

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

**STATE MINING AND
PROSPECTING FACILITIES**

and

INDUSTRY NEWS

1st NOVEMBER 2005

**EXPLORATION AND MINING DIVISION
MINERALS PUBLICATION MP 15/05**

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Published by authority of the Minister for Communications, Marine
and Natural Resources**

Maria Flavin

To the great distress of her family, friends and colleagues, Maria Flavin died suddenly on the 9th November. Maria's last years were spent with the Exploration and Mining Division, and for the past five years Maria was responsible for the data gathering and production of this quarterly publication. The quality and accuracy stand as a testimony to her outstanding contribution to the work of the Division, and as a reminder of her unfailing helpfulness to industry and members of the public. Always sunny, thoughtful and caring, with a strong work ethic and complete integrity, Maria was a splendid example of all that one would wish a member of the civil service to be.

All who came into contact with Maria were fortunate in being touched by her warmth and kindness, made to feel that we were with a good friend and indeed we were. May she Rest in Peace.

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MAP (in back pocket)

STATE MINING AND PROSPECTING AREAS, 1st November 2005

(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

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 31st December 2005) 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 that are restricted to certain minerals (p.10-18). Such ground is available for application 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 2005**, will be subsequently considered 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 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, or
- 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) **Open Ground**, i.e. ground which has not yet been licensed and
- (iii) **Currently licensed areas for certain minerals**, but available for exploration for other minerals.

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 10-18.

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 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	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 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. After the first six years, the fees and expenditure requirements revert to the standard rates.

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.

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 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).

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 appreciated that an area 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 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, 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 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, 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 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 (see page 51). 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 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 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.** 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. 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 AREAS 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. However, previously unavailable ground may also be released through this procedure. Interested parties normally 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 also 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.

Competition Areas

The following prospecting licence areas are open for application under equal competition until 31st December 2005.

- Areas for which licences were current on the 22nd July, 2005, but have become available in the period to 10th October, 2005, or areas for which licences were offered but were subsequently declined in the same period. The areas are shown on the map in yellow.

185	Longford
2696	Limerick
2835	Limerick

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 115	Flynn & Lehany Coal Mines Ltd.	01.10.70	Roscommon	1,2	31.03.2043
M 116	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

- **Mining Licences**

SML 1	Arcon Mines Ltd	03.02.95	Kilkenny	3,8	02.02.2016
SML 2	Tara Mines Ltd	03.07.98	Meath	25	31.08.2010
SML 3	Tara Mines Ltd	03.07.98	Meath	25	31.08.2010
SML 4	Tara Mines Ltd	11.09.00	Meath	25	31.08.2010
SML 5	Tara Mines Ltd	15.01.04	Meath	24, 25	31.08.2010
SML 6	Arcon Mines Ltd	29.08.02	Kilkenny	3,8	02.02.2016
SML 8	Arcon Mines Ltd.	21.01.05	Kilkenny	3	02.02.2016
SML 10	Arcon Mines Ltd	28.02.05	Kilkenny	3	02.02.2016

- **Mining Permissions**

None.

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, Marine and Natural Resources, as required by the Minerals Development Acts, 1940-1999.

Prospecting Licences

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 22nd April 2005. The licensed minerals are abbreviated as follows: Base metals (Bm); Barytes (b); Gold (g); Silver (s); Platinum Group Elements (PGE).

PL Area	Licensee	Start	County	O.S. 6"	Minerals
186	Arcon International Resources PLC	31/05/05	Longford	19, 23	Bm, b, s
350	Aurum Mineral Resources Ltd.	27/05/04	Tipperary	51, 59	Bm, b, s, g
449	Aurum Mineral Resources Ltd.	27/05/04	Limerick	22, 23, 31, 32, 41	g
449	Connemara Mining Co. Ltd	31/01/05	Limerick	22, 23, 31, 32, 40	Bm, b, s
450	Aurum Mineral Resources	27/05/04	Limerick	23, 24, 32, 33	g
450	Connemara Mining Co. Ltd.	31/01/05	Limerick	23, 24, 32, 33	Bm, b, s
468	Asarco Exploration Inc.	29/07/02	Tipperary Limerick	65,66 41	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
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	28,33,34 3,8	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	21, 22, 30, 31	Bm, b, s
649A	Minco Ireland Ltd	26/07/82	Offaly	35	Bm, b, s
754	Arcon Exploration Plc.	20/02/87	Laois	27,28,33, 34	Bm, b, s
786	Tara Mines Ltd.	01/05/91	Limerick	21,30	Bm, b, s
1022	Oriel Selection Trust	27/04/05	Mayo	72, 73, 81, 82	Bm, b, s, g
1051	Connemara Mining Co. Ltd.	28/01/05	Cavan	37, 38, 41 42	Bm, b, s, g, PGE
1053	Connemara Mining Co. Ltd.	28/01/05	Meath	8, 9, 9a, 42	Bm, b, s, g, PGE
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

PL Area	Licensee	Start	County	O.S. 6"	Minerals
1190	Tara Mines Ltd.	10/03/00	Wexford	25,31	Bm, b, s, g
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, 17	Bm, b, s, g
1226	Minco Ireland Ltd.	16/05/68	Westmeath	17,23,24, 31	Bm, b, s
1228	Minco Ireland Ltd.	16/05/68	Westmeath	22,23,29, 30	Bm, b, s
1229	Minco Ireland 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	Connemara Mining Co. Ltd	13/04/05	Limerick	36, 37, 44, 45	Bm, b, s, g, PGE
1324	Tara Mines Ltd.	16/11/95	Meath	24,30,36	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
1362	John Gannon	09/08/04	Galway	6, 18, 31	Bm, b, s, g
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
1476	Kenmare Resources Plc.	30/09/02	Carlow	14,17,18, 20, 21	Caesium,lithium, niobium, tin, tantalum, tungsten
1489R	Tara Mines Ltd.	26/10/70	Meath	18,25,26, 31	Bm, b, s, g
1496	Rennicks and. Bennett Ltd	16/08/71	Meath	17,18,24, 25	Bm, b, s
1500	B.H.P. World Exploration Inc	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

PL Area	Licensee	Start	County	O.S. 6"	Minerals
1586	Tara Mines Ltd/Aurum Mineral Resources	60/06/04	Longford	6, 7, 10, 11	Bm, b, s, g
1597	Kenmare Resources Plc.	30/09/02	Carlow	24,25,26	Caesium, lithium, niobium tin, tantalum, tungsten
1604	Arcon Exploration. Plc	17/06/98	Kildare	9,10,13, 14	Bm, b, s, g
1607	Arcon Exploration Plc.	17/06/98	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	Amcorp Ireland Ltd.	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
1675	Tara Mines Ltd/Aurum Mineral Resources	30/06/04	Leitrim	29, 33, 36	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	Connemara Mining Co. Ltd.	13/04/05	Cork	1, 2, 3	Bm, b, s, g, PGE
1942	Connemara Mining Co. Ltd.	13/04/05	Limerick	29, 37	Bm, b, s, g, PGE
1943	Connemara Mining Co. Ltd.	13/04/05	Limerick	37, 38, 45	Bm, b, s, g, PGE
1946	Connemara Mining Co. Ltd.	13/04/05	Limerick	37, 38, 45, 46	Bm, b, s, g, PGE
1947	Connemara Mining Co. Ltd.	13/04/05	Limerick	38, 39, 46 47	Bm, b, s, g, PGE
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
1991	Connemara Mining Co. Ltd.	28/01/05	Meath	8, 9, 14, 15	Bm, b, s, g, PGE
2016	Minco Ireland Ltd.	26/07/76	Offaly	35,38,38A, 47	Bm, b, s
2029	Connemara Mining Co. Ltd.	31/01/05	Kerry	46, 47, 57	Bm, b, s, g, PGE
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

