

**CURRENT STATE MINING AND  
PROSPECTING FACILITIES AND AREAS  
OPEN FOR APPLICATION UNDER  
COMPETITION**

**1st MAY, 2004**

**Department of Communications, Marine and  
Natural Resources**

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**EXPLORATION AND MINING DIVISION  
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### **MAP (in back pocket)**

STATE MINING AND PROSPECTING AREAS, 1<sup>st</sup> May, 2004

(Note: a 1:750,000 black and white version with the O.S. 1:10,560 map sheet numbers is available free on request.)

**ALL INFORMATION AND MAP DATA also available on [www.minex.ie](http://www.minex.ie)**

# GROUND STATUS AND APPLICATION PROCEDURE

All current prospecting and mining facilities, together with their geographical location (by reference to the relevant Ordnance Survey 1 : 10,560 maps), names of the licensees, and with reference to prospecting licences, the details of the minerals for which they are issued, are included in this booklet. The accompanying coloured map also indicates the locations of these prospecting licences and mining facilities as well as displaying ground which is available for application, either by competition (closing date 30<sup>th</sup> June, 2004) or at any time.

## Ground Available

The available prospecting licence areas are differentiated on the accompanying map as follows:

- Open ground: ground which has not been subdivided into licence areas and which is available for application at any time is left blank, and coloured green.
- Open areas: (a) Established licence areas available for application at any time. These are identified by their number and the same colour as open ground (green); (b) Those current prospecting licences (pink) and recently offered licences which are restricted to certain minerals (p.8). Such ground is therefore available for application for other minerals.
- Competition areas: Areas which have been recently surrendered, or have been offered and declined, are indicated by their number and a yellow colour: Applications received by **30<sup>th</sup> June, 2004**, will be subsequently considered without any regard to time priority.

### • 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 cheap "grass roots" exploration in order to :

- Encourage work in currently available Prospecting Licence areas where results of earlier exploration had failed to produce sufficient encouragement to the licensee,
- Stimulate interest in ground which is not at present regarded as particularly prospective,
- Allow for the evaluation, at low cost, of new exploration ideas.

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) **Currently licensed areas for certain minerals**, but available for exploration for other minerals, and
- (iii) **Open Ground**, namely ground which has not yet been licensed.

The relevant Open Areas are shown 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 8-17

**Open Areas Available For Over Four Years:** Where a previously issued Prospecting Licence area has been available for application for at least four years, the licence will be granted for a term of six years. A reduced fee of €1,250 per Prospecting Licence will apply, payable in advance for each

phase as €375 for each of the first and second two-year phases and €500 for the third two-year phase. This represents a reduction of €1,875 (60%) in fees compared to the standard requirements.

FEES (IR£)	Standard Euro	Incentive Areas	
		Open Ground Euro	Open/Licensed Areas Euro
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>EXPENDITURE (€)</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 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 be higher than those for metalliferous minerals.

**Currently Licensed Areas:** This category is available for companies who wish to undertake exploration over currently held ground for minerals that are not assigned to the current prospecting licence holder. Such additional prospecting licences will however only be issued where the Minister for Communications, Marine and Natural Resources is satisfied that there will be no clash of mineral interests, in line with current practice. The current prospecting licence holder will continue to have a standing Statement of Interest for all other minerals in that area. The fee and 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 which is shown on the accompanying map as never having been licensed, the licence will be for a term of six years. The same reduced fees as for the 'Open Areas' incentive category above 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 same minimum expenditure requirements will also apply,

## 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 which have been offered** to the applicant. These are indicated by their reference number and a brown colour.
- Licence areas which are currently not being made available for application. These are indicated by their reference number and an brown colour.

- Licences which had been available under earlier competition, and for which applications had been received prior to the closing date of the competition. These are indicated by their reference number and a peach colour.
- Excluded areas. These are areas which are not available for application at any time.

## Application Procedures

While applications are invited for all categories of available ground, it should be appreciated that some areas may have been already applied for and that, as previously, 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 have been prior applications for the area(s). 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 any facilities.

When 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 (see page 2), these will be taken as the minimum expenditure commitment when the ground is offered to the successful applicant.

All applications for prospecting licences must be made to:-

The Secretary General  
 Department of Communications, Marine 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 provided at the end of this publication. Further copies are available from the above address, or photocopies of the form may be used. All payments must be in Euros, and cheques and bank drafts drawn on a bank branch located in the Republic of Ireland. Eurocheques for amounts less than €1,000 are also acceptable. All cheques and bank drafts should be made payable to "The Department of Communications, Marine and Natural Resources" and endorsed "Account payee only"

At the present time applicants can anticipate that the Prospecting Licence will be issued within four months of the application date (or 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 which 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 (see page 45). 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 reconnaissance surveys. During the reconnaissance stage, only work of a regional nature may be carried out i.e. work which is designed to assist the company in the selection of areas for which application will be made.

A company which 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 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 and approved by prior agreement.

- **General**

On registering a Statement of Interest with the Exploration and Mining Division, the reasons for such interest should be given. If the interest is based on the fact that the company is carrying out reconnaissance work, the results of this work should be included with any subsequent Prospecting Licence application (in so far as the results would be relevant to the application). These results 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, Marine 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

The Prospecting Licence (PL) Competitions are held every **three months**. The competition relates to licences which have been surrendered or terminated, or that have been offered but declined, in the previous three months. Interested parties have **two months** in which to apply for competition areas, 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 continue to 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 and 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, therefore, be retained as a reference source for prospecting licence areas listed in the following interim competition.

## Prospecting Licence Areas

**These prospecting licence areas are open for application under equal competition until 30<sup>th</sup> June 2004.**

- Areas for which licences were current on the 12<sup>th</sup> January 2004, but have become available in the period to 14<sup>th</sup> April 2004, and areas that were offered but were subsequently declined in the same period. They are shown on the map in yellow.

2	Galway	2685	Galway	3431	Limerick
449	Limerick	2687	Galway	3692	Galway
450	Limerick	2927	Limerick	3860	Cork
2531	Limerick	3367	Limerick	3862	Galway
2638	Limerick				



# CURRENT STATE MINING AND PROSPECTING FACILITIES

## State Mining Facilities

### • Mining Leases

Ref:	Lessee	Issued	County	O.S. 6"	Valid To
M17	Joyces Marble Quarries	01.10.33	Galway	36	30.09.2032
M23	Flemings Fireclays Manufacturing Ltd.	01.03.35	Laois	25,31	29.02.2032
M30	Connemara Marble Products Ltd.	01.11.37	Galway	23	31.10.2034
M37	Flemings Fireclays Manufacturing Ltd.	14.11.40	Laois	31	13.11.2039
M79	Joyces Marble Quarries	01.12.57	Galway	36	30.11.2056
M100	Roadstone Provinces Ltd.	01.01.69	Kilkenny	20,24	31.12.2008
M115	Flynn & Lehany Coal Mines Ltd.	01.10.70	Roscommon	1,2	31.03.2043
M116	Tara Mines Ltd.	01.09.75	Meath	25	31.08.2010
M137	Ormonde Brick Ltd.	31.01.97	Kilkenny	6	30.01.2012
M139	Irish Gypsum Ltd.	12.11.02	Monaghan Cavan	31,33,34 29, 35	11.11.2032
M140	Minorco Lisheen Mining Ltd. Ivernia Lisheen Mining Ltd. Lisheen Milling Ltd.	07.10.97	Tipperary	36	06.10.2027

### • Mining Permissions

None.

### • Mining Licences

SML1	Arcon Mines Ltd.	03.02.95	Kilkenny	3,8	02.02.2016
SML2	Tara Mines	03.07.98	Meath	25	31.08.2010
SML3	Tara Mines	03.07.98	Meath	25	31.08.2010
SML4	Tara Mines	11.09.00	Meath	25	31.08.2010
SML6	Arcon Mines Ltd	29.08.02	Kilkenny	3,8	02.02.2016

Further details concerning the individual State Mining Facilities (minerals, consideration fees, etc.) are provided in the six monthly reports by the Minister for Communications, Marine and Natural Resources in accordance with the Minerals Development Acts, 1940-1999.

## Prospecting Licences

All prospecting licences are restricted to certain minerals and hence available for application for other minerals (although the current holder is deemed to have a standing Statement of Interest for all these other minerals). The licenced minerals are abbreviated as follows: Base metals (Bm); Barytes (b); Gold (g); Silver (s).

PL No.	Licensee	Start	County	O.S. 6"	Minerals
4	Navan Resources Plc	30/06/97	Galway	6,116,117,125	Bm, b, s
134	Navan Resources Plc.	29/02/00	Galway	98,106	Bm, b, s
184	Tara Mines Ltd .	20/01/95	Longford	14,19	Bm, b, s
185	Tara Mines Ltd.	14/10/99	Longford	18,19,22,23	Bm, b, s
468	Asarco Exploration Inc.	29/07/02	Tipperary Limerick	65,6641	Bm, b, s
480	Arcon International Resources Plc.	22/09/94	Offaly	7,14,15	Bm, b, s
481	Arcon International Resources Plc.	22/09/94	Offaly	14,15,22	Bm, b, s
505	Westland Exploration Ltd.	22/06/85	Westmeath	30,36	Bm, b, s
506	Westland Exploration Ltd.	22/06/85	Westmeath Offaly	30,35,366,7	Bm, b, s
541	Navan Resources Plc./CEC Irel. Ltd	03/04/95	Galway	117,118,126,127	Bm, b, s, g
580	Tara Mines Ltd.	19/05/88	Longford	13,18	Bm, b, s
581	Tara Mines Ltd.	28/12/93	Longford	18,22	Bm, b, s
582	Arcon International Resources Plc.	19/06/91	Longford	22,23,26	Bm, b, s
586R	Arcon Exploration Plc.	26/10/81	Laois Kilkenny	28,33,343,8	Bm, b, s, g
600	Asarco Exploration Inc.	04/09/00	Kildare	17,22	Bm, b, s
626	Minco Ireland Ltd.	06/06/94	Tipperary	4,5,7,8	Bm, b, s
627	Minco Ireland Ltd.	06/06/94	Tipperary	7,8,10,11	Bm, b, s
635	Minco Ireland Ltd.	06/12/96	Limerick	13,14,22	Bm, b, s
636	Minco Ireland Ltd.	06/12/96	Limerick	6,13,14	Bm, b, s
643	Tara Mines Ltd.	20/04/95	Galway	106	Bm, b, s, g
649A	Minco Ireland Ltd	26/07/82	Offaly	35	Bm, b, s
666	Tara Mines Ltd.	04/03/91	Longford	9,14,15,19,20	Bm, b, s
754	Arcon Exploration Plc.	20/02/87	Laois	27,28,33,34	Bm, b, s
767	Navan Resources Plc.	30/04/01	Galway	100,101,108	Bm, b, s
786	Tara Mines Ltd.	01/05/91	Limerick	21,30	Bm, b, s
1183	Tara Mines Ltd.	10/03/00	Wexford	34,39	Bm, b, s, g
1185	Tara Mines Ltd.	10/03/00	Wexford	35,40	Bm, b, s, g
1188	Tara Mines Ltd.	10/03/00	Wexford	31,35,36	Bm, b, s, g
1190	Tara Mines Ltd.	10/03/00	Wexford	25,31	Bm, b, s, g

