, s, g
3760	Boliden Tara Mines Ltd	30/03/2007	Roscommon	20,26,33	Bm, b, s, g
3763	Boliden Tara Mines Ltd	30/03/2007	Roscommon	12,14,15,19,20,21	Bm, b, s, g
3774	Oriel Selection Trust Ltd	27/04/2005	Mayo	72,81,102	Bm, b, s, g
3777	Connemara Mining Co. Ltd	17/04/2006	Kildare	19,20,24,25,25A,29	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
3782	Fractore Pty	11/07/2002	Tipperary	58,59,66,67	Bm, b, s
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
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
3828	Teck Cominco Ireland Ltd	14/03/2007	Kilkenny	18,19,22,23	Bm, b, s, g, PGE
3829	Teck Cominco Ireland Ltd	14/03/2007	Kilkenny	18,22,23,26	Bm, b, s, g, PGE
3839	El Nino Ventures Inc.	21/09/2007	Meath	15,16,23	Bm, b, s
3840	Teck Cominco 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	Jadebay Ltd	11/06/1998	Wicklow	30,31,35,36,40	Bm, b, s, g
3850	Jadebay Ltd	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	23,24,29,39	Bm, b, s, g
3853	El Nino Ventures Inc.	22/09/2007	Laois	4,8,13	Bm, b, s
3854	El Nino Ventures Inc.	22/09/2007	Offaly	26,27,33	Bm, b, s
3857	Minco Ireland Ltd	28/07/2003	Wicklow /Wexford	34,35,39,40,44,45 /1,2	Bm, b, s, g
3863	Belmore Resources Ltd	21/05/1997	Clare	18,19,24,26	Bm, b, s, Calcite, Fluorite
3866	El Nino Ventures Inc.	19/12/2007	Kildare	12,16,17,21,22	Bm, b, s, g
3867	Boliden Tara Mines Ltd	01/11/2006	Galway	19,32	Bm, b, s, g
3868	Boliden Tara Mines Ltd	01/11/2006	Offaly	17,24,25	Bm, b, s, g
3869	Conroy Diamonds & Gold Plc	20/08/1998	Monaghan	18,19,23,24	Bm, b, s, g, Antimony

PL	Licensee	Start	County	O.S.6"	Minerals
3870	Conroy Diamonds & Gold Plc	20/08/1998	Monaghan	25,28	Bm, b, s, g, Antimony
3871	Conroy Diamonds & Gold Plc	20/08/1998	Monaghan	24,25,27,28	Bm, b, s, g, Antimony
3878	Teck Cominco 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, PGE
3881	Midas Mineral Resources Ltd	19/12/2007	Galway	38,39,52,53	Bm, b, s, g, PGE
3887	Oriel Selection Trust Ltd	27/04/2005	Mayo	63,72,73	Bm, b, s, g
3891	Dan Morrissey (Ireland) Ltd	27/09/1999	Laois	37	Coal, Fireclay
3897	Exploration & Discovery Ltd	19/09/2007	Galway	125,126,131,132	Bm, b, s
3898	Exploration & Discovery Ltd	19/09/2007	Galway	126,131,132	Bm, b, s
3902	Exploration & Discovery Ltd	26/08/2008	Cork	17,25	Bm, b, s, g
3907	Teck Cominco Ireland Ltd.	12/06/2008	Offaly	38,41,42,44,45	Bm, b, s, g, PGE
3908	Minco Ireland Ltd	17/07/2001	Limerick	5,6,13,14	Bm, b, s
3912	Boliden Tara Mines Ltd	19/04/2002	Meath	25	Bm, b, s
3923	Boliden Tara Mines Ltd	27/05/2004	Limerick	12,13,21,21	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	24/04/2005	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 Cominco Ireland Ltd	24/02/2006	Roscommon	48,49,51,52	Bm, b, s, g, PGE
3935	Teck Cominco Ireland Ltd	31/01/2006	Westmeath	13,19,20	Bm, b, s, g, PGE
3936	Teck Cominco Ireland Ltd	20/02/2006	Westmeath	5,6,10,11	Bm, b, s, g, PGE
3937	Teck Cominco Ireland Ltd	26/06/2006	Westmeath	26,27,33,34,39	Bm, b, s, g, PGE
3938	Teck Cominco Ireland Ltd	26/06/2006	Meath	40,41,46,46s,47	Bm, b, s, g, PGE
3939	Teck Cominco Ireland Ltd	26/06/2006	Meath	40,41,46,47	Bm, b, s, g, PGE
3940	Boliden Tara Mines Ltd	12/01/2007	Offaly	9,10,18	Bm, b, s, g
3941	Boliden Tara Mines Ltd	12/01/2007	Offaly	9,10,18,19	Bm, b, s, g
3942	Boliden Tara Mines Ltd	01/11/2006	Offaly	10	Bm, b, s, g
3943	Boliden Tara Mines Ltd	12/01/2007	Offaly	3,4,10,11	Bm, b, s, g
3944	Boliden Tara Mines Ltd	12/01/2007	Westmeath	26,32,33,39	Bm, b, s, g
3945	Boliden Tara Mines Ltd	12/01/2007	Westmeath	26,32,33,38,39	Bm, b, s, g
3946	Boliden Tara Mines Ltd	12/01/2007	Offaly /Westmeath	3,10 /33,39	Bm, b, s, g
3947	Boliden Tara Mines Ltd	12/01/2007	Westmeath	38,40	Bm, b, s, g
3948	Boliden Tara Mines Ltd	12/01/2007	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	12/01/2007	Offaly /Westmeath	8,9,16,17 /37,40	Bm, b, s, g
3957	Teck Cominco Ireland Ltd	14/03/2007	Kilkenny	23,24,27,28	Bm, b, s, g, PGE
3958	V. P. Power	09/08/2007	Offshore		Coal
3959	Midas Mineral Resources Ltd	19/12/2007	Galway	39,40,53,54	Bm, b, s, g, PGE
3960	Exploration & Discovery Ltd	19/09/2007	Galway	116, 124,125	Bm, b, s
3961	Exploration & Discovery Ltd	19/09/2007	Galway	124,125,130	Bm, b, s
3962	Exploration & Discovery Ltd	19/09/2007	Galway	116,117,125,126	Bm, b, s
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
3967	Hidefield Gold Plc	20/06/2008	Sligo	14,15,20,21	Bm, b, s
3968	Hidefield Gold Plc	20/06/2008	Sligo	13,14,20	Bm, b, s
3969	Hidefield Gold Plc	20/06/2008	Sligo	8,9,14	Bm, b, s
3970	Hidefield Gold Plc	20/06/2008	Sligo	5,6,8,9	Bm, b, s
3980	Boliden Tara Mines Ltd.	12/06/2008	Offaly	35,38,38A,41,42	Bm, b, s, g
3981	Exploration & Discovery Ltd	12/06/2008	Westmeath	30,36	Bm, b, s