PL Area	Licensee	Start	County	O.S. 6"	Minerals
2194	Conroy Diamonds & Gold Plc.	11/07/96	Monaghan	10,14	Bm, b, s, g
2218	Amcorp Ireland Ltd.	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	Amcorp Ireland Ltd.	28/05/87	Tipperary	29,30,35, 36	Bm, b, s
2295	Aurum Mineral Resources	30/06/04	Galway	12, 25	Silver, gold
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	Amcorp Ireland Ltd.	28/05/87	Tipperary	29,35,36, 41	Bm, b, s
2448	Amcorp Ireland Ltd.	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
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	Minco Ireland Ltd.	01/03/94	Wexford	5,6,11	Gold
2554	Minco Ireland Ltd.	05/12/94	Wexford	4,5,9,10	Gold
2558	Minco Ireland Ltd.	05/12/94	Wicklow	46,47	Gold
2594	Connemara Mining Co. Ltd.	13/04/05	Limerick	44, 45, 53	Bm, b, s, g PGE
2638	Aurum Mineral Resources	27/05/04	Limerick	13, 14, 22 23, 31	Gold
2638	Connemara Mining Co. Ltd.	31/01/05	Limerick	13, 14, 22 23, 31	Bm, b, s, PGE
2645	Aurum Mineral Resources	30/06/04	Mayo	116a, 117, 120, 120a	Silver, gold
2646	Aurum Mineral Resources	30/06/04	Galway	12, 13, 25	Silver, gold
2647	Aurum Mineral Resources	30/06/04	Galway	12, 13, 25, 26	Silver, gold
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

PL Area	Licensee	Start	County	O.S. 6"	Minerals
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
2827	Conroy Diamonds & Gold Plc	27/09/00	Cavan	24,25,30, 31	Bm, b, s, g
2839	Aurum Mineral Resources	27/05/04	Limerick/ Tipperary	33	Bm, b, s, g
2840	Arcon International Resources Plc.	19/12/86	Limerick Tipperary	57, 58, 65, 66	Bm, b, s, g
2845	Connemara Mining Co. Ltd.	13/04/05	Limerick	24,25,32, 33,33A	Bm, b, s, g
2859	Arcon International Resources Plc.	17/08/81	Offaly	57	Bm, b, s, g, PGE
2895	Central Mining Finance	01/03/93	Clare	28, 36	Bm, b, s
2927	Aurum Mineral Resources	27/05/04	Limerick	31,32,36, 37,39	Bm, b, s
2927	Connemara Mining Co. Ltd.	31/01/05	Limerick	27,28,35, 36	Bm, b, s
3027	Conroy Diamonds & Gold Plc	20/08/98	Monaghan	13, 22, 31	Gold
3028	Conroy Diamonds & Gold Plc	15/07/96	Monaghan	13, 22, 31	Bm, b, s, PGE
3040	Tournigan Gold Corporation	11/09/03	Donegal	19,24,25	Bm, b, s, g, antimony
3063	Tournigan Gold Corporation	11/09/03	Donegal	13,14,18 19	Bm, b, s, g,
3065	Conroy Diamonds & Gold Plc	20/08/98	Monaghan	94, 95, 100, 101	Bm, s, g
3066	Conroy Diamonds & Gold Plc.	20/08/98	Monaghan	20, 21, 30 31	Bm, s, g
3068	Conroy Diamonds & Gold Plc.	27/09/00	Monaghan	12,13,17, 18	Bm, b, s, g, antimony
3093	Tournigan Gold Corporation	11/09/03	Donegal	13,18	Bm, b, s, g, antimony
3095	Tournigan Gold Corporation	11/09/03	Donegal	17,18,22, 23	Bm, b, s, g, gem minerals
3115	Minco Ireland Ltd.	25/11/85	Offaly	62, 63, 70 71	Bm, s, g
3123	Tournigan Gold Corporation	11/09/03	Donegal	30, 39, 39a	Bm, s, g
3130	Conroy Diamonds & Gold Plc	27/11/96	Cavan	35	Bm, b, s
3131	Conroy Diamonds & Gold Plc.	27/09/00	Cavan	61, 62, 69 70, 79	Bm, s, g
3156	Minco Ireland Ltd.	16/04/87	Tipperary	21,25,26	Bm, b, s, g
3169	Aurum Mineral Resources	30/06/04	Galway	21,26	Bm, b, s, g
				20,21,26, 27	Bm, b, s
				25, 26	Silver, gold

PL Area	Licensee	Start	County	O.S. 6"	Minerals
3170	Aurum Mineral Resources	30/06/04	Galway	26, 27, 39	Silver, gold
3217	Tournigan Gold Corporation	11/09/03	Donegal	70, 71, 79 79, 88	Bm, s, g
3220	Mineral Estates (Ireland) Ltd.	18/09/96	Dublin	4,5,8	Bm, b, s, g
3224	Tournigan Gold Corporation	11/09/03	Donegal	78, 79, 87, 88	Bm, s, g
3245R	Arcon Exploration	19/12/86	Kilkenny	3,7,8,12	Bm, b, s, g
3249	Tara Mines Ltd.	27/05/87	Limerick	39,40,47, 48,55	Bm, b, s
3262R	Amcorp Ireland Ltd	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
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
3363	Tara Mines Ltd/Aurum Mineral Resources	30/06/04	Longford	4, 5, 8, 9	Bm, b, s, g
3366	Tara Mines Ltd.	27/04/88	Limerick	30,31,38	Bm, b, s
3367	Aurum Mineral Resources	27/05/04	Limerick	22, 30, 31 38, 39	Gold
3367	Connemara Mining Co. Ltd.	31/01/05	Limerick	22, 30, 31 38, 39	Bm, b, s, PGE
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
3414	Conroy Diamonds & Gold Plc.	27/09/00	Cavan	30,31,37, 38	Bm, b, s, g
3422	Aurum Mineral Resources	30/06/04	Galway	27	Silver, gold
3425	Minco Ireland Ltd.	05/03/93	Tipperary	14,20	Bm, b, s
3431	Minco Ireland Ltd.	30/05/05	Limerick	1, 6, 14	Bm, b, s, PGE

PL Area	Licensee	Start	County	O.S. 6"	Minerals
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
3467	Aurum Mineral Resources	30/06/04	Mayo	120, 120b 121, 123	Silver, gold
3469	Conroy Diamonds & Gold Plc	27/09/00	Monaghan	17,22	Bm, b, s, g
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
3508	Central Mining Finance	16/11/98	Clare	43,51,52	Bm, b, s, calcite fluorite
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
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
3628	Tara Mines Ltd/Aurum Mineral Resources	30/06/04	Longford	2, 5, 9	Bm, b, s, g
3629	Tara Mines Ltd/Aurum Mineral Resources	30/06/04	Longford	2, 3, 5, 6	Bm, b, s, g
3630	Tara Mines Ltd/Aurum Mineral Resources	30/06/04	Longford	3, 5, 6, 10	Bm, b, s, g
3642	Belmore Resources Ltd.	30/09/05	Clare	42, 51, 61	Bm, b, s, g
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
3647	Aurum Mineral Resources	27/05/04	Tipperary Limerick	50, 51 24, 25	Gold
3650	Connemara Mining Co Ltd.	13/04/05	Limerick	35, 36, 43, 44	Bm, b, s, g, PGE
3651	Connemara Mining Co. Ltd.	13/04/05	Limerick	44, 45, 53, 54	Bm, b, s, g, PGE
3662	Glencar Mining Plc.	21/08/98	Laois	13,18	Bm, b, s
3667	Amcorp Ireland Ltd.	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