PL No.	Licensee	Start	County	O.S. 6"	Minerals
1191	Tara Mines Ltd.	10/03/00	Wexford	19,25,26, 31,32	Bm, b, s, g
1192	Tara Mines Ltd.	10/03/00	Wexford	20,21,26, 27,32	Bm, b, s, g
1193	Tara Mines Ltd.	10/03/00	Wexford	19,20,26	Bm, b, s, g
1194	Tara Mines Ltd.	10/03/00	Wexford	20,26	Bm, b, s, g
1196	Tara Mines Ltd.	10/03/00	Wexford	15,20	Bm, b, s, g
1197	Tara Mines Ltd.	10/03/00	Wexford	15,16,20, 21	Bm, b, s, g
1198	Tara Mines Ltd.	10/03/00	Wexford	10,11,15, 16	Bm, b, s, g
1199	Tara Mines Ltd.	10/03/00	Wexford	11,16	Bm, b, s, g
1200	Tara Mines Ltd.	10/03/00	Wexford	6,7,11,12, 16,17	Bm, b, s, g
1201	Tara Mines Ltd.	10/03/00	Wexford	7,11,12,Bm, b, s, g 17	
1226	Westland Exploration Ltd.	16/05/68	Westmeath	17,23,24, 31	Bm, b, s
1228	Westland Exploration Ltd.	16/05/68	Westmeath	22,23,29, 30	Bm, b, s
1229	Westland Exploration Ltd.	16/05/68	Westmeath	23,30,35, 36	Bm, b, s
1302	Tara Mines Ltd.	28/06/94	Limerick	29,37	Bm, b, s
1303	Noranda Exploration Ireland Ltd.	25/01/99	Limerick	36,37,44, 45	Bm, b, s
1324	Tara Mines Ltd.	16/11/95	Meath	24,30,36	Bm, b, s
1341	Hereward Mining Plc.	14/10/97	Offaly	9,10,17,Bm, b, s 18	
1342	Hereward Mining Plc.	14/10/97	Offaly	9,10,18	Bm, b, s
1343	Hereward Mining Plc.	14/10/97	Offaly	17,18	Bm, b, s
1356	Conroy Diamonds & Gold Plc.	23/01/98	Monaghan	15,20	Bm, b, s, g, antimony
1357	Conroy Diamonds & Gold Plc.	23/01/98	Monaghan	15,20	Bm, b, s, g, antimony
1380R	Tara Mines Ltd.	31/12/70	Meath	24,25,30, 31	Bm, b, s, g
1440R	Westland Exploration Ltd.	23/10/72	Meath	17,18,24, 25	Bm, b, s
1450	Amcorp Ireland Ltd.	29/07/02	Dublin Meath	3,6 32,38,39, 44,45	Bm, b, s
1453R	Mineral Estates (Ireland) Ltd	18/09/96	Meath	32,33,38, 39	Bm, b, s, g
1454	Mineral Estates (Ireland) Ltd	18/09/96	Dublin	3,4	Bm, b, s, g
1476	Kenmare Resources Plc.	30/09/02	Carlow	14,17,18, 20, 21	Caesium,lithium tin, tantalum, tungsten
1489R	Tara Mines Ltd.	26/10/70	Meath	18,25,26, 31	Bm, b, s, g

<b>PL No.</b>	<b>Licensee</b>	<b>Start</b>	<b>County</b>	<b>O.S. 6"</b>	<b>Minerals</b>
1496	Rennicks and. Bennett Ltd	16/08/71	Meath	17,18,24, 25	Bm, b, s
1500	B.H.P. Minerals	14/12/95	Meath	41,42,47, 48	Bm, b, s, g, iron
1577	Central Mining Finance	28/02/96	Tipperary	41,47,48, 53,54	Bm, b, s, Calcite
1578	Central Mining Finance	28/02/96	Tipperary	41,42,47, 48	Bm, b, s, Calcite
1583	Tara Mines Ltd.	01/05/91	Limerick	11,12,20, 21,29,30	Bm, b, s
1584	Tara Mines Ltd.	28/06/94	Limerick	20,29,30, 37,38	Bm, b, s
1587	Navan Resources Plc./CEC Irel. Ltd.	14/12/95	Longford	10,11,15,	Bm, b, s, g 16
1588	Tara Mines Ltd.	28/03/90	Longford	9,10,14, 15	Bm, b, s
1597	Kenmare Resources Plc.	30/09/02	Carlow	24,25,26	Caesium,lithium tin, tantalum, tungsten
1604	Arcon Exploration. Plc	22/06/98	Kildare	9,10,13, 14	Bm, b, s, g
1607	Arcon Exploration Plc.	22/06/98	Kildare	12,17,18	Bm, b, s, g
1608	Asarco Exploration Inc.	06/04/01	Kildare	13,18,19	Bm, b, s
1624	Asarco Exploration Inc.	24/02/03	Offaly	26, 33, 34	Bm, b, s, iron
1630	Asarco Exploration Inc.	14/08/96	Kildare	8,9,12	Bm, b, s
1640	Asarco Exploration Inc.	31/10/00	Laois	4,5,8,9	Bm, b, s
1652	Ivernia West Plc. & Anglo American Lisheen Mining	28/05/87	Laois	22,23,28, 29	Bm, b, s
1653	Westland Exploration Ltd.	22/02/83	Laois	22,28,34	Bm, b, s
1661R	Tara Mines Ltd.	31/12/71	Meath	25	Bm, b, s, g
1813	Tara Mines Ltd.	10/03/00	Wexford	3,6,7,7A, 7B,12	Bm, b, s, g
1870	Conroy Diamonds & Gold Plc.	10/04/97	Monaghan	14,15,19, 20	Bm, b, s, g
1940	Noranda Exploration Ireland Ltd.	25/01/99	Cork	1,2,3	Bm, b, s
1942	Noranda Exploration Ireland Ltd.	14/01/99	Limerick	29,37	Bm, b, s
1943	Noranda Exploration Ireland Ltd.	20/11/00	Limerick	37,38,45	Bm, b, s
1946	Noranda Exploration Ireland Ltd.	25/01/99	Limerick	37,38,45, 46	Bm, b, s
1947	Noranda Exploration Ireland Ltd.	25/02/99	Limerick	38,39,46, 47	Bm, b, s

<b>PL No.</b>	<b>Licensee</b>	<b>Start</b>	<b>County</b>	<b>O.S. 6"</b>	<b>Minerals</b>
1948	Tara Mines Ltd.	11/07/02	Limerick	39,47	Bm, b, s, g
1949	Tara Mines Ltd.	27/05/87	Limerick	39,40,47, 48,55	Bm, b, s
2016	Minco Ireland Ltd.	26/07/76	Offaly	35,38,38A, 47	Bm, b, s
2069	Ivernia West Plc. & Anglo American Lisheen Mining	28/05/87	Tipperary	35,41	Bm, b, s
2092	Navan Resources Plc.	27/09/00	Galway	87,99	Bm, b, s
2093	Navan Resources. Plc	30/04/01	Galway	87,88,99, 100	Bm, b, s
2096	Sabina Resources Ltd.	27/05/99	Galway	85,86,97, 98	Bm, b, s
2097	Sabina Resources. Ltd	27/05/99	Galway	96,97,105	Bm, b, s
2100	Navan Resources Plc.	29/02/00	Galway	98,99,106, 107	Bm, b, s
2105	Navan Resources Plc.	30/04/01	Roscommon	53,53A,54, 56	Bm, b, s
2140	Conroy Diamonds & Gold Plc.	27/09/00	Cavan	16,17,21, 22	Bm, b, s, g
2193	Conroy Diamonds & Gold Plc.	23/01/98	Monaghan	19,20,24, 25	Bm, b, s, g
2194	Conroy Diamonds & Gold Plc.	11/07/96	Monaghan	10,14	Bm, b, s, g
2218	Ivernia West Plc. & Anglo American Lisheen Mining	28/05/87	Laois	23,29	Bm, b, s
2239	Minco Ireland Ltd.	28/07/03	Wicklow	40, 45	Bm, b, s, g
2254	Conroy Diamonds & Gold Plc.	23/01/98	Monaghan	9,10	Bm, b, s, g, antimony
2258	Ivernia West Plc. & Anglo American Lisheen Mining	28/05/87	Tipperary	29,30,35, 36	Bm, b, s
2351	Tournigan Gold Corporation	11/09/03	Donegal	53, 54, 61, 62	Bm, s, g
2354	Tournigan Gold Corporation	11/09/03	Donegal	53, 60, 61, 68, 69	Bm, s, g
2357	Tournigan Gold Corporation	11/09/03	Donegal	69, 70, 77, 78	Bm, s, g
2358	Tournigan Gold Corporation	11/09/03	Donegal	69, 70, 78 79	Bm, s, g
2359	Tournigan Gold Corporation	11/09/03	Donegal	78, 79, 87	Bm, s, g
2396	Aurum Exploration	13/01/03	Mayo	85, 86, 95, 96	Gold, silver
2447	Ivernia West Plc. & Anglo American Lisheen Mining	28/05/87	Tipperary	29,35,36, 41	Bm, b, s