PL	Licensee	Start	County	O.S.6"	Minerals
3982	Connemara Mining Co. Ltd	26/08/2008	Offaly /Westmeath	6,7 /30,35,36	Bm, b, s, g, PGE
3983	Connemara Mining Co. Ltd	26/08/2008	Westmeath	24,30,31	Bm, b, s, g, PGE
3985	Exploration & Discovery Ltd	12/06/2008	Westmeath	17,23,24,30,31	Bm, b, s
3988	Exploration & Discovery Ltd	29/09/2008	Meath	25,31,36,37,43	Bm, b, s, g
3989	Exploration & Discovery Ltd	29/09/2008	Meath	26,32	Bm, b, s, g
3990	Exploration & Discovery Ltd	29/09/2008	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

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	Mineral
449	Connemara Mining Co. Ltd	Limerick	G, PGE
450	Connemara Mining Co. Ltd	Limerick	G, PGE
1575	Lundin Mining Exploration Ltd	Tipperary	Bm, b, s
1670	Lundin Mining Exploration Ltd	Leitrim	Bm, b, s
2604	Lundin Mining Exploration Ltd	Tipperary	Bm, b, s
2638	Connemara Mining Co. Ltd	Limerick	G, PGE
2776	Lundin Mining Exploration Ltd	Leitrim	Bm, b, s
2803	Oriel Selection Trust Ltd	Donegal	Bm, b, s, g, PGE, REEs
2927	Connemara Mining Co. Ltd	Limerick	G, PGE
3128	Lenagold Ltd	Donegal	Bm, b, s, g
3132	Lenagold Ltd	Donegal	Bm, b, s, g
3133	Lenagold Ltd	Donegal	Bm, b, s, g
3134	Lenagold Ltd	Donegal	Bm, b, s, g
3135	Lenagold Ltd	Donegal	Bm, b, s, g
3136	Lenagold Ltd	Donegal	Bm, b, s, g
3162	Lenagold Ltd	Donegal	Bm, b, s, g
3316	Lundin Mining Exploration Ltd	Tipperary	Bm, b, s
3317	Lundin Mining Exploration Ltd	Tipperary	Bm, b, s
3320	Lundin Mining Exploration Ltd	Tipperary	Bm, b, s
3367	Connemara Mining Co. Ltd	Limerick	G, PGE
3741	Exploration & Discovery Ltd	Cork	Bm, b, s, g
3888	Lundin Mining Exploration Ltd	Leitrim	Bm, b, s
3889	Lundin Mining Exploration Ltd	Leitrim	Bm, b, s
3890	Lundin Mining Exploration Ltd	Leitrim	Bm, b, s
3971	Oriel Selection Trust Ltd	Donegal	Bm, b, s, g, PGE, REEs
3978	Oriel Selection Trust Ltd	Donegal	Bm, b, s, g, PGE, REEs
3979	Oriel Selection Trust Ltd	Donegal	Bm, b, s, g, PGE, REEs