PL Area	Licensee	Start	County	O.S. 6"	Minerals
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	Amcorp Ireland 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
3774	Oriel Selection Trust Ltd.	27/04/05	Mayo	72, 81, 102	Bm, b, s, g
3782	Fractore Pty.	11/07/02	Tipperary	58,59,66,67	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
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
3824	Aurum Mineral Resources	27/05/04	Limerick	31, 32	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
3857	Minco Ireland Ltd.	28/07/03	Wicklow	34, 35, 39, 40 44, 45	Bm, b, s, g
3858	Ovoca Resources Plc	17/01/97	Wexford Limerick	1, 2 27, 28, 35, 36, 43	Bm, b. s. g
3859	Ovoca Resources Plc.	17/01/97	Limerick	27, 28, 36	Bm, b, s, g
3854	Asarco Exploration Inc.	31/10/00	Offaly	26,27,33,	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
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

PL Area	Licensee	Start	County	O.S. 6"	Minerals
3887	Oriel Selection Trust Ltd.	27/04/05	Mayo	63, 72, 73	Bm, b, s, g
3891	Dan Morrissey (Ireland) Ltd.	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
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
3923	Tara Mines Ltd.	27/05/04	Limerick	12, 13, 21, 22	Bm, b, s, g
3924	Aurum Mineral Resources	27/05/04	Tipperary Limerick	50, 51, 58, 59, 33a	Bm, b, s, g
3925	Connemara Mining Co. Ltd.	28/01/05	Meath	9, 10, 15	Bm, b, s, g, PGE
3926	Connemara Mining Co. Ltd.	28/01/05	Meath	9, 10, 15, 16	Bm, b, s, g, PGE
3929	Oriel Selection Trust Ltd.	24/04/05	Mayo	72, 73, 81, 82	Bm, b, s, g
3930	Oriel Selection Trust Ltd.	27/04/05	Mayo	63, 73, 74, 83	Bm, b, s, g
3931	Dan Morrissey (Irl) Ltd	27/04/05	Carlow Laois	6, 36, 37	Coal, Fireclay

Prospecting Licences Offered and Advertised

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

PL Area	Licensee	County	Minerals
666	Teck Cominco Ltd.	Longford	Base metals, barytes, silver, gold & Platinum Group Elements
934	Gary R.C. Brown	Galway	Base metals & silver
1322	Tara Mines Ltd.	Meath	Base metals, barytes, silver & gold
1323	Tara Mines Ltd.	Meath	Base metals, barytes, silver & gold
1325	Tara Mines Ltd.	Meath	Base metals, barytes, silver & gold
1339	Tara Mines Ltd.	Meath	Base metals, barytes, silver & gold
1344	Teck Cominco Ltd.	Westmeath	Base metals, barytes, silver, gold & Platinum Group Elements
1345	Teck Cominco Ltd.	Westmeath	Base metals, barytes, silver, gold & Platinum Group Elements
1346	Teck Cominco Ltd.	Westmeath	Base metals, barytes, silver, gold & Platinum Group Elements
1347	Teck Cominco Ltd.	Westmeath	Base metals, barytes, silver, gold & Platinum Group Elements
1351	Teck Cominco Ltd.	Westmeath	Base metals, barytes, silver, gold & Platinum Group Elements
1352	Teck Cominco Ltd.	Westmeath	Base metals, barytes, silver, gold & Platinum Group Elements
3324	Tara Mines Ltd.	Meath	Base metals, barytes, silver & gold
3346	Tara Mines Ltd.	Meath	Base metals, barytes, silver & gold
3622	Tara Mines Ltd.	Meath	Base metals, barytes, silver & gold
3634	Teck Cominco Ltd.	Longford	Base metals, barytes, silver, gold & Platinum Group Elements
3638	Tara Mines Ltd.	Meath	Base metals, barytes, silver & gold
3679	Belmore Resources Ltd.	Clare	Base metals, barytes, silver & gold
3842	Belmore Resources Ltd.	Louth	Base Metals, barytes, silver, nickel & Platinum Group Elements
3843	Belmore Resources Ltd.	Louth	Base metals, barytes, silver, nickel & Platinum Group Elements
3852	Tara Mines Ltd.	Meath	Base metals, barytes, silver & gold
3932	Tara Mines Ltd.	Westmeath	Base metals, barytes, silver & gold

INDUSTRY NEWS

During the last six months (May to October 2005) the mining sector has generally performed well, with Ireland continuing to account for a significant amount of Western European mine production of zinc and lead. In 2004, Ireland produced 42% of Western Europe's zinc and 29% of its lead. During the first eight months of 2005, Ireland has produced 40% of Western Europe's zinc and 28% of its lead; for the comparable period last year, the percentages were 42% and 30%. All three mines have continued to drill in search of further resources in the vicinity of their mines. Although the zinc price has, in general, remained buoyant, the strength of the euro against the dollar was a concern for the mining companies, since metal prices are dollar denominated. While there has been some correction in the exchange rate, the rise in oil prices is now beginning to impact on energy costs.

The discernable increase in optimism in the exploration sector has resulted in a significant increase in applications for Prospecting Licences, although the impact on the ground has yet to be seen.

Development

- **Navan (Boliden)**

Production at the **Boliden – Tara Mines** underground zinc – lead mine at Navan, Co. Meath during the first half of 2005 amounted to 1.23Mt grading 8.15% Zn and 1.52% Pb. This produced 170,000t of zinc concentrate (54.2% Zn) and 21,000t of lead concentrate (57.2% Pb). Total production (1977 to end 2004) amounts to 60Mt grading 8.37% Zn and 2.04% Pb.

At the end of 2004, Tara's JORC Classified Ore Reserves for the entire orebody amounted to 16.3Mt at 8.7% Zn and 1.9% Pb with an additional 20.2Mt of Mineral Resources grading 7.2% Zn and 2.1% Pb.

An electric motor breakdown at one of the grinding mills caused production disruptions in June. Production of zinc and lead concentrates declined by approximately 40 per cent over the 6 weeks that it took to carry out repairs. The mine returned to full production in mid-July.

In September, Outokumpu sold their remaining 16.1% shareholding in Boliden, Tara's parent company. The shareholding was purchased by institutional investors.

- **Lisheen (Anglo American)**

During the first six months of 2005, **Anglo American** milled 0.71Mt of ore grading 12.51% Zn and 2.00% Pb from the underground mine at Lisheen, Co. Tipperary. This produced 152,000t of zinc concentrate (53.6% Zn), and 17,000t of lead concentrate (60.7% Pb). Total production (1999 to end June 2005) is 7.29Mt grading 11.71% Zn and 2.24% Pb. Reserves at end June 2005 were 11.26Mt grading 11.64% Zn and 1.94% Pb, with additional Resources of 1.77Mt at 12.14% Zn and 2.10% Pb.

In October 2005, An Bord Pleanála granted planning permission to Anglo American to work minerals in the Bog Zone, northeast of the current underground workings. These minerals lie within the existing State Mining Lease area.