<b>PL No.</b>	<b>Licensee</b>	<b>Start</b>	<b>County</b>	<b>O.S. 6"</b>	<b>Minerals</b>
2448	Ivernia West Plc. & Anglo American Lisheen Mining	28/05/87	Tipperary	35,36,41,42	Bm, b, s
2512	Glencar Explorations Plc.	15/01/92	Laois	14,18,19	Bm, b, s
2522	Hereward Mining Plc.	14/10/97	Offaly	18,25,26	Bm, b, s, gemstones
2529	Minco Ireland Ltd.	06/12/96	Limerick	14,15,23,24	Bm, b, s
2530	Minco Ireland Ltd.	13/11/95	Limerick	15,23,24	Bm, b, s
2551	Irish Marine Oil Plc.	01/03/94	Wexford	5,6,11	Gold
2554	Irish Marine Oil Plc.	05/12/94	Wexford	4,5,9,10	Gold
2558	Irish Marine Oil Plc.	05/12/94	Wicklow	46,47	Gold
2579	BHP World. Exploration Inc	25/06/98	Limerick	11,20	Bm, b, s, g
2594	Noranda Exploration Ireland Ltd.	20/11/00	Limerick	44,45,53	Bm, b, s
2654	Asarco Exploration Inc.	29/07/02	Tipperary	66,73	Bm, b, s
2670	Minco Ireland Ltd	25/11/85	Offaly	35,36,38,39	Bm, b, s
2671R	Arcon Exploration Plc.	12/08/98	Offaly	30,31,35,36	Bm, b, s
2683	Conroy Diamonds & Gold Plc.	15/07/96	Monaghan	9,10,13,14	Bm, b, s, g
2686	Navan Resources Plc.	30/04/01	Galway	99,100,107,108	Bm, b, s
2696	BHP World Exploration Inc.	23/06/98	Limerick	4,12	Bm, b, s, g
2702	Hereward Mining Plc.	14/10/97	Offaly	17,18,25,26	Bm, b, s, gemstones
2760	Sabina Resources Ltd.	27/05/99	Galway	97,98,105,106	Bm, b, s
2782	Hereward Mining Plc.	14/10/97	Offaly	16,17,24	Bm, b, s, gemstones
2827	Conroy Diamonds & Gold Plc	27/09/00	Cavan	24,25,30,31	Bm, b, s, g
2835	BHP World. Exploration Inc	28/06/98	Limerick	4,11,12,20,21	Bm, b, s, g
2840	Arcon International Resources Plc.	19/12/86	Limerick	24,25,32,33,33A	Bm, b, s, g
2845	Noranda Exploration Ireland Ltd.	14/01/99	Tipperary Limerick	57 28,36	Bm, b, s
2850	Noranda/Minco	17/07/01	Limerick	7,8,15	Bm, b, s
2859	Arcon International Resources Plc.	17/08/81	Offaly	31,32,36,37,39	Bm, b, s
2866	Hereward Mining Plc.	14/10/97	Westmeath	38,40	Bm, b, s, gemstones
2895	Central Mining Finance	01/03/93	Clare	27,28,35,36	Bm, b, s

<b>PL No.</b>	<b>Licensee</b>	<b>Start</b>	<b>County</b>	<b>O.S. 6"</b>	<b>Minerals</b>
2964	Cambridge Mineral Resources	30/08/96	Donegal	11,20,21	Gem minerals
3007	Cambridge Mineral Resources	21/05/97	Donegal	5,12,13	Gem minerals
3008	Cambridge Mineral Resources	06/08/99	Donegal	12,13,22	Gem minerals
3027	Conroy Diamonds & Gold Plc	20/08/98	Monaghan	19,24,25	Bm, b, s, g antimony
3028	Conroy Diamonds & Gold Plc	15/07/96	Monaghan	13,14,18 19	Bm, b, s, g,
3040	Tournigan Gold Corporation	11/09/03	Donegal	94, 95, 100, 101	Bm, s, g
3056	Cambridge Mineral Resources	21/05/97	Donegal	1,4	Bm, b, s, g gem minerals
3062	Cambridge Mineral Resources	21/05/97	Donegal	11,12,20, 21	Gem minerals
3063	Cambridge Mineral Resources	04/10/99	Donegal	20,21,30, 31	Gem minerals
3063	Tournigan Gold Corporation	11/09/03	Donegal	20, 21, 30 31	Bm, s, g
3065	Conroy Diamonds & Gold Plc	20/08/98	Monaghan	12,13,17, 18	Bm, b, s, g antimony
3066	Conroy Diamonds & Gold Plc.	20/08/98	Monaghan	13,18	Bm, b, s, g, antimony
3068	Conroy Diamonds & Gold Plc.	27/09/00	Monaghan	17,18,22, 23	Bm, b, s, g, gem minerals
3093	Tournigan Gold Corporation	11/09/03	Donegal	62, 63, 70 71	Bm, s, g
3094	Cambridge Mineral Resources	06/08/99	Donegal	12,13,21, 22	Gem minerals
3095	Tournigan Gold Corporation	11/09/03	Donegal	30, 39, 39a	Bm, s, g
3115	Minco Ireland Ltd.	25/11/85	Offaly	35	Bm, b, s
3123	Tournigan Gold Corporation	11/09/03	Donegal	61, 62, 69 70, 79	Bm, s, g
3130	Conroy Diamonds & Gold Plc	27/11/96	Cavan	21,25,26	Bm, b, s, g
3131	Conroy Diamonds & Gold Plc.	27/09/00	Cavan	21,26	Bm, b, s, g
3156	Minco Ireland Ltd.	16/04/87	Tipperary	20,21,26, 27	Bm, b, s
3217	Tournigan Gold Corporation	11/09/03	Donegal	70, 71, 79 79, 88 Plc.	Bm, s, g
3218	Amcorp Ireland Ltd.	29/07/02	Dublin	7,8,11,12	Bm, b, s
3219	Amcorp Ireland Ltd.	29/07/02	Dublin	4,5,7,8	Bm, b, s
3220	Mineral Estates (Ireland) Ltd	18/09/96	Dublin	4,5,8	Bm, b, s, g
3221	Mineral Estates (Ireland) Ltd	01/07/98	Dublin	1,2,4,5	Bm, b, s, g
3224	Tournigan Gold Corporation	11/09/03	Donegal	78, 79, 87, 88	Bm, s, g

<b>PL No.</b>	<b>Licensee</b>	<b>Start</b>	<b>County</b>	<b>O.S. 6"</b>	<b>Minerals</b>
3245R	Arcon Exploration	19/12/86	Kilkenny	3,7,8,12	Bm, b, s, g
3246	Tara Mines Ltd.	05/12/86	Tipperary	36,42,43, 43A,48,49	Bm, b, s
3249	Tara Mines Ltd.	27/05/87	Limerick	39,40,47, 48,55	Bm, b, s
3261	Amcorp Ireland Ltd.	29/07/02	Meath	27,28,33,34	Bm, b, s
3262	Ivernia West Plc. & Anglo American Lisheen Mining	28/05/87	Tipperary	30,36,42	Bm, b, s
3264	Tara Mines Ltd.	10/03/00	Wexford	16,20,21,27	Bm, b, s, g
3268	Minco Ireland Ltd.	08/11/91	Limerick	15,16,24,25	Bm, b, s
3270	Conroy Diamonds & Gold Plc.	27/09/00	Cavan	19,20,24,25	Bm, b, s, g
3312	Arcon Exploration Plc.	04/08/87	Laois	29,34,35	Bm, b, s
3313	Arcon Exploration Plc.	04/08/87	Kilkenny	3,8,9,12	Bm, b, s
3318	Minco Ireland Ltd.	19/05/87	Tipperary	40,41,46,47	Bm, b, s
3321	Central Mining Finance	28/02/96	Tipperary	42,48	Bm, b, s, calcite
3332	Asarco Exploration Inc.	06/04/01	Kildare	13,14,18, 19	Bm, b, s
3342	Noranda Exploration. Ireland Ltd	21/05/99	Limerick	15,16,24	Bm, b, s
3344	Noranda Exploration Ireland Ltd.	25/05/99	Limerick	6,14,15	Bm, b, s
3345	Ormonde Brick Ltd.	14/09/98	Kilkenny	6	Coal, fireclay
3364	Tara Mines Ltd.	19/05/88	Longford	5,6,9,10	Bm, b, s, g
3366	Tara Mines Ltd.	27/04/88	Limerick	30,31,38	Bm, b, s
3368	Tara Mines Ltd.	27/04/88	Limerick	21,22,30,31	Bm, b, s
3369	Tara Mines Ltd.	27/04/88	Limerick	21,30,31	Bm, b, s
3373	Tara Mines Ltd.	01/03/93	Meath	11,16,17, 23,24	Bm, b, s
3400	Conroy Diamonds & Gold Plc.	27/11/96	Cavan	25,26,31, 32	Bm, b, s, g
3404	Tara Mines Ltd.	10/09/97	Kilkenny	1,8,9,12, 13,17,18	Bm, b, s
3414	Conroy Diamonds & Gold Plc.	27/09/00	Cavan	30,31,37, 38	Bm, b, s, g
3425	Minco Ireland Ltd.	05/03/93	Tipperary	14,20	Bm, b, s
3463	Tara Mines Ltd.	10/03/00	Wexford	39,40,44, 45	Bm, b, s, g
3464	Tara Mines Ltd.	10/03/00	Wexford	34,35,39, 40	Bm, b, s, g
3465	Tara Mines Ltd.	10/03/00	Wexford	30,34,35	Bm, b, s, g
3466	Tara Mines Ltd.	10/03/00	Wexford	30,31,35, 36	Bm, b, s, g
3469	Conroy Diamonds & Gold Plc	27/09/00	Monaghan	17,22	Bm, b, s, g