INDUSTRY NEWS

Introduction

In spite of weakening metal prices over the past year, the Irish exploration and mining sector remains relatively buoyant. At the time of going to press (31st October 2008), some 30 exploration companies held 484 Prospecting Licences; the highest licence figure recorded in over seven years. Approximately 25% of Ireland's land area is currently under licence. Five of the western world's top ten zinc miners are currently exploring in Ireland (Xstrata, Teck, Anglo American, New Boliden and Lundin).

Ireland's base metal mines also continue to make up a significant proportion of European zinc and lead mine output. In 2007, the zinc and lead content of concentrates produced in Ireland amounted to 401,000t and 56,800t respectively. The three working operations accounted for 39% of European zinc and 20% of European lead mine production. These figures equate to 6% of western world mine production of zinc and 3% for lead. In global terms, Ireland is the 9th largest producer of both zinc and lead in concentrates.

Mining

Boliden Tara Mines' underground operation at **Navan**, Co Meath, remains the largest zinc mine in Europe. In 2007, production from the mine totalled 2.66Mt at 7.72% Zn and 1.47% Pb. This ore yielded 191,000t of zinc and 25,600t of lead metal in concentrates. Over some thirty years of operation (1977 to end 2007), total mine production has amounted to 68.2Mt grading 8.36% Zn and 2.00% Pb. Heading in to 2008, the mine's JORC Classified Ore Reserves (Proven and Probable) stood at 17.8Mt grading 7.7% Zn and 1.7% Pb, whilst Mineral Resources (Measured, Indicated and Inferred) were calculated at 13.5Mt grading 7.2% Zn and 2.1% Pb.

In the first six months of 2008, **Galmoy Mines Ltd.**, a subsidiary of **Lundin Mining Corporation**, produced 248,000t of ore grading 12.8% Zn and 3.5% Pb from its underground mine at Galmoy in Co. Kilkenny. This tonnage is some 19% higher than that recorded for the corresponding period in 2007, when production was beset by a number of difficulties including industrial action and technical challenges associated with backfill performance. During 2007, some 446,908t of ore grading 12.4% Zn and 3.4% Pb were milled at Galmoy. This ore yielded concentrates containing 45,282t of zinc metal, 10,980t of lead and 129,276 ounces of silver.

Between 1997 and the end of last year, Galmoy produced a milled tonnage of 6.12Mt at 11.5% Zn and 2.4% lead. Reserves (Proven and Probable) at end December 2007 were calculated at 2.02Mt grading 15.8% Zn, 4.4% Pb and 42g/t Ag. In addition, Resources (Measured and Indicated only) totalled 1.95Mt at 14.9% Zn, 3.2% Pb and 31g/t Ag.

In August 2008, Laois County Council granted planning permission to Galmoy Mines Ltd to work minerals in the K2 orebody (northwest of the K zone that is currently being exploited). As the orebody lies outside existing Mining Licence Areas, Galmoy are required to apply to the Department for a new Mining Facility. Galmoy's management announced in September, that the mine would close by July 2011.

During 2007, **Anglo American** produced 1.51Mt of ore grading 12.01% Zn and 1.91% Pb from its underground mine at **Lisheen**, Co. Tipperary. This ore yielded concentrates containing 174,435t of zinc and 20,190t of lead. Between 1999 and end December 2007, the mine has produced 11.08Mt grading 11.82% Zn and 2.16% Pb. As of the start of the present year, Lisheen Mine Reserves amounted to 9.68Mt at 11.94% Zn and 1.88% Pb, with additional resources of 2.03Mt grading 13.73% Zn and 2.35% Pb.

Irish Gypsum, a part of the **St. Gobain** group of companies, is estimated in 2007 to have produced some 700,000t of gypsum from its opencast operation at Knocknacran and the adjacent underground mine at Drummond. The gypsum is crushed and blended locally, before being supplied as feed to the company's plaster mill and plaster-board plant in Kingscourt.