- **Galmoy (Arcon Mines)**

During the first half of 2005, **Arcon Mines Ltd.** milled 0.32Mt grading 13.2% Zn and 4.3% Pb from their underground zinc-lead mine at Galmoy, Co. Kilkenny. This provided 68,000t of zinc concentrate (52.2% Zn) and 14,000t of lead concentrate (64.1% Pb). Total production since start of

mining in 1997 to end June 2005 is 4.74Mt at 11.2% Zn and 2.2% Pb. Reserves at the end of March 2005 were 4.02Mt at 13.6% Zn and 4.0% Pb. Production from the high grade R zone at Galmoy is underway, following the issue of three new State Mining Licences between January and August 2005. The company achieved a 67% increase in turnover in 2004, to €37.3M (€22.3M in 2003), and a profit of €1.4M in 2004, compared to a loss of €0.7M in 2003

In April, **Lundin Mining** acquired Arcon International Resources, the parent company of Arcon Mines Ltd. Lundin, which is listed on the Toronto and the Stockholm Stock Exchanges, is a Canadian mining and exploration company with a primary focus in Europe. The principal asset of the company is the Zinkgruvan zinc-lead-silver mine in Sweden. Lundin Mining also holds more than 95% of the shares in North Atlantic Natural Resources (NAN), whose primary asset is the Storliden copper-zinc mine in northern Sweden. In addition, Lundin Mining holds a copper/gold exploration project in the Norrbotten Mining District in northern Sweden.

Arcon continued their near mine exploration programme, with particular attention being paid to areas on strike along the 'en echelon' G Fault system that links Galmoy with the nearby Lisheen zinc-lead deposit.

EXPLORATION

- **Company Activity**

Conroy Diamonds and Gold Plc (Conroy) have continued their gold exploration programme in the Lower Palaeozoic rocks of the Longford – Down massif. The programme has involved both regional and follow-up work. In April 2005 Conroy announced that, as a result of regional soil sampling programme, they had identified ten new targets that warranted follow-up work. Best values included 739ppb Au and 434ppb Au, with anomalies ranging up to 500m in length. In September, Conroy said that, as a result of follow-up closely-spaced deep overburden sampling, they had outlined a new gold-bearing structure 850m east of Tullybuck-Lisglassan and immediately north of the Orlock Bridge fault, a structure that the company have long regarded as very significant in terms of the potential for significant gold mineralization in the region. The 250m long structure, open in both directions, is elongate NW-SE, a similar orientation to other mineralized structures in the region. Conroy plans to carry out a programme of trenching to determine the extent of the gold mineralization, and to identify drill targets.

Minco (24%) and joint venture partner **Noranda** (76%) continued their drilling programme on the Pallas Green project in east Co Limerick. The current programme began in April 2005, and will comprise 9,000 metres of drilling. The target is carbonate-hosted zinc-lead mineralization of Lisheen/Silvermines-type, located within the basal part of the Waulsortian Reef limestones. In August, Minco announced the intersection of a 5.3m interval (at 357m depth) grading 14.97% Zn and 4.5% Pb near Caherconlish. This intersection was followed by a 100m step-out to the SW that intersected 1.45m @ 5.39% Zn and 1.18% Pb (at a depth of 367m), and 2.7m @ 9.78% Zn and 0.02% Pb at 386m depth. Drilling in the area of Tobermalug, some 2.4km NE of Caherconlish, intersected a 24.1m zone of disseminated and massive Zn/Pb sulphides averaging 5.49% Zn and 0.68% Pb, at a depth of 320m. This included an 8.05m intersection of 10.20% Zn and 1.48% Pb at 326m depth. Noranda is now owned 100% by Falconbridge.

Tara Mines have two blocks of licences in Co. Limerick, the Adare Block (ten licences) in the west of the county, and the Kilmallock Block, in southeast Co. Limerick. In the Adare block Tara have, during the past six months, carried out a programme of soil geochemistry, geophysics (including EM), and diamond drilling. In the Kilmallock licences, Tara drilled three holes as well as completing soil geochemistry and geophysical surveys (gravity and ground magnetics). In Co. Wexford, Tara hold 21 licences over Lower Palaeozoic metasediments and metavolcanics, and have, with **Boliden Exploration** (Sweden), commenced a major geological review of the block.

- **Prospecting Licence Information**

On the 10th October 2005, a total of twenty-nine companies held 239 Prospecting Licences, primarily for base metals. During the past six months, three licences were issued. **Arcon International Resources** were granted a licence in Co Longford over area 186, which includes both the subeconomic Keel zinc deposit and significant barytes mineralization nearby, at Garrycam. The licence covers base metals, barytes and silver. **Minco** were awarded a licence in Co Limerick (PL area 3431), for base metals, barytes, silver and Platinum Group Elements. The area is immediately north of PL 636, also held by Minco, and part of the Minco-Noranda Pallas Green joint venture. **Belmore Resources** were issued a licence over PL area 3642 in Co Clare for base metals, barytes, silver and gold. The area lies immediately south of a block of eight licences in east Co Clare held by Belmore. A further twenty-two licences have been advertised and offered to a number of different applicants.



County Map of Ireland showing locations mentioned in the text. Adare (AD), Ballinalack (BK), Cregganbaun (CB), Caherconlish (CC), Galmoy (GY), Keel (KL), Kilmallock (KM), Lisheen (LI), Navan (NA), Pallas Green (PG), Tullybuck-Lisglassan (TL)

Exploration Support

In order to encourage exploration, the Exploration and Mining Division continue to maintain a number of complementary exploration support programmes. The central theme in each of these programmes is the provision of data, free of charge and in digital format.

- **The MAPS Project**

The MAPS (Minerals Administration Programme Support) Project is designed to provide online clients with all the available background data to assess ground and undertake permitting and eBusiness. MAPS consists of an industry-focused website (www.minex.ie), a web-enabled GIS application (“GEMS”), a back-office workflow system, and an integrated online business facility. Those elements of the system that are currently outstanding include the back-office system (due for completion in late 2005) and the full online business facility, which will be completed in 2006.

- **Data Availability Programmes**

Exploration Company Reports Data Release. Since 1st May 2005, the Exploration and Mining Division have concentrated their efforts on completing the online availability of all non-confidential exploration company data held in the Division. In the last six months, additional reports relating to some 343 Prospecting Licence areas have been uploaded onto the minex.ie website. Of these, 87 represent new area coverage. The 35-year backlog of company reports awaiting public release has now been cleared.

Online data is now available for over 650 Prospecting Licence areas (in excess of 40% of the ground covered by PL areas, see Figure). Although not online, a wealth of additional historic company reports relating to pre-2000 exploration can also be accessed via the Geological Survey of Ireland's Open File.

Digital Prospecting Licence Data. A colour Prospecting Licence Area map is published on 1st May and 1st November each year. A digital version of this map on CD-ROM is available. Please email: EMDTechnical.info@dcmnr.gov.ie To obtain a free copy.

Airborne Geophysical Data Release. No additional airborne data has been released since August 2004.

• **Target Areas Programme**

The Target Areas Programme was established to stimulate exploration interest in specific areas of the country by providing focused information and added value to the ongoing data release programmes where appropriate.

Three digital products have been produced to date: 1) Gold Occurrences in Ireland (2004), 2) The Ballinalack Zn-Pb Deposit (2005) and 3) Cregganbaun and Adjacent Gold Target Areas (2005). Each CD-ROM contains pertinent GIS data (together with a free GIS viewer for data visualization), plus a collection of relevant company reports and technical papers. A fourth target area product, The Airborne Magnetic Interpretation Project, in partnership with PGW Europe Ltd., has continued to be delayed due to other work priorities. It is anticipated that digital products developed as part of this project will be available for release in early 2006.