<b>PL No.</b>	<b>Licensee</b>	<b>Start</b>	<b>County</b>	<b>O.S. 6"</b>	<b>Minerals</b>
3475	Navan Resources Plc.	01/09/97	Offaly	1,21,29	Bm, b, s
3476	Tara Mines Ltd.	24/02/03	Tipperary	3,4,6,7	Bm, b, s
3477	Navan Resources Plc	01/09/97	Tipperary	1,3,4	Bm, b, s
3488	Tara Mines Ltd.	02/05/88	Limerick	11,19,20,28,29	Bm, b, s
3489	Tara Mines Ltd	02/05/88	Limerick	11,20,29	Bm, b, s
3496	Cambridge Mineral Resources Plc.	30/08/96	Donegal	4,5,11,12	Gem minerals
3507	Navan Resources Plc.	29/04/02	Galway	108,108,118	Bm, b, s
3508	Central Mining Finance	16/11/98	Clare	43,51,52	Bm, b, s, calcite flourite
3526	Conroy Diamonds & Gold Plc.	27/09/00	Cavan	36,37,41	Bm, b, s, g
3545	Ovoca Resources Plc.	11/02/99	Limerick	19,28	Bm, b, s
3550	Noranda Exploration Irl. Ltd/Minco Irl. Ltd.	30/04/01	Clare	53,54,63,64	Bm, b, s
3552	Asarco Exploration Inc.	29/07/02	Tipperary	58,66	Bm, b, s
3562	Conroy Diamonds & Gold Plc	27/09/00	Cavan	20,21,25,26	Bm, b, s, g
3563	Conroy Diamonds & Gold Plc.	27/09/00	Cavan	15,26,20,21	Bm, b, s, g
3564	Conroy Diamonds & Gold Plc.	27/09/00	Cavan	12,16,17,21	Bm, b, s, g
3569	Minco Ireland Ltd.	13/10/88	Tipperary	41,47	Bm, b, s
3581	Tara Mines Ltd.	29/07/02	Limerick	32,33,40,41	Bm, b, s, g
3582	Tara Mines Ltd.	29/07/02	Limerick	40,41,48,49	Bm, b, s, g
3590	Tara Mines Ltd.	11/06/01	Wexford	7,12,17	Bm, b, s, g
3608	BHP World Exploration Inc	24/06/98	Limerick	10,11,19,20	Bm, b, s, g
3615	Navan Resources Plc.	30/06/97	Galway	106,107,116,117	Bm, b, s
3622	Tara Mines Ltd.	30/03/90	Meath	30,31,36,37	Bm, b, s
3633	Tara Mines Ltd.	03/06/93	Longford	8,9,13,14,18	Bm, b, s
3634	Tara Mines Ltd.	08/01/91	Longford	9,14	Bm, b, s
3643	Central Mining Finance	25/05/99	Clare	34,35,42,43,51,52	Bm, b, s
3647	Minco Ireland Ltd.	08/11/91	Tipperary Limerick	50,51,25	Bm, b, s
3650	Noranda Exploration Ireland Ltd.	25/01/99	Limerick	35,36,43,44	Bm, b, s
3651	Noranda Exploration Ireland Ltd.	20/11/00	Limerick	44,45,53,54	Bm, b, s
3660	Navan Resources Plc./CEC Irel Ltd.	10/05/95	Meath	15,16,22,	Bm, b, s, g 23
3662	Glencar Mining Plc.	21/08/98	Laois	13,18	Bm, b, s
3664	Amcorp Ireland Ltd.	29/07/02	Dublin	3,4,6,7	Bm, b, s

PL No.	Licensee	Start	County	O.S. 6"	Minerals
3665	Amcorp Ireland Ltd.	29/07/02	Dublin	6,7	Bm, b, s
3667	Ivernia West Plc. & Anglo American. Lisheen Mining	28/07/91	Laois	28,29,34, 35	Bm, b, s
3668	Minco Ireland Ltd.	20/01/92	Tipperary Offaly	14,16,20,21 44	Bm, b, s
3678	Minco Ireland Ltd.	11/03/92	Tipperary	9,10,14,15	Bm, b, s
3679	Clare Calcite Ltd.	27/10/91	Clare	34,42	Calcite
3688	Ivernia West Plc./ Minorco Lisheen Ltd.	09/01/97	Laois	29,30,35	Bm, b, s
3689	Asarco Exploration Inc.	29/04/02	Tipperary	70,77	Bm, b, s
3722	Minco/Pine Point - Westland/Getty	05/10/92	Westmeath	29	Bm, b, s
3727	Minco Ireland Ltd.	05/03/93	Tipperary	7, 8, 10, 11	Bm, b, s
3729	Central Mining Finance	01/03/93	Clare	19,20,27, 28	Bm, b, s
3777	Minco Ireland Ltd.	30/06/03	Kildare	19, 20, 24 25, 25a, 29	Bm, b, s, g
3782	Fractor Pty.	11/07/02	Tipperary	58,59,66,67	Bm, b, s
3785	Tara Mines Ltd.	07/03/94	Tipperary	48,54	Bm, b, s
3787	Central Mining Finance	08/06/94	Clare	26,27,33, 34,42	Bm, b, s
3788	Central Mining Finance	08/06/94	Clare	19,26,27, 34,35	Bm, b, s, calcite, fluorite
3789	Central Mining Finance	08/06/94	Clare	35,43	Bm, b, s
3807	Noranda Exploration Irl. Ltd./Minco Irl.Ltd	30/04/01	Limerick Tipperary	1 31,37	Bm, b, s
3820	Cambridge Mineral Resources	04/10/99	Donegal	20,30,31	Gem minerals
3820	Tournigan Gold Corporation	11/09/03	Donegal	20, 30, 31	Bm, s, g
3822	Tara Mines Ltd.	10/03/00	Wexford	25,30,31	Bm, b, s, g
3839	Navan Resources Plc./CEC Irel Ltd.	10/05/95	Meath	15,16,23	Bm, b, s, g
3840	Tara Mines Ltd.	20/04/95	Galway	98,105, 106	Bm, b, s, g
3846	Asarco Exploration Inc.	04/09/96	Kildare	11,12,13, 16,17	Bm, b, s
3849	Jadebay Ltd	11/06/98	Wicklow	30,31,35, 36,40	Bm, b, s, g
3850	Jadebay Ltd	11/06/98	Wicklow	30,35,40	Bm, b, s, g
3851	Tara Mines Ltd.	30/04/01	Meath	17,23,24,30	Bm, b, s
3853	Asarco Exploration. Inc	31/10/00	Laois	4,8,13	Bm, b, s
3854	Asarco Exploration Inc.	31/10/00	Offaly	26,27,33,	Bm, b, s
3856	Cambridge Mineral Resources Plc.	30/08/96	Donegal	2,3,4,5	Gem minerals

PL No.	Licensee	Start	County	O.S. 6"	Minerals
3857	Minco Ireland Ltd.	28/07/03	Wicklow/ Wexford	34, 35, 39, 40, 44 1, 2	Bm, b, s, g
3858	Ovoca Resources Plc.	17/01/97	Limerick	27,28,35, 36,43	Bm, b, s
3859	Ovoca Resources Plc.	17/01/97	Limerick	27.28.36	Bm, b, s
3861	Navan Resources Plc.	01/09/97	Galway	117,118	Bm, b, s
3863	Central Mining Finance	21/05/97	Clare	18,19,24, 26	Bm, b, s, calcite fluorite
3866	Asarco Exploration. Inc	18/06/97	Kildare	12,16,17, 21,22	Bm, b, s
3868	Hereward Mining Plc.	14/10/97	Offaly	17,24,25	Bm, b, s, gemstones
3869	Conroy Diamonds & Gold Plc	20/08/98	Monaghan	18,19,23, 24	Bm, b, s, g, antimony
3870	Conroy Diamonds & Gold Plc.	20/08/98	Monaghan	25,28	Bm, b, s, g, antimony
3871	Conroy Diamonds & Gold Plc.	20/08/98	Monaghan	24,25,27, 28	Bm, b, s, g, antimony
3875	Amcorp Ireland Ltd.	29/07/02	Meath	27,33	Bm, b, s
3891	Liam M. Brophy/ Peter Kealy	27/09/99	Laois	37	Coal, fireclay
3908	Noranda Exploration Irl. Ltd./Minco Irl. Ltd.	17/07/01	Limerick	5,6,13,14	Bm, b, s
3912	Tara Mines Ltd.	19/04/02	Meath	25	Bm, b, s
3913	Navan Resources Plc.	29/04/02	Galway	100,101, 108,109	Bm, b, s
3914	Navan Resources Plc.	29/04/02	Galway	100,101, 109	Bm, b, s
3920	Asarco Exploration Inc.	24.02.03	Offaly	18, 19, 26, 27	Bm, b, s, iron
3921	Tournigan Gold Corporation	11/09/03	Donegal	19, 20, 29 30	Bm, s, g
3922	Tournigan Gold Corporation	11/09/03	Donegal	29, 30, 38 39, 39a, 47	Bm, 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.

<b>PL No.</b>	<b>Licensee</b>	<b>County</b>	<b>Minerals</b>
350	Aurum Mineral Resources Ltd	Tipperary	Base metals, barytes, silver & gold
449	Aurum Mineral Resources Ltd	Limerick	Gold
450	Aurum Mineral Resources Ltd	Limerick	Gold
*786	Tara Mines Ltd	Limerick	Gold
*1302	Tara Mines Ltd	Limerick	Gold
*1583	Tara Mines Ltd	Limerick	Gold
*1584	Tara Mines Ltd	Limerick	Gold
*1949	Tara Mines Ltd	Limerick	Gold
2638	Aurum Mineral Resources Ltd	Limerick	Gold
2839	Aurum Mineral Resources Ltd	Tipperary	Base metals, barytes, silver & gold
2927	Aurum Mineral Resources Ltd	Limerick	Gold
*3249	Tara Mines Ltd	Limerick	Gold
*3366	Tara Mines Ltd	Limerick	Gold
3367	Aurum Mineral Resources Ltd	Limerick	Gold
*3368	Tara Mines Ltd	Limerick	Gold
*3369	Tara Mines Ltd	Limerick	Gold
**3647	Aurum Mineral Resources Ltd	Limerick/Tipperary	Gold
3824	Aurum Mineral Resources Ltd.	Limerick	Base metals, barytes, silver & gold
3923	Tara Mines Ltd	Limerick	Base metals, barytes, silver & gold
3924	Aurum Mineral Resources Ltd	Limerick/Tipperary	Base metals, barytes, silver & gold

\*These areas are already held by Tara Mines Ltd. for Base metals, barytes and silver.

\*\* This area is held by Minco Ireland Ltd. for Base metals, barytes and silver

## INDUSTRY NEWS

On the exploration front the historically low price of zinc until the last few months resulted in the curtailment of the majority of the base metal exploration programmes during 2003, with little change to date in 2004. The exceptions have been in areas in the immediate vicinity of the three zinc-lead mines viz. Navan, Galmoy and Lisheen. Concessions granted by the Minister for Communications, Marine and Natural Resources in 2002 for two years, and extended for a further one year period in 2004, have meant that Prospecting Licence holders will not be penalised for not meeting expenditure requirements during 2002-2004. Accordingly, licensees have been able to retain their properties during this severe downturn. However, in view of the recent upsurge in exploration globally it is expected these companies will resume exploration without delay should this improvement in the exploration climate be maintained. Ground application interest has already increased. There is a continuing interest in gold exploration, attributable to the rise in price of that metal, with both **Conroy Diamonds and Gold** and **Minco** active in this regard.

Zinc and lead mine production reached a new high for the country during 2003. Ireland's three base metal mines at Navan, Lisheen and Galmoy between them produced a total of 419,000 tonnes of zinc in concentrates. This represents 41% of European mine production, and 4.6% of world mine production. In addition, the three mines produced some 50,000 tonnes of lead in concentrate, accounting for 26% of European mine production, and 7.7% of world mine production.

The ownership of the Navan mine, the largest zinc mine in Europe, and employing some 700 people, was transferred at the end of 2003 from **Outokumpu** to **New Boliden**.