Exploration Activity

Boliden Tara Mines are the largest Prospecting Licence holder in Ireland, with just under 120 licences. During 2008, the company has drilled at a number of locations, including close to the mine at Navan, Co. Meath, in Co. Limerick and in Co. Wexford. In August, Boliden contracted Bell Geospace to fly an airborne gravity survey over a number of its licences in the Irish Midlands.

Since their entry onto the Irish exploration scene in mid-2007, **Rathdowney Resources Ltd.**, through their subsidiary **Exploration and Discovery Ltd** have rapidly acquired a large ground holding over much of Ireland. The company currently holds 67 licences, covering some 2,300km² over ten projects areas, Mallow, Westmeath North, Westmeath South, Moate, Kildare, Laois, Meath, Longford, Courtbrown and Galway. The company's primary exploration focus is lead and zinc. To date Rathdowney have collected and analysed over 10,000 soil samples, flown a heliborne SkyTEM survey (1,344 line km) over four of its project areas, and completed a 3-D Full Tensor Gravity Gradient Survey over its Westmeath South property. In September, following an option agreement with **Mineral Estates Ireland Ltd.**, Rathdowney completed its first exploration drillhole at Loughshinny, Co. Dublin. The 362m hole, currently being assayed, intersected disseminated zinc/lead sulphides and abundant pyrite.

In the last year, **Xstrata Zinc** and joint venture partner **Minco Plc** have intensified their exploration programme at Pallas Green in northeast Co. Limerick. The exploration budget for the project was increased to €6 million in 2008, with some 50,000 metres of drilling planned for the year. To the end of August, 15 rigs had been deployed, completing 68 holes for a total of 29,000 metres. Much of the drilling has focused on the Tobermalug Zone. Here, a north-south oriented zone of pyrite-zinc-lead mineralization has been traced over a continuous strike length of 2.7km. Mineralization remains open to the south, west and northwest. Significant intersections include drill-hole MN-2529-059 which at a depth of 370m, returned 8.55 metres averaging 18.29% zinc and lead. Drilling has also continued west of Tobermalug at Caherconlish South, Srahane West and Kilculleen in order to evaluate the continuity of high grade sulphides at these separately mineralized zones.

Connemara Mining Company Plc holds 40 licences in ten different areas of Ireland. The company's principal asset is a block of 16 licences in Co. Limerick, which are spread over two areas, Monaster and Newcastle West. All of these licences have been joint ventured with **Teck Cominco Ireland Ltd.**, who will earn a 75% interest in the two blocks by spending C\$3M. The latter have drilled a number of holes in 2008 to follow-up their intersection of zinc-rich sulphide mineralization at Stonepark (Monaster Block) late last year. A 100m step-out (TC-2638-8) to the southeast of the discovery hole (TC-2638-4) intersected 15.35m at 3.25% Zn and 0.33% Pb, including an interval of 2.85m grading 12.18% Zn and 0.75% Pb. Elsewhere, in the Newcastle West Block, a programme of geological mapping, geophysical and geochemical surveying has been undertaken by Teck, in order to generate targets for drill-testing in 2009.

Connemara have themselves completed an 11 hole drilling programme near Lough Sheelin (Cos. Cavan/Meath) in the first half of 2008. Five of the 11 holes intersected zinc-lead mineralization including one intercept of 4.7m at 3.38% Zn and 0.59% Pb.

Since late 2005, a total of 58 licences have been issued to Teck Cominco (Ireland) Ltd for base metals, barytes, silver, gold and PGMs. Teck holds a continuous swathe of ground across the north Irish Midlands that extends south-eastwards from near Longford Town into northwest Co. Kildare. The company additionally holds licences in east Co. Galway (Kilreekill Block), north Co. Tipperary (Lorrha Block), southwest of Athlone (Drum Block) and southeast of Kilkenny town.

Conroy Diamonds and Gold P.l.c (Conroy) have continued to progress their gold exploration programme in the Lower Palaeozoic rocks of the Longford – Down Massif. In July 2008, Conroy announced a JORC-compliant gold resource of over one million ounces at its Clontibret target area in County Monaghan. Using a 0.75g/t cut-off, Indicated and Inferred Resources are estimated at 25.0Mt grading 1.28 g/t Au (1,030,000 oz contained gold). The company asserts that this JORC-compliant gold resource estimate is the largest yet reported in either Ireland or the UK. Drilling continues elsewhere within the wider Clontibret target area.