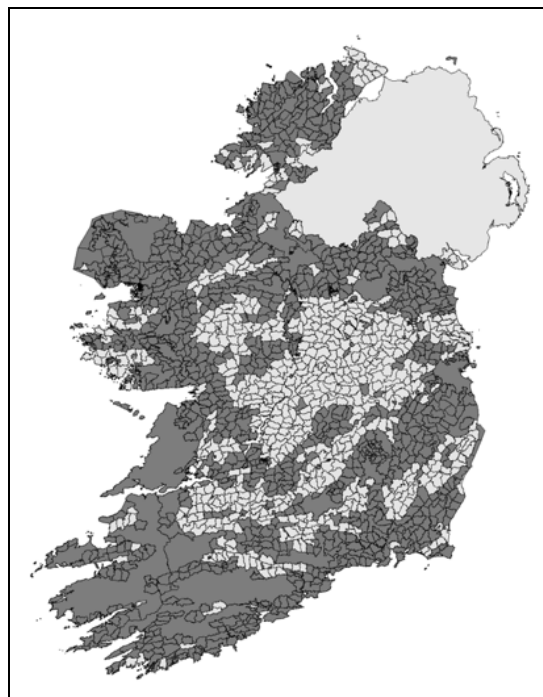
Joint Venture Opportunities

Six Prospecting Licence holders are seeking joint venture partners. The companies that have properties on offer are: Arcon Exploration, Asarco Exploration, Cambridge Mineral Resources, Glencar Mining, Minco, and Mineral Estates (Ireland) Ltd. A booklet providing details of the licence areas on offer is available from the Exploration and Mining Division.

Silvermines Historic Mining District

Following a series of animal deaths in 2000, the then Department of Marine and Natural Resources undertook to provide costed management/remediation plans for all mining related sites in the Silvermines district. The plans were prepared by consultants to the Department and presented to the public in May 2002.

In August 2005 Mr. Noel Dempsey, T.D. the Minister for Communications, Marine and Natural Resources, announced the provision of €10.6 million funding by the State for the rehabilitation of all the historic mine sites in the area of Silvermines.



Map showing Prospecting Licence areas for which exploration data is available online. The coverage relates to all data released since 1st January 2000. (Areas in Light grey have data released).

North Tipperary County Council will be responsible for executing the rehabilitation scheme, which will be carried out in accordance with plans produced by the Department's consultants, SRK Consulting, Cardiff. It is envisaged that major works will commence towards the end of 2006, after the appointment of consultants, contractors, and securing the necessary permissions / permits from the Environmental Protection Agency and North Tipperary County Council.

Exploration and Mining Expenditure for 2004

We regret that the 2004 expenditure figures for mineral exploration and development, determined on the basis of data supplied by Prospecting Licence and State Mining Facility holders, is not available. When compilation of the figures has been completed, they will be published on the Exploration and Mining Division's industry focussed website at www.minex.ie

PDAC Convention, Toronto, March 2006

The 74th Annual Convention and Trade show of the Prospectors and Developers Association of Canada (PDAC) will be held in Toronto from 5th to 8th March 2006. The Exploration and Mining Division will take its usual stand location at the Trade Show, adjacent to colleagues from Northern Ireland (Department of Enterprise, Trade and Investment, and the Geological Survey of Northern Ireland), in a combined 'Ireland' exhibit. The PDAC meeting is the biggest of its kind in the world, and in 2005 had an estimated attendance of 11,500, the largest in its history. If you are attending PDAC, please visit us at Booth 903.

APPENDICES

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

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, 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 viewing arrangements currently apply:

- Access to the Databank held by GSI. By making an appointment with the Minerals Section to view the papers at the GSI (see contact below), or by visiting the GSI Customer Centre and accessing the databanks through the public computer system.
- Digital copies. These may be obtained from GSI at a cost of €50 per CD. All digital data from EMD is free.
- Photocopies. These are supplied at cost. Currently the charges are: A0 €6.00; A1 €5.00; A2 €3.00; A3 €0.30; A4 €0.15

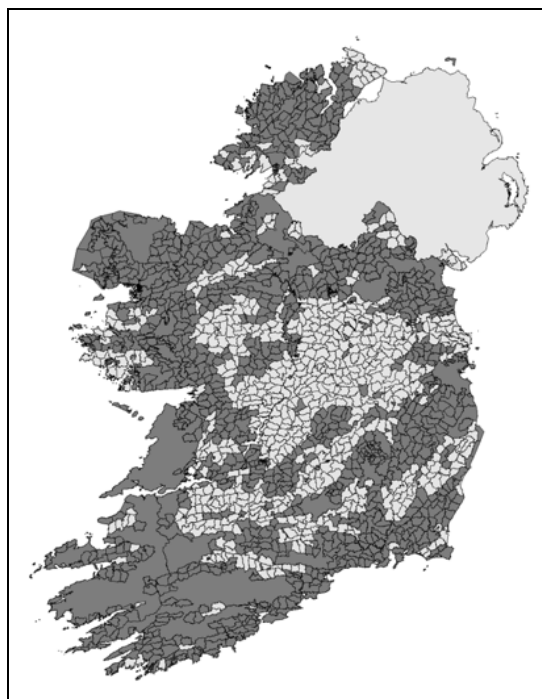
For appointments or further information, please contact either the **Geological Survey**, Ms Irene Hogan of the Minerals Section, Tel: 01-678 2751, Fax 01-678 2589, or the **Exploration and Mining Division** (Dr Wayne Cox, Tel: 01-678 2677, Fax: 01-660 9627).

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 Ms Irene Hogan of the Minerals Section, Tel: 01-678 2751, 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.minex.ie** website. Data relating to over 650 PL areas, including those in the current PL competition, are now available (also see p.23).



Map showing Prospecting Licence areas for which exploration data is available online. The coverage relates to all data released since 1st January 2000. (Areas in Light grey have data released).

Prospecting Licence Areas with Exploration Data Availability

- Additions from surrendered Prospecting Licences since 1st May, 2005

Clare 3550	Donegal 2964 3007 3008 3056 3062 3063** 3094 3496 3820** 3856	Galway 134 541 643 767 2093 2096 2097 2100 2686 2760 3507 3840 3913 3914
Kildare 3777		
Longford 185 1587 3633		
Limerick 2696 2835 3318 3590 3807*	Meath 3660 3839	
	Offaly 506*	Roscommon 2105
Tipperary 2069 3807*	Westmeath 506*	Wexford 3509

* Indicates that the licence area extends into a neighbouring county.

** Available for minerals other than Base metals, barytes, silver and gold

- Additions from currently held Prospecting Licences since 1st May, 2005, i.e. reports more than six years old.

Carlow	Longford	Limerick	Monaghan
1597	186	786	1870
	581	1583	2194
Cavan	582	1948	
1051	1586	1949	Offaly
	3363	2530	649A
Clare	3364	3249	2016
3863		3342	2670
	Laois	3366	2671R
Donegal	586R*	3367	3115
3063	2218	3368	3668*
3820		3369	
	Tipperary	3488	Westmeath
Kildare	626	3489	505
3866	627	3858	1226
	2258	3859	1228
Kilkenny	2448		1229
586R*	3156	Meath	3722
3245R	3425	1053	
	3569		
	3668*		
	3678		
	3727		

- **Consolidated List**

PL area numbers in bold italics refer to areas for which company exploration data can be viewed online (www.minex.ie) or obtained free in digital format from the Exploration and Mining Division where file sizes are too large. Data relating to all other area numbers are available from the Geological Survey of Ireland (see page 28).