### Development

- **Navan (New Boliden)**

Production at the **New Boliden-Tara Mines** underground zinc-lead mine at Navan Co. Meath for 2003 amounted to 2.5Mt of ore grading 7.94%Zn and 1.68%Pb. The mine produced 335,000t of zinc concentrate (56.2 %Zn) and 47,000t of lead concentrate (62.3%Pb). Total production to date (1977-2003) is 57.7Mt grading 8.33%Zn and 2.05%Pb. At the end of 2003, Ore Reserves (Proven and Probable) were 16.9Mt grading 9.3%Zn and 2.0%Pb. In addition, Mineral Resources (Measured, Indicated and Inferred) totalled 20.7Mt grading 7.3%Zn and 2.1%Pb.

The Navan mine is the largest zinc mine in Europe, employing some 700 people. It has been owned since the end of 2003 by **New Boliden** and is operated by its wholly owned subsidiary, **Tara Mines**.

At the end of 2003, Tara submitted planning and mining facility applications for the development of the Nevinstown ore (the Bula mineralization), which comprises the northeastern, near-surface part of the Navan orebody. Additional drilling of this mineralization in 2003 increased the tonnage by over 1Mt, as Mineral Resources and Reserves were estimated in 2002 by Tara to be 8Mt grading 10% Zn and 2% Pb. In parallel with this work, a planning application was lodged and granted by Meath County Council in December 2003.

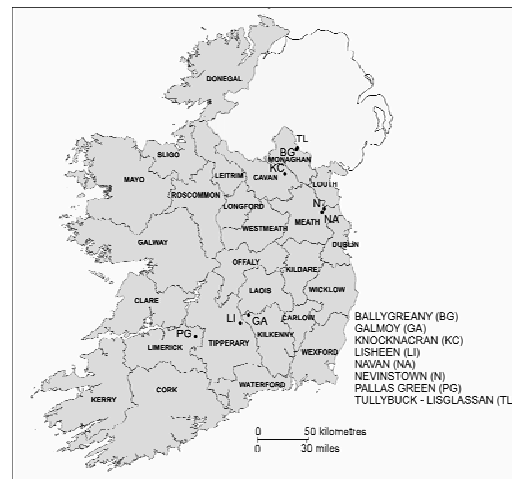
A major expansion continued on the southwest extension (SWEX) of the Navan orebody, discovered in the early 1990s. In late 2003, a lateral development programme of over 17km was completed. Civil engineering works and installation of a new crusher/conveyer system for the SWEX was completed in July 2003, and by November had processed over 0.5Mt of ore. On its completion, following the raise boring of two 650m vent raises in 2004/5, the SWEX Capital Project will have cost €58 million.

Tara Mines continues to explore for further extensions to the Navan orebody, where almost 20Mt of new resources have been discovered over the past 10 years. The principal targets include the extension of the SWEX, as well as around the Nevinstown and Liscarton areas (the latter acquired from Glencar in 2002), all of which adjoin the main orebody. Over 70% of Tara's exploration budget is spent on mine site exploration, with over 16km of surface exploration and delineation drilling completed in 2003.

- **Lisheen (Anglo American)**

During 2003 **Anglo American** mined 1.52 Mt of ore grading 12.30%Zn and 2.08 %Pb from its underground zinc-lead mine at Lisheen, Co. Tipperary. They produced 314,000t of zinc concentrate (53.9 %Zn), and 35,000t of lead concentrate (60.0%Pb). Total production to date (1999-2003) is 5.09Mt grading 11.63%Zn and 2.41%Pb. Reserves at end 2003 were 9.86Mt grading 12.41%Zn and 2.14%Pb, with additional Resources of 0.89Mt grading 12.25%Zn and 1.12%Pb. In 2003, Anglo shipped its one millionth tonne of concentrate from Lisheen.

An €8M civil works programme to raise the impoundment height of the tailings management facility at Lisheen was successfully completed in 2003. The key project currently underway at Lisheen is the construction of a state-of-the-art paste backfill plant which, it is projected, will be commissioned by October 2004 and will cost some €11M to complete. The company has also commenced an aggressive exploration programme to discover satellite ore bodies that could be accessed from the current underground workings. **Anglo American** now wholly owns Lisheen mine, following its purchase of the 50% owned by **Ivornia West PLC**.



**County Map of Ireland showing locations mentioned in the text.**

- **Galmoy (Arcon Mines)**

During 2003, **Arcon Mines Ltd.** milled 660,000t of ore grading 11.27 %Zn and 2.66%Pb at their underground zinc-lead mine at Galmoy, Co. Kilkenny, and produced 119,000t of zinc concentrate (51.68%Zn). No lead concentrate was produced. Total production from 1997 to end 2003 was 3.8Mt grading 10.72%Zn and 1.41%Pb. Reserves at the end of December 2003 were 4.5Mt at 14.4%Zn and 4.4%Pb; this includes reserves of 2.1 Mt at 19.2 %Zn, 7.3%Pb and 62g/t Ag in the recently discovered R Zone. In December 2003, Kilkenny County Council announced their intention to grant planning permission for development of the R Zone, but the company has appealed the terms of the permission.

- **Knocknacran (Irish Gypsum Ltd.)**

Gypsum has been continually mined near Kingscourt, Co. Cavan since 1936, with a 2003 production figure of some 400,000t from the open cast mine at Knocknacran. In July 2003, **Irish Gypsum** submitted a Planning Application for a new underground gypsum mine at Drummond. The new mine

will be adjacent to the Knocknacran mine, and is within the area of the company's current State Mining Lease.

## Exploration

### • **Reduced Exploration Expenditure Concessions.**

In January 2004, in response to the continuing downturn in exploration, the Minister for Communications, Marine and Natural Resources announced his intention to extend concessions in relation to certain expenditure requirements for Prospecting Licence holders for a further one-year period.

The key concessions are:

- A moratorium on expenditure requirements for licences that fall due for renewal during 2004. The licensee will only be required to pay the relevant fees to retain their licences.
- A 'cap' on the required expenditure for the following two-year period of €20,000 per licence, for licences more than six years old.

A Prospecting Licence holder seeking these concessions will be required to submit a comprehensive report on all exploration carried out to date on each licence or block of licences, and will be required to advise as to whether they are seeking a joint venture partner for the ground. If a joint venture partner is being sought, the report will be made publicly available in the Exploration and Mining Division's exploration website, [www.minex.ie](http://www.minex.ie).

### • **Company Activities**

During the past six months, **Arcon International Resources** have continued to carry out exploration in the immediate vicinity of the company's underground zinc-lead mine at Galmoy. Exploration efforts are focused on previously identified gravity anomalies northeast of the R Zone, anomalies that are similar to that which led to the recent discovery of the R Zone.

**Conroy Diamonds and Gold Plc** has announced further results from their gold exploration in Co. Monaghan. Drilling at Ballygreany has outlined two zones of low-grade gold mineralisation. These zones are similar to, and correletable with, those encountered previously at Ballygreany during channel sampling of two trenches. The trenches are approximately 80m apart along strike, and returned a best value of 8m averaging 0.78g/t Au, with individual grab samples of up to 2.25g/t Au.

In February 2004, Conroy announced that SRK Consulting (UK) is to prepare a preliminary mineral resources estimate for the company's gold properties in Ireland. The study will place particular emphasis on Tullybuck-Lisglassan, Conroy's original focus in this region. SRK will also provide a 3-D model as an aid to further exploration. The consultants' report will incorporate a regional geological review of the company's wider exploration effort in the Longford-Down massif. The review will focus on identifying the structural features that control mineralization in the region.

In 2004, **Minco**, together with their joint venture partner **Noranda**, propose to undertake a drilling programme on the extensive block of joint venture licences at Pallas Green, Co. Limerick.

Minco also holds six prospecting licences in Cos Wicklow, Wexford and Kildare, where their focus is on vein, shear-hosted and stratabound gold mineralization. An initial exploration programme commenced on the Wicklow/Kildare licences in October 2003, comprising geological mapping and prospecting, geochemistry and geophysics. Drilling is planned to test emerging targets as well as existing targets on the South Wicklow/Wexford licences during 2004.

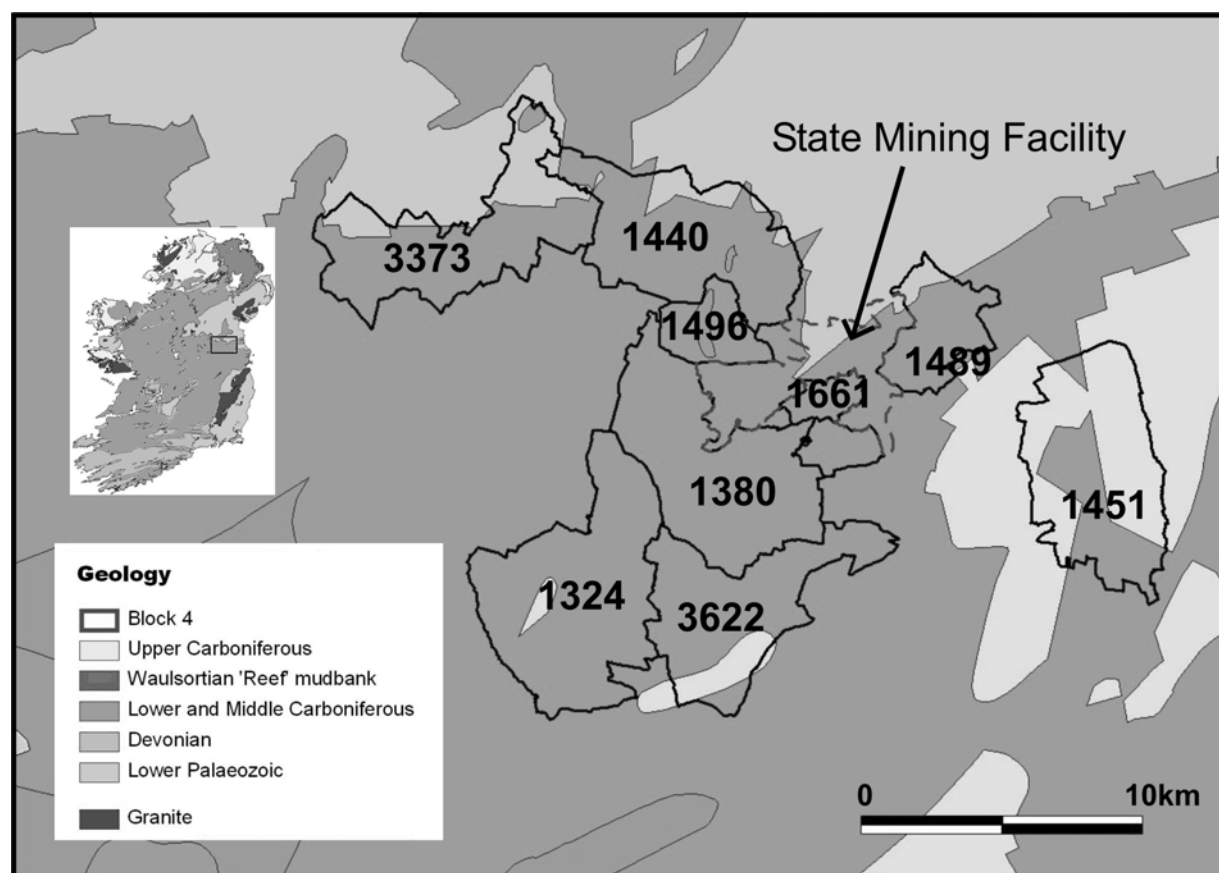
**Tara Mines Ltd** continues to explore for further extensions of the Navan orebody. The principle targets are adjoining the SWEX, as well as around the recently acquired Nevinstown and Liscarton areas, which represent extensions to the main Navan orebody. Tara is also exploring outside the mine area, principally for carbonate-hosted zinc deposits, but also for copper and gold in varied geological settings. Outside the Navan area, the principal focus is in Co. Limerick, where several new areas with mineralization have been identified by recent drilling