Alba Mineral Resources, through its subsidiary **Aurum Mineral Resources**, hold a total of 11 licences in two different parts of the country. In Counties Galway and Mayo, the company is exploring for gold in a block of nine contiguous licences. The block includes the gold showing at Bohaun, a 1200m long and up to 80m wide zone of silicified breccia that contains visible gold mineralization. In Limerick, Aurum have reduced their ground holding down to two licences. Following encouraging results from geochemical and geophysical investigations, the company's exploration focus in the region has switched from gold to base metals. Aurum Mineral Resources also jointly hold five licences with **Ormonde Mining Plc** in southern Co. Wicklow, over an area hosting known tungsten mineralization.

Following detailed geophysics and stratigraphic studies, joint venture partners **Fractore** and Australian nickel producer **Mincor Resources** have commenced drilling for base metals on their 309km² licence block in Co. Tipperary. An initial stratigraphic hole has confirmed the location and depth of the prospective Waulsortian stratigraphy.

In September 2008, **Belmore Resources** announced that it had secured a 100% interest in six licences in Co. Clare, formerly held by Central Mining Finance. Belmore now holds a total of 11 licences in Co. Clare (covering a land area of 400km²) and an additional two licences in Co. Donegal. Earlier this year, a hole drilled by Belmore at the old Kilbrecken Silver Mine to test the base of the Waulsortian Reef, intersected 18 metres of massive sulphide at 440m depth. This intersection included an interval of 10m grading 13.84% Zn and 5.52% Pb.

El Nino Ventures Inc are exploring for carbonate-hosted Zn-Pb deposits in 13 licence areas across the Irish Midlands. The company have commenced a preliminary drilling programme that is testing coincident stratigraphic/structural targets on several of their licences.

Midas Mineral Resources have secured over 53 licences since the end of last year. Midas are exploring for a number of different deposit types including carbonate-hosted Zn-Pb in their Headford and Portlaoise project areas, volcanogenic massive sulphides in southeast Leinster, mesothermal gold/base metal skarns around Oughterard, sandstone-hosted base metal mineralization near Skibbereen and shear-hosted gold in Cos. Wexford and Wicklow.

Other companies actively exploring in Ireland include **Lundin Mining Exploration Ltd.**, who have commenced regional drilling on a number of their licences. **Oriel Selection Trust** continues to advance its exploration programme in Co. Mayo, over an area that includes the sub-economic copper deposit at Charlestown. **Hidefield Gold Plc** is prospecting for base metals, barytes and silver in Co. Sligo, whilst **Jadebay Ltd** continue to evaluate the base metal and gold potential of the Avoca region.

extension of the Rathdowney Trend, in Co. Tipperary, a block of three licences have been issued to **Lundin Mining Exploration Ltd** for base metals and barytes.

Other licences issued in 2008 include four awarded to **Teck Cominco (Ireland)** east of Lough Derg, Co. Tipperary (base metals, gold, silver, barytes and PGMs) and a block of eight granted to **Hidefield Gold** in northern Co. Sligo, including one licence over the former zinc-lead mine at Abbeytown. All of the latter's licences have been issued for base metals, barytes and silver.

Exploration and Mining Expenditures 2007

Based on figures provided by exploration and mining companies, exploration expenditure during the calendar year 2007 totalled €14.47 million. This was well ahead of the 2006 figure, when €10.87 million was spent. This figure is made up of expenditure of €10.6 million in Prospecting Licence areas ("greenfield" exploration) and €3.87 million in areas covered by State Mining Facilities ("brownfield" exploration).

The majority of the exploration expenditure in PL areas related to base metal exploration (€10.16M) with a lesser amount spent on gold exploration (€0.37M). The expenditure on exploration in State Mining Facilities was largely directed at base metals (zinc, lead), with a minority accounted for by exploration for gypsum. For the 2007 calendar year, Ireland accounted for approximately 3% of global zinc exploration expenditure.

A. Prospecting Licences

<i>Activity</i>	Base Metals €	Gold €	Other Minerals €	Total €
Geology	2,341,073	140,726	0	2,481,799
Geochemistry	412,674	142,631	0	555,305
Geophysics	958,636	27,335	0	985,971
Airborne Surveys	0	0	0	0
Drilling	6,075,202	62,298	0	6,137,500
Trenching	0	0	0	0
Environmental Studies	0	0	0	0
Other Costs (Includes consultancies, data acquisition, report writing, but excludes office overheads.	370,152	0	70,000	440,152
Total Expenditure (PL Areas)	10,157,737	372,990	70,000	(a) 10,600,727
Irish Office Overheads				1,075,341

B. State Mining Facilities (SMFs)

Exploration Expenditure:

Drilling	3,244,690
All other expenditure	623,888
Total Exploration Expenditure, SMFs	(b) 3,868,578

Total Exploration Expenditure in PLs and SMFs, excluding office overheads, i.e. (a) + (b)	€14,469,305
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Drilling statistics

Figures provided by Prospecting Licence holders indicate that a total of some 92,226 metres of drilling (non mine-related) was carried out during 2007, almost all of it for base metals (zinc, lead). In addition, some 49,000 metres of mine-related exploration drilling was completed. Again, almost all was carried out for base metals, at the three mines, Navan, Lisheen, and Galmoy.