* Indicates that the licence area extends into a neighbouring county.

Carlow	3564	3729	2813	3536
1476	3566	3780	2814	3537
1477	3572	3787	2815	3538
1597	3579*	3788	2899	3586
2404	3623	3789	2901	3587
2832	3624	3806	2902	3605
2930		3808	2946	3612
2931	Clare	3809	2947	3613
3407	11*	3810	2948	3619
3411	742		2949	3626
3711	1951	Cork	2953	3656
3893	1952	1554	2967	3671
3894	2317	1780	2983	3702
	2414	1786	2998	3716
Cavan	2415	1940	3010	3717
1051	2570*	2024	3011	3718
1135	2571	2033	3012	3723
1136	2590	2048	3013	3733
1140	2863	2260	3014	3741
1142	2892	2280	3033	3801
1695	2895	2381	3046	3805
1696	2896	2392	3047	3823
1697	2945	2393	3049	3860
2139	3005	2394	3050	3899
2140	3057	2395	3107	3900
2827	3116	2437	3108	3901
2965	3225	2439	3187	3902
2966	3501	2442	3202	
2988	3502	2444	3203	Donegal
3130	3503	2484	3204	1414
3131	3504	2485	3228	2072
3269	3508	2487	3229	2073
3270	3509	2597	3230	2083
3277	3550	2599	3231	2084R
3400	3640	2637	3294	2085
3414	3641	2708	3295	2086
3526	3642	2713	3328	2087
3539	3643	2730	3338	2088
3540	3644	2732	3365	2110
3562	3679	2740	3435	2111
3563	3728	2812	3535	2112

2115	3040	2968	1796	2760
2116	3056	3045	1797	2848
2118	3062	3139	1798	2885
2246R	3063	3143	1799	2886
2290	3069	3218	1800	2887
2349	3070	3219	1958	2888
2351	3071	3220	1959	2889
2354	3072	3221	1960	2932
2357R	3073	3284	1979	2938
2358	3074	3664	1980	2939
2359	3079	3665	1982	2940
2545	3088	3821	1983	2941
2546	3089	3865*	2090	2942
2547	3090		2091	2943
2548R	3091	Galway	2092	2959
2727	3092	2	2093	3043
2795	3093	4	2094	3080
2796	3094	15	2095	3081
2798	3095	16	2096	3101
2799	3118	134	2097	3144
2800	3119	497	2098	3145
2801	3120	541	2099	3166
2802	3121	643	2100	3167
2803	3122	694A	2245	3169
2804	3123	767	2295	3170
2810	3128	769	2296	3226
2811	3132	930	2297	3227
2816	3133	934	2301	3251
2817	3134	939R	2318	3280
2818	3135	952	2449	3307
2819	3136	1102	2450	3362
2960	3153	1105	2451	3429
2961	3233	1235	2452	3459
2962	3236	1362	2520	3470
2964	3315	1364	2521	3471
2991	3326	1375	2526	3479
2992	3327	1376	2532	3480
3007	3361	1382	2533	3482
3008	3371	1431	2570*	3505
3020	3372	1432	2583	3506
3021	3496	1677	2584R	3507
3022	3543	1700	2585R	3567
3023	3557	1704	2646	3578
3024	3820	1762	2647	3615
3025	3855	1764	2685	3637*
3026	3856	1788	2686	3680
3035		1789	2687	3681
3036	Dublin	1790	2689*	3692
3037	1454	1791	2700	3742
3038	2697	1794	2724	3743
3039	2710*	1795	2734	3755

3756	3758	3796	3738	3674
3757	3783	3846	3739	3675
3758	3834	3865*	3740	3688
3781*	3835	3866	3828	3736*
3818	3836		3829	3853
3840	3837	Kilkenny	3830	
3861	3838	586R*	3832	Leitrim
3862	3847	1814	3928	563
3879		1815		879*
3880	Kildare	1913	Laois	1469
3881	600	2821	586R*	1668
3882	1316	2958	754	1670
3883	1317	2996	1640	1672
3884	1318	3105	1641	1673
3885	1604	3113	1646	1675
3886	1607	3165	1650	2776
3897	1608	3195	1652	2881
3898	1630	3211	1653	2993
3913	1631	3213	1654	3086
3914	1632	3214	2217	3162
3927	2062*	3215	2218	3568*
3928	2513	3216	2219	3585
	2514	3242	2320	3672
Kerry	2516	3245R	2321	3673
1911	2518	3313	2322	
2029	2822	3325*	2474	Limerick
2030	2823	3345	2476	449
2214	2824	3353	2512	450
2270	2830	3354	2623	468*
2586	2831	3355R	2624	635
2777	2834	3357*	2625	636
2869	3247*	3360*	2627	786
2933	3329	3404	2747	1302
2934	3330	3409	2748	1303
2935	3331	3520	3009	1457
2954	3332	3521	3147	1583
3016	3374	3522	3158	1584
3076	3427	3523	3160	1942
3077	3433*	3524	3239	1943
3281	3434	3525	3247*	1945
3370	3547	3559	3263	1946
3493	3549	3560	3312	1947
3494	3610	3645*	3322	1948
3495	3614	3693	3356	1949
3554	3649	3694	3357*	2529
3555	3684	3695	3438	2530
3556	3777	3696*	3458	2531
3742	3792	3708	3533	2579
3755	3793	3709	3542	2594
3756	3794	3736*	3662	2638
3757	3795	3737	3667	2696

2756	581	1030	2912	3791
2762	582	1031	2976	3811
2835	622	1032	3052	3812
2840*	666	1035	3125	3876
2845	667	1530	3126	3887
2850	1358	1531	3127	
2872	1586	1562	3148R	Meath
2927	1587	1679	3149	1053
3199	1588	1804R	3150	1171
3249	1801	1805	3151	1174R
3267	1802	1806	3173	1177
3268	1803	1810	3176	1319
3279	2579	1811	3182	1322
3293*	2664	1812	3240	1323
3308	2698	2225	3253	1324
3309	2774	2226	3255	1325
3318	2775	2229	3257	1327
3342	2780	2306	3258	1328R
3343	2989	2319	3303	1331
3344	3363	2396	3304	1332
3366	3364	2397	3337	1333
3367	3527	2398	3378	1334
3368	3628	2399	3379	1338
3369	3629	2401	3389	1339
3431	3630	2495	3390	1380R
3457	3633	2496	3391	1440R
3488	3634	2497	3392	1450*
3489		2498	3393	1451R
3544	Louth	2499	3394	1453R
3545	1040	2500	3395	1489R
3581	2201	2501	3419	1496
3582	2271	2502	3420	1500
3590	2742	2503	3423	1601
3608	3053	2504	3424	1661R
3650	3276	2505	3467	1991
3651	3278	2506	3510	2021
3654	3413	2507	3514	2063
3661	3701	2508	3515	2540
3705	3730	2610	3761*	2710*
3807*	3841	2640	3764	2778
3858	3842	2641	3765	2779
3859	3843	2643	3766	2836
3824	3911	2644	3767	2837
3908		2645	3768	2882
3923	Mayo	2875	3769	2883
	547	2879	3770	2884
Longford	663	2880	3771	2928
184	743	2908	3772	3060*
185	1022	2909	3773	3184
186	1028	2910	3774	3260
580	1029	2911	3790	3261