- **Joint Venture Opportunities**

In March 2004, Exploration and Mining Division produced a leaflet entitled *Mineral Exploration in Ireland: Joint Venture Opportunities*. The leaflet contains information on ten different properties where the licensees are looking for joint venture partners. Seven different companies are offering properties, and the minerals under offer include base metals, gold and diamonds. Copies of the leaflet are available free of charge from the Exploration and Mining Division, and from our exploration website [www.minex.ie](http://www.minex.ie),

- **Prospecting Licence Information**

At 14<sup>th</sup> April 2004, a total of 26 active companies held 270 Prospecting Licences, primarily for base metals. During the past six months, 23 licences were surrendered. Although no licences were issued during that period, applications for 25 licences have been received, the vast majority for gold.



**Latest Prospecting Licence areas for which data over 6 years old has been released**

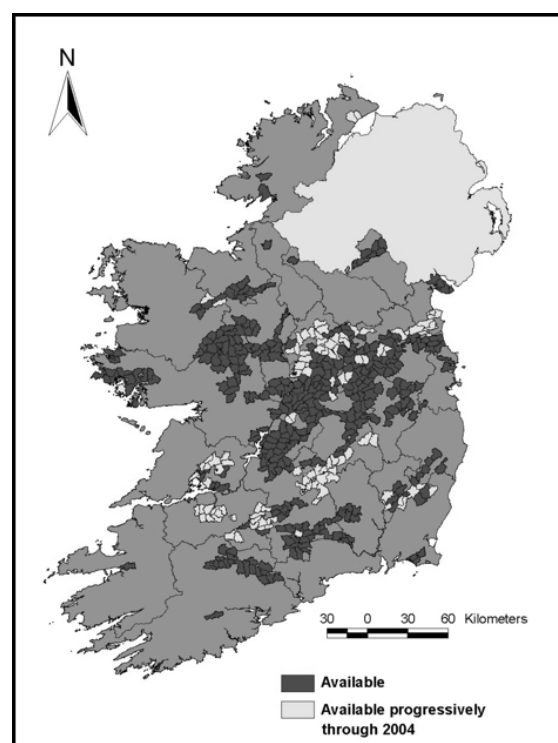
## Exploration Support

During the past six months work has continued by the Exploration and Mining Division on their four complementary programmes to encourage exploration.

The **MAPS** (Minerals Administration Programme Support) **Programme** designed to provide online clients with all the available background data to assess ground and undertake permitting and eBusiness is slightly behind schedule. New content is added continually to the current site at **minex.ie**, such as GIS data and exploration company reports. However, the second phase, which will provide much increased content, improved GIS facilities and the full range of online permitting facilities, is still in development.

Under the **Airborne Data Release Programme**, geophysical surveys over the Moate, Tynagh and Limerick areas have been released (see product listings inside front cover).

Various themes under the **Data Release Programme** have advanced considerably. Data more than six years old from currently held prospecting licences (*Historical Data Release*) has been released for 21 more areas, including several adjoining or partially subsumed by the State Mining Facilities over the Navan zinc deposit (see figure above). Company data from 45 surrendered areas has also been made publicly available (*Surrendered Data Release* themes). The third theme of this programme is the *online availability* of company data. All data relating to Licences surrendered since 1<sup>st</sup> January 2000, and all historic company data (see above) are being made progressively available through **minex.ie**. Data relating to some 370 areas are now online, including data on areas available in the 1<sup>st</sup> May Competition as an aid to rapid evaluation of this ground. This compares to 111 areas in October 2003. The remaining backlog (see figure) will be cleared during the year. The fourth theme (*digital licence maps*) is the provision of digital versions of the Prospecting Licence map and ground status, on CD-ROM in shapefile format, for use with the ESRI suite of GIS products. A free map viewer is provided, and updates can be downloaded from the **minex.ie** website.



**Map showing Prospecting Licences for which exploration data is available. The coverage relates to all data publicly available since 1<sup>st</sup> January 2000.**

The **Airborne Magnetic Interpretation Programme**, in partnership with PGW Europe Ltd., is also behind schedule. Focussed on three blocks covering part the Central Basin area, the digital products for the first of the blocks to be available (Block 2, see figure) have been completed and are being prepared for release.

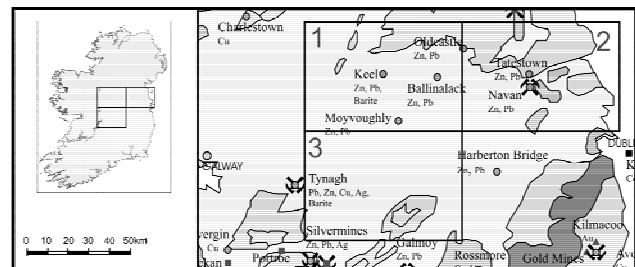
## • Gold Occurrences in Ireland

In view of the recent interest in gold exploration, the Exploration and Mining Division (EMD) and the Geological Survey of Ireland (GSI) have collaborated to produce the first-ever digital release of data on gold occurrences in Ireland. Intended to stimulate exploration, the free CD contains information on over 300 gold occurrences within Ireland, a comprehensive bibliography, and copies of the most relevant articles and GIS data sets that include:

- Bedrock, float and alluvial gold occurrences
- 1:600,000 simplified geology map of Ireland
- Status of exploration permit areas at February 2004
- General prospectivity maps for a range of gold exploration plays

The CD-ROM is available from either EMD ([www.minex.ie](http://www.minex.ie)) or GSI ([www.gsi.ie](http://www.gsi.ie)).

**Map showing areas covered under the Airborne Magnetic Interpretation Programme**



## PDAC Convention 2004, Toronto

The 72<sup>nd</sup> Annual Convention and Trade show of the Prospectors and Developers Association of Canada (PDAC) was held in Toronto from 7<sup>th</sup> to 10<sup>th</sup> March 2004. The Exploration and Mining Division was again represented at the Trade Show, where we were joined by our colleagues from the Northern Ireland Department of Enterprise, Trade and Investment, and the Geological Survey of Northern Ireland, in a combined *Ireland* exhibit. There was abundant evidence of the upsurge in exploration funding, with a steady stream of visitors to the stand and serious interest in both gold and zinc exploration. Attendance was apparently in excess of 10,000 visitors, with the Trade Show being extended onto another floor due to the demand for stand space.



**The combined Ireland stand at the PDAC Trade Show, Toronto, March, 2004**

## **APPENDICES**

- **Open File Prospecting Licence Data**
- **Addresses of Companies holding State Facilities**
- **Application Forms**



# **OPEN FILE PROSPECTING LICENCE DATA**

## **Viewing the Open File**

Open file data consists of non-confidential company reports on work done on surrendered Prospecting Licences. This data is available for viewing by members of the public from the Geological Survey of Ireland (GSI), Department of Communications, Marine 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 arrangements currently apply:

- Appointments to view data may be made by telephone.
- The following charges are made for access to non-confidential exploration data in hard copy :  
€31.74 for the first box and €12.70 for each additional box. A handling charge of €6.35 per telephone request for photocopying items from the Open File (accompanied by suitable confirmation e.g. letter or fax).
- Photocopies of items are supplied at cost. Currently the charges are: A0 €6.35; A1 €5.00; A2 €3.17; A3 €0.31; A4 €0.19

For appointments or further information, please contact either the **Geological Survey**, Ms I. Hogan of the Minerals Section, Tel: 01-6782571, Fax 01-6041430, or the **Exploration and Mining Division** (Ms. M. Flavin, Tel: 01-6782671, Fax: 01-6609627).

## **Catalogue of Open File Data**

The Geological Survey is offering for sale copies of the 'Catalogue of Exploration Company Open File Data'. The catalogue lists all of the approximately 65,000 individual items (reports, maps, sections, drill logs) which are currently held in the open file system. Also included as a separate volume is a copy of the 'Prospecting Licence Number Index'. The Index lists all Prospecting Licence numbers generated in the licensing system, their previous numbers (if any) and gives the location within the Catalogue of all open-file data relevant to each licence number. The index and the catalogue allow an interested party to see what information is available for a given area. The catalogue and index of material on Open File is now available digitally (€127). Additions or amendments to the Catalogue and Index will be available at cost to purchasers. Purchasers will be required to sign a declaration stating that the Catalogue and Index are for their own use and will not be further reproduced except for internal company purposes.

## **Compilation of Open File Data**

The Geological Survey may, upon request and agreeing of terms, compile Open File exploration data on a contract basis for individual companies or consortia. For further information please contact Mr. G. Stanley (Tel: 01-6782863).

## Data Availability

An asterisk indicates that the licence area extends into a neighbouring county.