Exploration Support

In recent years, the Exploration and Mining Division (EMD) has undertaken a number of data release initiatives to promote exploration in Ireland. The types of exploration data made available by the Division includes:

- **Exploration Company Reports.**

All non-confidential reports for current licences that are more than six years old and all reports relating to licences surrendered since 1st January 2000 are accessible from the following URL: <http://www.mineralsireland.ie/Available+Exploration+Data/Exploration+Company+Reports.htm>. To date, over 2000 company reports pertaining to more than 800 PL Areas have been published online.

- **Airborne Geophysics Data.**

Since 1995, in excess of 60 low-level, high resolution airborne geophysical surveys have been flown over Ireland. Much of this data and associated maps are available on request from EMD. They include structural interpretations of the north and north-eastern parts of the Irish Midlands that were produced by PGW Europe Ltd, as part of a Public-Private Partnership project with EMD.

- **Geospatial (GIS) Information**

Since 2001, EMD has progressively released much of its non-confidential spatial data into the public domain. This data can either be visualised online using an intuitive, user-friendly map viewer or downloaded by clients for incorporation into their own systems. Included amongst the spatial data available for download/viewing is an up-to-date PL Area status map, a hardcopy of which accompanies this publication. Other accessible datasets include retired PL Area boundary outlines, geology, boreholes, current and historic mines, mineral deposits, gold occurrences, environmental constraint areas and location maps at various scales (1:600,000 down to 1:10,560). To learn more about the variety of spatial data available from EMD and other Government Divisions (e.g. Geological Survey of Ireland, GSI; Petroleum Affairs Division, PAD), please visit <http://www.dcenr.gov.ie/Spatial+Data/DCENR+Spatial+Data.htm>.

- **Target Areas Data**

This initiative provides focused compilations of digital data on particular commodities or specific areas of the country. Four 'Target Area' CD/DVDs have been released (1) Gold in Ireland, (2) The Ballinalack Zn-Pb Deposit, (3) Cregganbaun and Adjacent Gold Target Areas, (4) The Silvermines Zn-Pb District. Each product contains relevant GIS data, a free viewer for visualising the data, plus collections of exploration company reports and technical papers. Copies of all the products can be ordered from emd.info@dcenr.gov.ie.

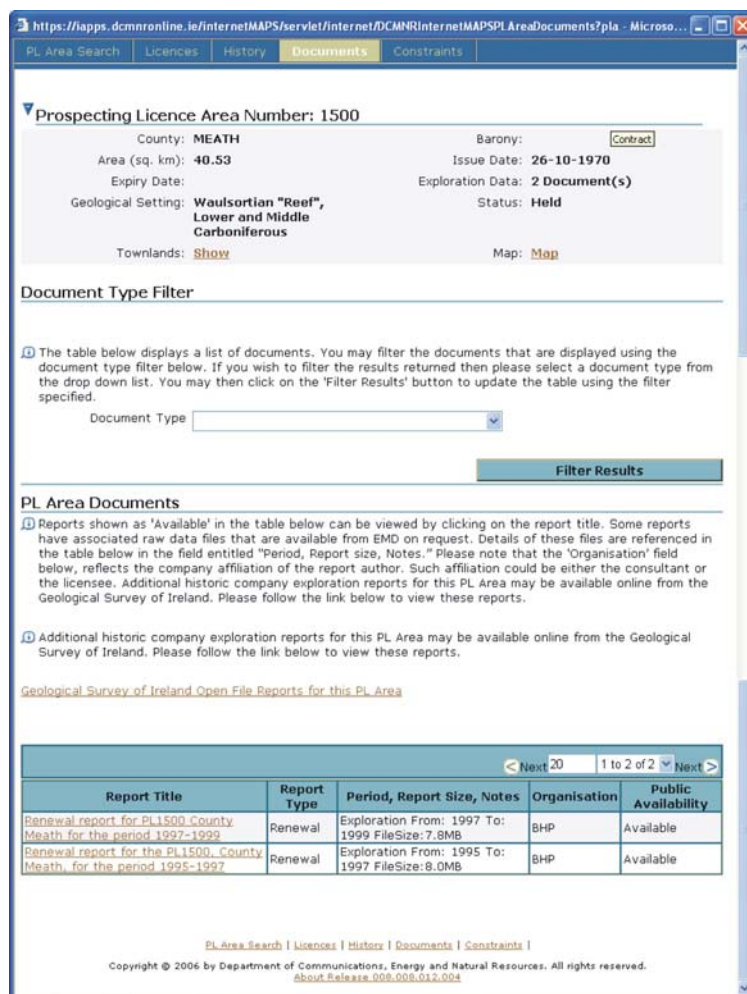
- **Bibliography of Irish Mineral Resources**