3300	3209	2864	3248	3383
3301	3469	3115	3436	3384
3341	3905	3129	3460	3385
3346		3159	3474	3386
3373	Offaly	3266	3561	3387
3410	480	3273	3685	3388
3558	481	3283	3637*	3396
3609	506*	3302	3686	3430
3611	607	3417	3744	3666
3621	608	3418	3745	3734
3622	649A	3432	3746	3735
3635	890	3475*	3747	3915
3636	1108	3648	3748	3916
3660	1110	3668*	3749	3919
3731	1111	3813	3750	
3732	1113	3814	3751	Tipperary
3819	1178	3854	3752	72
3825	1341	3868	3753	73
3839	1342	3907	3754	74
3851	1343	3920	3759	350
3852	1377		3760	468*
3873	1378	Roscommon	3761	605
3874	1624	562	3762	626
3875	1628	1046R	3763	627
3909	1919	1310	3781*	1575
3910	2016	1663	3848	1577
3912	2019	1665	3917	1578
3925	2323	1667	3934	1753
3926	2522	1680		2026
	2536	1899	Sligo	2027
	2537	1905	757	2068
Monaghan	2538	2101	1565	2069
1356	2539	2103	1580	2258
1357	2560	2105	1660	2286
1870	2561	2329	1688	2326
2193	2563	2330	1689	2447
2194	2663	2523	1690	2448
2254	2669	2524	2489	2471R*
2416	2670	2613	2490	2564
2677	2671R	2652	2491	2567
2678	2695	2653	2493	2568
2679	2702	2666	2772*	2604
2680	2757*	2705	2870	2621
2681	2758	2772*	2916	2622
2682	2759	2784	2917	2654
2683	2781	2787	2921	2655
2828	2782	2788	2923	2657
3027	2786	2981	3099	2717
3028	2859	2982	3380	2718
3066	2860	3059	3381	2839
3068	2861	3163	3382	2844

2852	3669	3201	2676	2267
3032	3670	3205	2757*	2268
3082	3677	3206	2866	2543
3097	3678	3207	3152	2544
3156	3689	3208	3232	2551
3161	3690*	3323	3324	2552
3185	3696*	3518	3405	2553
3188	3697*	3519	3406	2554
3189	3698	3570	3528	2555
3246	3699	3571	3529	2556
3262R	3700*	3574	3530	2557
3316	3703	3690*	3531	3001
3317	3704	3707*	3575	3031
3318	3705*	3713	3576	3155
3319	3706	3714	3583	3196
3320	3707*	3715	3588	3197
3321	3712*	3719	3589	3198
3358	3727	3720	3638	3237
3359	3782	3724	3639	3264
3360*	3785		3652*	3274
3401	3807*	Westmeath	3653	3275
3402	3826	382	3655	3296
3403	3827	505	3658	3297
3421	3844	506*	3659	3298
3425	3845	619	3722	3299
3426	3878	1043	3813*	3412R
3439	3892	1044	3877	3463
3440	3904	1117		3464
3441		1179	Wexford	3465
3447	Waterford	1181	1183	3466
3448	405	1226	1184	3483
3451	735	1228	1185	Wexford
3452	1554	1229	1188	3484
3453	1555	1244	1190	3509
3454	1556	1245	1191	3595
3455	1966	1344	1192	3597
3456	1967	1345	1193	3598
3475*	1985	1346	1194	3663
3476	1986	1347	1196	3822
3477	1987	1349	1197	3895
3497	1988	1351	1198	3896
3499	1990	1352	1199	
3552	2035	1353	1200	Wicklow
3569	2036	1383	1201	415
3573	2752	1384	1541	1473
3617	2754	1385	1542	1715
3618	3190	1387	1813	1716
3645*	3191	1388	2053	2239
3646	3192	1406	2236	2240
3647*	3193	2674	2237	2241
3668*	3194	2675	2238	2421

2426
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2470
2558
3029
3030
3138
3210
3265R
3272
3285
3286
3289
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3676
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3857
3864
3906

ADDRESSES OF COMPANIES HOLDING STATE FACILITIES

Prospecting Licences

Amcorp Ireland Ltd.

The Lisheen Mine
Killoran
Moyne
Thurles
Co. Tipperary

Aurum Exploration Ltd.,

40/41 Watergate Street
Navan
Co. Meath

Arcon Exploration Plc.

Castletown
Galmoy
Crosspatrick (via Thurles)
Co. Kilkenny

Arcon International Resources Plc.

Galmoy
Thurles
Co. Tipperary

Asarco Exploration Plc.

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

BHP World Exploration Inc.

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

Glencar Mining Plc.

71 Lower Baggot Street
Dublin 2

Belmore Resources Ltd.

103 Rathfarnham Wood
Dublin 14

Central Mining Finance

Charter Plc
52 Grosvenor Gardens
London SW1W OAU
UK

Clare Calcite Ltd.

Block 4b, Unit 5
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

Fractore PTY. Ltd.

11 French Street
Camberwell
Victoria 3124
Australia

John Gannon

FortBrowne
Lavally
Tuam
Co. Galway

Jadebay Ltd
9 Marine View
Phoenix Terrace
Blackrock
Co. Dublin

Minco Ireland Ltd.
c/o Fitzpatrick Morris Barrett
Chartered Accountants
74 Pembroke Road
Dublin 4

Ormonde Brick Ltd.
Castlecomer
Co. Kilkenny

Ovoca Resources Plc.
York House
Rear 176 Rathgar Road
Dublin 6

Oriel Selection Trust Ltd.
15 Joel Terrace
East Perth
6004 Western Australia

Tara Mines Ltd.
Knockumber House
Knockumber
Navan
Co. Meath

Westland Exploration Ltd.
11 Mespil Road
Dublin 4

Kenmare Resources Plc.
Chatham House
Chatham Street
Dublin 2

Mineral Estates (Ireland) Ltd.
c/o W. A. Exploration Services Pty Ltd
22 Montes Square
Riverton
Western Australia 6148
Australia

Dan Morrissey (Ireland) Ltd.
Bennykerry House
Carlow

Noranda Exploration Ireland Ltd.
35 Cleevaun
Craddockstown Road,
Naas
Co Kildare

Rennicks and Bennett Ltd.
c/o Tara Mines Ltd.
Knockumber
Navan
Co. Meath

Tournigan Gold Corporation
Suite 301
700 West Pender Street
Vancouver, BC
Canada U6C 1G8

Mining Facilities

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

Arcon Mines Ltd.
Galmoy
Thurles
Co. Tipperary

Connemara Marble Products Ltd
Moycullen
Co. Galway

Joyces Marble Quarries Ltd.
Lissoughter
Recess
Connemara
Co. Galway

Eurostone Ltd.
Gouldshill House
Mallow
Co. Cork

Killoran Lisheen Mining Ltd.,
Killoran
Moyne
Thurles
Co Tipperary

Flemings Fireclays Ltd.
The Swan
Athy
Co. Kildare

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

Flynn & Lehany Coal Mines Ltd.
17 Castle Street
Dalkey
Co. Dublin

Ormonde Brick Ltd.
Castlecomer
Co. Kilkenny

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

Tara Mines Ltd.
Knockumber House
Navan
Co. Meath

Roadstone Provinces Ltd.
Saggart
Co. Dublin

SPECIMEN FORMS

Companies are required to complete and submit a number of forms during the 'life cycle' of obtaining and relinquishing Prospecting Licences. The key forms are listed below, and copies are provided on the following pages.