- Additions from surrendered Prospecting Licences since 1st November, 2003**

<b>Cork</b>	<b>Limerick</b>	<b>Westmeath</b>
3860	449	382
	450	1353
<b>Galway</b>	2531	1979
2	2638	2675
2685	2927	2676
3862	3367	3152
	3431	3588
<b>Longford</b>		3589
2774		

- Consolidated List**

<b>Co. Carlow</b>	2965	2414	3780	2444
1476	2966	2415	3788	2484
1477	2966	2571	3789	2485
1537	2988	2590	3806	2487
1597	3130	2688	3808	2597
2404	3131	2892	3809	2599
2832	3269	2895	3810	2601
2930	3270	2896		2637
2931	3277	2945	<b>Co. Cork</b>	2708
3407	3400	3005	1392	2713
3411	3414	3116	1554	2730
3710*	3526	3225	1780	2732
3711	3539	3351	1786	2740
	3540	3501	1940	2812
<b>Co. Cavan</b>	3563	3502	2008	2813
1051	3564	3503	2024	2814
1052	3566	3504	2033	2815
1135	3572	3508	2048	2899
1136	3623	3509	2260	2901
1140	3624	3550	2280	2902
1142	3632*	3640	2381	2946
1695		3641	2392	2947
1696	<b>Co. Clare</b>	3642	2393	2948
1697	11*	3643	2394	2949
2139	742	3644	2395	2953
2140	1951	3679	2437	2967
2579*	1952	3728	2439	2983
2827	2317	3729	2442	2998

3010	2083	3026		1762
3011	2084R	3035		1764
3012	2085	3036	<b>Co. Dublin</b>	1768
3013	2086	3037	1450*	1788
3014	2087	3038	1454	1789
3033	2088	3039	2697	1790
3046	2089	3040	2710*	1791
3047	2110	3055	2968	1794
3049	2111	3056	3045	1795
3050	2112	3062	3139	1796
3107	2115	3063	3143	1797
3108	2116	3069	3157	1798
3187	2118	3070	3218	1799
3202	2246R	3071	3219	1800
3203	2290	3072	3220	1958
3204	2349	3073	3221	1959
3228	2351	3074	3284	1960
3229	2354	3078	3433*	1979
3230	2357	3079	3664	1980
3231	2358	3088	3665	1982
3293*	2359	3089	3821	1983
3294	2545	3090	3865*	2090
3295	2546	3091		2091
3328	2547	3092	<b>Co. Galway</b>	2092
3338	2548R	3093	2	2093
3365	2795	3094	4	2094
3435	2796	3095	15	2095
3535	2798	3118	16	2096
3536	2799	3119	134	2097
3537	2800	3120	483	2098
3538	2801	3121	497	2099
3586	2802	3122	541	2100
3587	2803	3123	643	2245
3605	2804	3128	766	2295
3612	2810	3132	767	2296
3619	2811	3133	769	2297
3620	2816	3134	930	2301
3656	2817	3135	934	2302
3671	2818	3136	939	2318
3702	2819	3153	952	2449
3716	2960	3233	1102	2450
3717	2961	3236	1105	2451
3718	2962	3314	1235	2452
3723	2964	3315	1362	2520
3733	2991	3326	1364	2521
3741	2992	3327	1375	2526
3801	3007	3361	1376	2532
3805	3008	3371	1382	2533
3823	3020	3372	1430	2569
	3021	3496	1431	2570*
<b>Co. Donegal</b>	3022	3543	1432	2583
1414	3023	3557	1677	2584
2072	3024	3820	1700	2585
2073	3025	3855	1704	2646

2647	3480	3492	3332	3521
2685	3481	3493	3374	3522
2686	3482	3494	3375	3523
2687	3505	3495	3427	3524
2689*	3506	3554	3433*	3525
2695	3507	3742	3434	3547
2700	3567	3755	3547	3549
2721	3578	3756	3549	3559
2724	3615	3757	3610	3560
2734	3637*	3758	3614	3645*
2760	3680	3783	3636	3693
2761	3681	3834	3649	3694
2848	3692	3835	3684	3695
2885	3742	3836	3784	3696*
2886	3743	3837	3792	3708
2887	3755	3838	3793	3709
2888	3756	3847	3794	3736*
2889	3757		3795	3737
2932	3758	<b>Co. Kildare</b>	3796	3738
2938	3781*	631	3865*	3739
2939	3818	724		3740
2940	3840	726	<b>Co.</b>	3832
2941	3881	862	<b>Kilkenny</b>	
2942	3882	863	586*	<b>Co. Laois</b>
2943	3883	1316	1814	586*
2959	3884	1317	1815	754
2965	3885	1318	1913	1639
3043	3886	1602	2031	1640
3052	3897	1604	2820	1641
3080	3898	1605	2821	1646
3081		1606	2958	1650
3101		1607	2996	1652
3140	<b>Co. Kerry</b>	1608	3105	1653
3141	1911	1632	3113	1654
3144	2029	1610*	3165	2217
3145	2030	1629	3195	2218
3166	2214	1630	3211	2219
3167	2270	1631	3213	2320
3169	2312	1632	3214	2321
3170	2586	2062*	3215	2322
3226	2777	2513	3216	2474
3227	2869	2514	3242	2476
3251	2871	2516	3250	2512
3280	2933	2518	3325*	2623
3307	2934	2822	3345	2624
3310	2935	2823	3352	2625
3311	2954	2824	3353	2627
3362	2974	2830	3354	2747
3428	3016	2831	3355	2748
3429	3076	2834	3357	3009
3459	3077	3247*	3360*	3147
3470	3281	3329	3404	3158
3471	3370	3330	3409	3160
3479	3490	3331	3520	3239

3263	2289	580	1029	2915
3322	2529	581	1030	2976
3356	2530	582	1031	3052*
3357*	2531	622	1032	3125
3416	2579	666	1035	3126
3458	2594	667	1530	3127
3533	2638	1358	1531	3148
3542	2696	1586	1562	3149
3674	2756	1587	1679	3150
3675	2762	1588	1804R	3151
3736*	2835	1801	1805	3173
3853	2840*	1802	1806	3176
	2845	1803	1810	3182
<b>Co. Leitrim</b>	2850	2664	1811	3240
563	2872	2698	1812	3253
879*	2873*	2774	2137	3255
1469	2927	2775	2225	3257
1668	2989	2780	2226	3258
1670	3199	2989	2229	3303
1672	3249	3363	2306	3304
1673	3267	3364	2319	3337
1674	3268	3527	2396	3378
1675	3279	3628	2397	3379
2334	3293*	3629	2398	3389
2440	3308	3630	2399	3390
2776	3309	3633	2401	3391
2881	3342	3634	2495	3392
2993	3343		2496	3393
3086	3344	<b>Co. Louth</b>	2497	3394
3162	3366	676	2498	3395
3568*	3367	1040	2499	3419
3585	3368	1552	2500	3420
3673	3369	1553	2501	3423
	3431	2201	2502	3424
<b>Co.</b>	3457	2271	2503	3467
<b>Limerick</b>	3488	2742	2504	3510
427	3489	3053	2505	3514
449	3544	3276	2506	3515
450	3545	3278	2507	3761*
468*	3546	3408	2508	3764
635	3581	3413	2610	3765
636	3582	3701	2640	3766
786	3608	3730	2641	3767
1302	3650	3841	2643	3768
1303	3651	3842	2644	3769
1457	3654	3843	2645	3770
1583	3661		2875	3771
1584	3705*	<b>Co. Mayo</b>	2879	3772
1943	3807*	234	2880	3773
1945	3824	547	2908	3774
1946		663	2909	3790
1947	<b>Co.</b>	743	2910	3791
1948	<b>Longford</b>	1022	2911	3811
1949	186	1028	2912	3812

3876	3341	480	3283	3637*
3887	3346	481	3302	3685
	3347	594*	3417	3686
<b>Co. Meath</b>	3373	607	3418	3744
727	3410	608	3432	3745
875	3558	649A	3475*	3746
1039	3609	890	3648	3747
1053	3611	1108	3652*	3748
1171	3621	1110	3814	3749
1174	3622	1111	3854	3750
1177	3632*	1113		3751
1319	3635	1178	<b>Co.</b>	3752
1322	3636	1341	<b>Roscommon</b>	3753
1323	3660	1342	561*	3754
1324	3721	1343	562	3759
1325	3731	1377	1046R	3760
1327	3732	1378	1310	3761
1328	3819	1505*	1663	3762
1331	3825	1624	1665	3763
1332	3839	1625	1667	3781*
1333	3851	1626	1680	3848
1334	3873	1628	1899	3879
1338	3874	1919	1905	
1339	3875	2016	2101	<b>Co. Sligo</b>
1439		2019	2102	561*
1440	<b>Co.</b>	2323	2103	757
1450*	<b>Monaghan</b>	2522	2105	1435
1451R	1356	2536	2329	1564
1452	1357	2537	2330	1565
1453R	1870	2538	2523	1580
1489	2023*	2560	2524	1660
1500	2193	2561	2613	1688
1600	2194	2563	2651	1689
1601	2254	2663	2652	1690
1991	2416	2669	2653	2489
1993	2579*	2670	2666	2490
1995	2661	2671	2705	2491
2021	2665	2701	2766	2493
2063	2677	2702	2767	2772*
2778	2678	2757*	2768	2784
2779	2679	2758	2769	2870
2791	2680	2759	2772*	2916
2836	2681	2781	2784	2917
2837	2682	2782	2787	2921
2882	2683	2786	2788	2923
2883	2828	2859	2981	3099
2884	3027	2860	2982	3380
2928	3028	2861	3059	3381
3060*	3066	2864	3163	3382
3184	3068	3115	3248	3383
3260	3209	3129	3436	3384
3261	3469	3159	3474	3385
3300		3266	3561	3386
3301	<b>Co. Offaly</b>	3273	3568*	3387

3388	3189	3698	3574	3589
3396	3316	3699	3690*	3638
3430	3317	3700*	3707*	3639
3666	3318	3703	3713	3652*
3734	3319	3704	3714	3653
3735	3320	3705*	3715	3655
	3321	3706	3719	3658
<b>Co.</b>	3358	3707*	3720	3659
<b>Tipperary</b>	3359	3708*	3724	3675
72	3360*	3712*	3815	3676
73	3401	3727	3816	3813
74	3402	3782		
350	3403	3786	<b>Co.</b>	<b>Co. Wexford</b>
468*	3421	3826	<b>Westmeath</b>	1183
605	3425	3827	382	1184
627	3426	3844	505	1185
1575	3439	3845	506*	1186
1577	3440	3892	619	1187
1578	3441	3904	1043	1188
1753	3445		1044	1190
2018	3447	<b>Co.</b>	1179	1191
2026	3448	<b>Waterford</b>	1181	1192
2027	3451	405	1244	1193
2068	3452	735	1245	1194
2069	3453	1554	1347	1196
2258	3454	1555	1349	1197
2286	3455	1556	1351	1198
2326	3456	1786	1352	1199
2447	3475*	1966	1353	1200
2448	3476	1967	1383	1201
2471*	3477	1985	1384	1539
2564	3497	1986	1385	1541
2567	3498	1987	1387	1542
2568	3499	1988	1388	1813
2604	3551	1989	1406	2053
2607	3552	1990	1505	2236
2621	3553	2035	2674	2237
2622	3569	2036	2675	2238
2654	3573	2752	2676	2267
2655	3617	2754	2757*	2268
2657	3618	3190	2866	2543
2717	3645*	3191	3152	2544
2718	3646	3192	3232	2551
2839	3647*	3193	3324	2552
2844	3667	3201	3405	2553
2852	3668*	3205	3406	2554
3032	3669	3206	3528	2555
3082	3670	3207	3529	2556
3097	3677	3208	3530	2557
3156	3678	3323	3531	3001
3161	3689	3518	3575	3031
3164	3690*	3519	3576	3155
3185	3696*	3570	3583	3196
3188	3697*	3571	3588	3197