This bibliography, listing almost 1500 publications and selected reports relating to Irish Mineral Resources between 1750 and 2008, has recently been added to EMD's website (<http://www.minex.ie/Exploration/Bibliography.htm>). The references themselves are not available from EMD, though many can be accessed by visiting the Geological Survey of Ireland Library.

The common theme in all of EMD's Data Release Initiatives has been the provision of digital data, **free of charge**. Continuing on this practice, a collaborative project between EMD, GSI and the Information Services Division (ISD) of DCENR, has resulted in thousands of older exploration company documents stored in the Survey's 'Open File,' being made available through the internet. Under this new initiative, exploration clients can access company reports dating back 40 years or more, via either a map-based interface or a simple text entry screen. Using the latter, clients can enter a current (or retired) PL Area number to establish which organization holds data on the PL Area of interest. If GSI holds data on the area, users are readily able to hyperlink into the Survey's online '**Document Management System**,' that permits them to select and download documents of interest (primarily reports submitted prior to 2000). Alternatively, should data be available from EMD, clients

are directed towards “**internet MAPS;**” a back-office facility that provides clients with a view into the Division’s corporate database. Users are automatically presented with a screen (see graphic below) that lists all relevant exploration company reports, together with summary information on the PL Area of interest (e.g. Status of PL Area [Held/Open, etc], PLA Start/Retirement Date, Townland Information, County, Simplified Geological Setting, and Size of PL Area in square km). From this initial screen, users can easily tab into a number of other screens that display:

- Information on current and former Prospecting Licence holders,
- Retired licence area numbers that have been superseded by later areas.
- Environmental constraint information relevant to the PL Area in question (e.g. Special Protection Areas, Special Areas of Conservation, National Heritage Areas, National Parks, Historic Monuments, Forestry Areas, etc.).



Screen Capture Showing Types of Information Available from Internet MAPS

This latest data initiative is already ‘live.’ To check it out for yourself, please visit: <http://www.dcenr.gov.ie/Spatial+Data/DCENR+Spatial+Data.htm>. Any feedback on this site or suggestions for improvement will be warmly received. Comments may be forwarded to emd.info@dcenr.gov.ie.

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 1st January 2000 on the **www.mineralsireland.ie** website. Data relating to over 700 PL areas, including those in the current PL competition, are now available.

ADDRESSES OF COMPANIES HOLDING STATE FACILITIES

A. Prospecting Licences

Anglo American Lisheen Mining Limited

The Lisheen Mine
Killoran,
Moynes
Thurles
Co. Tipperary

Aurum Mineral Resources Ltd.,

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

Boliden Tara Mines Ltd.

Knockumber House
Knockumber
Navan
Co. Meath

Belmore Resources Limited

103 Rathfarnham Wood
Dublin 14

BHP World Exploration Inc.

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

Clare Calcite Ltd.

Block 10 Unit 3
Blanchardstown Corporate Park
Dublin 15

Connemara Mining Co. Ltd.

162 Clontarf Road
Dublin 3

Conroy Diamonds and Gold Plc

10 Upper Pembroke Street
Dublin 2

Dan Morrissey (Ireland) Ltd.

Bennekerry House,
Carlow

El Nino Ventures Inc,

2303 West 41st Avenue,
Vancouver BC,
Canada
V6M 2A3

Exploration and Discovery Ltd

18 Fitzwilliam Place,
Dublin 2.

Fractore Pty. Ltd.

11 French Street
Camberwell
Victoria 3124
Australia

Gary Brown

c/o Ms Inez Cullen
McEvoy Partners
Connaught House
Burlington Road
Dublin 4

Hidefield Gold Plc

30 Farringdon Street
London EC4A 4HJ
England

Jadebay Ltd

9 Marine View
Phoenix Terrace
Blackrock
Co. Dublin

Kellys of Fantane

c/o Roger Kelly and Sons Ltd.
Fantane
Borrisoleigh
Thurles
Co. Tipperary

Kenmare Resources Plc.

Chatham House
Chatham Street
Dublin 2

Midas Mineral Resources Ltd

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

Mincor Resources NL,

Level 1, 56 Ord Street
West Perth, WA 6005
Australia

Oriel Selection Trust Ltd.

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

Ormonde Mining Plc.

Ormonde House,
Metges Lane
Navan,
Co. Meath

Teck Cominco Ireland Ltd.

5 Wentworth Place,
Wicklow,
County Wicklow

Westland Exploration Ltd.

162 Clontarf Road
Dublin 3

Lundin Mining Exploration Ltd.

Castletown
Galmoy
Crosspatrick (via Thurles)
Co. Kilkenny

Minco Ireland Ltd.

c/o Ms Inez Cullen
McEvoy Partners
Connaught House
Burlington Road
Dublin 4

Mineral Estates (Ireland) Ltd.

c/o W. A. Exploration Services Pty Ltd
22 Montes Square
Riverton
Western Australia 6148
Australia

Ormonde Brick Ltd.

Castlecomer
Co. Kilkenny

Rennicks and Bennett Ltd.

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

V P Power Ltd.

6 Northbrook Road
Dublin 6

B. Mining Facilities

Anglo American Lisheen Mining Ltd.

The Lisheen Mine
Killoran,
Moyne
Thurles
Co. Tipperary

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.,

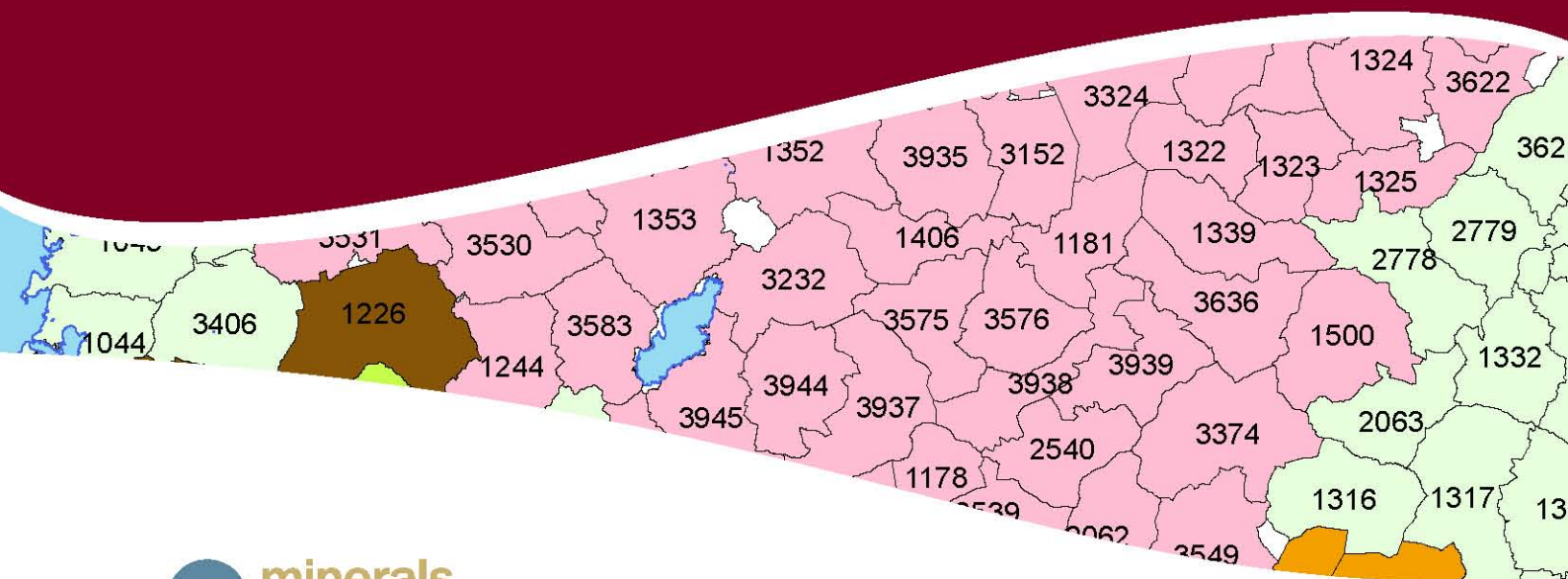
Killoran.
Moyne,
Thurles,
Co Tipperary

Lisheen Milling Ltd.

41/45 St. Stephen's Green
Dublin 2

Ormonde Brick Ltd.

Castlecomer
Co. Kilkenny



Exploration and Mining Division, Department of Communications, Energy and Natural Resources,
 Beggars Bush, Haddington Road, Dublin 4, Ireland. Tel: + 353-1-6782000 Fax: + 353-1-6609627 Email: EMD.info@dcentr.gov.ie
www.mineralsireland.ie