3198	3483	1715	3029	3335
3237	3484	1716	3030	3437
3264	3595	1864	3114	3468
3274	3597	2239	3137	3565
3275	3663	2240	3138	3676
3296	3822	2241	3210	3795
3297		2255	3265	3798
3298	<b>Co. Wicklow</b>	2421	3272	3799
3299	415	2426	3285	3849
3412R	1473	2429	3286	3850
3463	1474	2430	3289	3864
3464	1475	2432	3291	
3465	1545*	2470	3292	
3466	1546	2558	3334	

## ADDRESSES OF COMPANIES HOLDING STATE FACILITIES

### Prospecting Licences

**Amcorp Ireland Ltd.**

Unit 10B  
Loughboy Industrial Estate  
Kilkenny

**Liam Brophy & Peter Kealy**

Fairymount  
Crettyard  
Co. Carlow

**The Lisheen Mine Partnership  
Anglo Exploration Ireland Ltd.**

Lisheen Mine  
Killoran  
Moyne  
Thurles  
Co. Tipperary

**Cambridge Mineral Resources Plc.**

Simmonds House  
Simmonds Buildings  
Bristol Road, Hambrook  
Bristol BS16 1RY  
England

**Arcon Exploration Plc.**

The Old Schoolhouse  
Galmoy  
Co. Kilkenny

**Central Mining Finance**

7 Hobart Place  
London SW1W 0HH  
England

**Arcon International Resources Plc.**

60 Merrion Road  
Ballsbridge  
Dublin 4

**Clare Calcite Ltd.**

Block 4b, Unit 5  
Blanchardstown Corporate Park  
Dublin 15

**Asarco Exploration Plc.**

c/o Crowe Schaffalitzky and Associates Ltd.  
Units 6 + 7  
Dundrum Business Park  
Windy Arbour  
Dublin 14

**Mid-West Prospecting Ltd.**

c/o Patrick F. Treacy  
29 Pearse Street  
Nenagh  
Co. Tipperary

**Glencar Mining Plc.**

71 Lower Baggot Street  
Dublin 2

**Minco Ireland Ltd.**

c/o Fitzpatrick Morris Barrett  
Chartered Accountants  
74 Pembroke Road  
Dublin 4

**BHP World Exploration Inc.**

Minerals Discovery  
2300-1111 West Georgia Street  
Vancouver BC  
Canada V1E 4ME

**Hereward Mining Plc.**

c/o Hereward Ventures Plc.  
Simmonds House  
Simmonds Buildings  
Bristol Road, Hambrook  
Bristol BS16 1RY  
England

**Edward Hogan**

Hogan's Pass  
Nenagh  
Co. Tipperary

**Navan Resources Plc.**

Rafterys Bungalow  
Cagerlivene  
Loughrea  
Co. Galway

**Irish Marine Oil Plc.**

162 Clontarf Road  
Dublin 3

**Noranda Exploration Ireland Ltd.**

35 Cleevaun  
Craddockstown Road,  
Naas  
Co Kildare

**Jadebay Ltd**

9 Marine View  
Phoenix Terrace  
Blackrock  
Co. Dublin

**Ormonde Brick Ltd.**

Castlecomer  
Co. Kilkenny

**Rennicks and Bennett Ltd.**

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

**Ovoca Resources Plc.**

Adrigole  
Beara  
Co. Cork

**Rio Algom Exploration Inc.**

c/o BHP-Billiton  
2300-1111 West Georgia Street  
Vancouver BC  
Canada V1E 4ME

**Tara Mines Ltd.**

Knockumber House  
Knockumber  
Navan  
Co. Meath

**Sabina Resources Ltd**

55 Westchester Drive  
London  
Ontario N6G 2K6  
Canada

**Tournigan Gold Corporation**

Suite 520-000,  
West Pender Street,  
Vancouver, BC  
Canada, U6C 2U6

**Mineral Estates (Ireland) Ltd.**

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

**Westland Exploration Ltd.**

11 Mespil Road  
Dublin 4

## **Mining Facilities**

**The Lisheen Mine Partnership  
Anglo American Exploration Ireland Ltd.**  
The Lisheen Mine  
Killoran, Moyne  
Thurles  
Co. Tipperary

**Ivernia Lisheen Mining Ltd.**  
Ivernia Hall  
97 Henry Street  
Limerick

**Arcon Mines Ltd.**  
60 Merrion Road  
Ballsbridge  
Dublin 4

**Joyces Marble Quarries Ltd.**  
Lissoughter  
Recess  
Connemara  
Co. Galway

**Connemara Marble Products Ltd.**  
Moycullen  
Co. Galway

**Lisheen Milling Ltd.**  
41/45 St. Stephen's Green  
Dublin 2

**Flemings Fireclays Ltd.**  
The Swan  
Athy  
Co. Kildare

**Ormonde Brick Ltd.**  
Castlecomer  
Co. Kilkenny

**Flynn & Lehany Coal Mines Ltd.**  
c/o Mr. John Barrett  
17 Castle Street  
Dalkey  
Co. Dublin

**Roadstone Provinces Ltd.**  
Saggart  
Co. Dublin

**Irish Gypsum Ltd.**  
Unit 14  
Park West Industrial Park  
Dublin 12

**Tara Mines Ltd.**  
Knockumber House  
Navan  
Co. Meath



## **SPECIMEN FORMS**

- **Prospecting Licence Application Form**
- **Statement of Interest Registration Form**

These forms on the following pages may be photocopied or copies may be obtained from:

Exploration and Mining Division  
Department of Communications, Marine and Natural Resources  
Beggars Bush  
Haddington Road  
Dublin 4

Tel: (01) 6782000  
Fax: (01) 6609627

**ROINN CUMARÁIDE, MARA AGUS ACMHAINNÍ NÁDÚRTHA  
DEPARTMENT OF COMMUNICATIONS, MARINE AND NATURAL RESOURCES**

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**APPLICATION FOR A PROSPECTING LICENCE UNDER THE MINERALS  
DEVELOPMENT ACTS, 1940 TO 1999**

**A separate form should be used for each application. More than one area may be included on the same form only if the areas are adjacent and for the same minerals. If more than one form is used, the relative priorities of all areas must be given. Licences are granted for 6 years unless a shorter period is warranted.**

**(1) Name(s) of Applicant(s) in full .....**

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**(2) Address(es) of Applicant(s) .....**

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**(3) Address(es) of Applicant(s) Registered Office .....**

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.....  
.....  
.....

**Company Telephone and Fax Number .....**

(4) Nationality of Applicant(s) .....

.....  
.....

(5) Occupation of Applicant(s) .....

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.....

In the case of a company that is not the holder of a current prospecting licence, the application must be accompanied by copies of its most recent Annual Report and audited accounts, together with information concerning its share capital and details of significant shareholdings.

(6) A description of the area sought. In the case of ground for which established boundaries are shown on the prospecting licence map, the area required can simply be referred to by one or more licence numbers. For 'open ground' the boundaries required should be outlined in red on a one inch (or, where appropriate, six inch) Ordnance Sheet.

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(7) A priority listing of areas, or in the case of open ground, a breakdown of the area in terms of sub-areas in order of priority of interest (where practical or relevant). The area with the highest priority should be listed first.

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(8) The basis of the interest of the applicant in this ground (all minerals which are of interest, the basis for the belief that these minerals might be present etc.), and for which the applicant will carry out exploration.

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The applicant is invited to submit any maps, diagrams or reports which support the belief of the applicant that minerals are present. This information will be treated as confidential, and will not be placed on Open File at any stage. Such information will assist in determining which applicant (if any) in the case of competition will be offered a Licence over the area.

**(9) (a)** A full and detailed description of the programme of prospecting which the applicant proposes to carry out for each of the areas applied for, including particulars of any special techniques or equipment to be used.

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**(b)** Estimates, **for each two year phase** of the 6-year Licence term, of the proposed expenditure on each category of activity comprising the programme for each area applied for.

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**(10)** Information concerning the applicant's previous experience in prospecting for minerals (if not previously the holder of a Prospecting Licence).

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**(11)** Names, addresses, qualifications and experience of technical experts or advisers who will organise and carry out the prospecting programme. If the applicant will be the operator, then this should be stated.

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**(12)** Amount of capital available for operations under the Licence(s) now applied for:

(a) At present available .....

.....

(b) Which applicant can make available .....

.....

and the source .....

.....

Applicants may be asked to provide evidence that these amounts are available.

**(13)** Names and addresses of persons to whom the Minister can refer for evidence as to (a) character, (b) financial standing and (c) technical qualifications of the applicant(s). Independent references must be provided to cover each aspect.

(a) .....

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(b) .....

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(c) .....

.....

I/We hereby declare that all the foregoing particulars are correct. I/We enclose herewith the Ordnance Sheets referred to under (6) and a remittance of €190.00 per Prospecting Licence being the prescribed fee on application.

Signature(s) of Applicant(s)

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Date

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THE SECRETARY GENERAL  
Department of Communications, Marine and Natural Resources,  
Exploration and Mining Division,  
Beggars Bush,  
Haddington Road,  
Dublin 4.

**Note:** Acceptance of applications for prospecting licences for consideration will not create any obligation on the part of the Minister to grant any facilities.



**STATEMENT OF INTEREST FOR PROSPECTING FACILITIES UNDER  
THE MINERALS DEVELOPMENT ACTS, 1940 TO 1999**

Application is hereby made to lodge a 'Statement of Interest' for prospecting facilities in an area in County(ies) .....

Minerals of interest are:

The Area concerned is included:

- (a) Within the following Prospecting Licences Nos. ....  
as marked on the attached copy of the relevant part of the most recent Prospecting Licence Competition Map issued by the Department; OR
- (b) In an open area the boundaries of which are given on the attached map at a scale of half inch/one inch/six inches to the mile/1:25,000 or other appropriate scale.

Applicant name(s) and address

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Date: .....

To: Exploration and Mining Division,  
Department of Communications, Marine and Natural Resources,  
Beggars Bush,  
Haddington Road,  
Dublin 4,  
Ireland.