- **Prospecting Licence Application Form**
- **Prospecting Licence Renewal Application Form**
- **Prospecting Licence Expiry/Surrender Form**
- **Confidential Work Summary Form**
- **Statement of Qualification Form**
- **Statement of Interest Registration Form**

These forms may be photocopied, downloaded from the www.minex.ie website, or obtained from:

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

Tel: (01) 678 2000
Fax: (01) 660 9627

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

**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)

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.....

.....

(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

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.....

(b) Which applicant can make available

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and the source

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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)

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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)

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

Date

.....

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.

PROSPECTING LICENCE RENEWAL APPLICATION FORM

Prospecting Licence No. Expiry Date.....

PL Area No. Licensee.....

- 1. We wish to make an application for renewal of this Prospecting Licence.
- 2. We enclose the documentation listed below.

Or

We undertake to provide the documentation listed below, at least 6 weeks prior to the licence expiry date (i.e. by/...../.....).

- 3. We accept that if all requirements are not provided by that date, this application to renew will be deemed invalid and the licence may not be renewed.

Requirements:

- The original of the licence document.
- A detailed account of work performed under the licence during the current phase, including details of all occurrences of minerals of potential economic significance. The relevant work report requirements are to be followed.
- The completed Confidential Summary of Work Form.
- Completed 'Statement of Qualification' Form
- Details of the proposed exploration programme for the next two years.
- A firm commitment to the relevant minimum expenditure requirements as given in the 1994 Terms, unless results, at any stage, indicate that further expenditure would not be justified. In that event, the licence will be immediately surrendered.
- Signed agreement to the conditions in the 'Form of Undertaking' (Form 3).

It is noted that no reminder for outstanding requirements will issue.

Signed.....
(authorised representative of the Licence holder)

Name of signatory (block letters).....

Date.....

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

PROSPECTING LICENCE SURRENDER/EXPIRY FORM

A SEPARATE FORM SHOULD BE COMPLETED FOR EACH PROSPECTING LICENCE.

- 1. Prospecting Licence No..... Issue date
- 2. PL Area No: County:.....
- 3. Licence Holder:.....
- 4. Surrendered / expired with effect from :
- 5. (a) Has any work been carried out in the area since submission of the last renewal/review report? **YES / NO**
- (b) If **YES**, has this work been reported to the Exploration & Mining Division **YES** (Date.....) / **NO**

Note: A FINAL REPORT IS REQUIRED. If it has not been sent in, it MUST be submitted not later than **THREE WEEKS after the date that this form is sent. If no work has been done since submission of the last work report, reasons should be given in the final report.**

- 6. (a) Has Diamond drilling with core recovery been carried out at any time during your tenure of the licence? **YES / NO**
- (b) If **YES**, please indicate
 - (i) Number of holes drilled
 - (ii) Total meterage
 - (iii) Location where core is stored
 - (iv) Contact name and phone number for access to core

- 7. Do you intend to retain the core? **YES / NO**

Note: If you do not intend to retain the core it must not be disposed of until written authorisation is received from EMD and signed by an Inspector of the Department of Communications, Marine and Natural Resources. Permission to dispose of core must be sought in writing (with appropriate details of core and location map) from the Exploration and Mining Division.

Signed:
(Authorised representative of the Licence holder)

Name of signatory (block letters) Date:

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

(November 2005)

CONFIDENTIAL SUMMARY OF WORK

Every Work Report (i.e. for each Prospecting Licence area), must be accompanied by a completed "Summary of Work" form. This summary should include all work carried out in the Prospecting Licence area during the period to which the report relates (generally the previous two years).

Please answer for all categories of work. If no work was carried out, enter "None". For these entries, no entry is required for the "Cost" window. Costs should be entered to the nearest €100.

Prospecting Licence Area	<input type="text"/>	
Date issued	dd / mm / yy <input type="text"/>	
Work period	From <input type="text"/>	to <input type="text"/>
Licensee	<input type="text"/>	
Operator	<input type="text"/>	
Type of report (X in box)	1. Renewal <input type="checkbox"/>	2. Review <input type="checkbox"/>
	3. Expiry <input type="checkbox"/>	4. Surrender <input type="checkbox"/>
Submitted by	Name of individual submitting this summary (block capitals) <input type="text"/>	
Date	dd / mm / yy <input type="text"/>	
Signature	<hr/>	

WORK CARRIED OUT**Geology**

	Area (sq. km)	Cost €
(a) Geological Mapping	<input type="text"/>	<input type="text"/>
(b) Prospecting	<input type="text"/>	<input type="text"/>
Other Technique		
(c) <input type="text"/>	<input type="text"/>	<input type="text"/>
(d) <input type="text"/>	<input type="text"/>	<input type="text"/>

Geochemistry

	Number of samples	Cost €
(a) Soil	<input type="text"/>	<input type="text"/>
(b) Stream sediment	<input type="text"/>	<input type="text"/>
(c) Deep overburden	<input type="text"/>	<input type="text"/>
(d) Lithochemochemistry	<input type="text"/>	<input type="text"/>
(e) Assays (core)	<input type="text"/>	<input type="text"/>
Other Sample type		
(f) <input type="text"/>	<input type="text"/>	<input type="text"/>
(g) <input type="text"/>	<input type="text"/>	<input type="text"/>

Geophysics

	Area (sq. km)	Cost €
(a) Airborne (i) Magnetics	<input type="text"/>	<input type="text"/>
(ii) EM	<input type="text"/>	<input type="text"/>
Other Technique		
(iii) <input type="text"/>	<input type="text"/>	<input type="text"/>
(iv) <input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Ground (i) IP / Resistivity	<input type="text"/>	<input type="text"/>
(ii) EM (incl. TEM)	<input type="text"/>	<input type="text"/>
(iii) Gravity	<input type="text"/>	<input type="text"/>
(iv) VLF EM	<input type="text"/>	<input type="text"/>
Other Techniques		
(v) <input type="text"/>	<input type="text"/>	<input type="text"/>
(vi) <input type="text"/>	<input type="text"/>	<input type="text"/>
(c) Borehole geophysics (Specify Technique)		
(i) <input type="text"/>	Number of holes <input type="text"/>	Cost € <input type="text"/>
(ii) <input type="text"/>	<input type="text"/>	<input type="text"/>

Drilling and Trenching

	Number of holes	Metres drilled	Cost €
(a) Diamond drilling (cored)	<input type="text"/>	<input type="text"/>	<input type="text"/>
(b) Open hole drilling	<input type="text"/>	<input type="text"/>	<input type="text"/>
(c) Trenching		Metres trenched	<input type="text"/>

Other work

(a) Environmental		Cost €	<input type="text"/>
Other type of work		Cost €	
(b)	<input type="text"/>		<input type="text"/>
(c)	<input type="text"/>		<input type="text"/>

6. Total estimated cost of all work carried out €
The proposed exploration programme for the next two years will include:

.....

.....

.....

.....

(November 2005)

STATEMENT OF QUALIFICATION FOR TECHNICAL REPORTS

This declaration is to be completed by the author of the report(s) or by the individual responsible for endorsing and signing off technical reports, and should be attached to the front of the report.

PL areas.....

County(ies)

Period to which report relates

Declaration

The attached report has been approved by the undersigned, a Qualified Person as recognised by the Exploration and Mining Division, Department of Communications, Marine and Natural Resources.

Name (Capitals).....

Professional Association (current membership number).....

.....

Relevant area(s) of expertise as recognised by the Professional Association

.....

Signature.....

Date.....

**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

County(ies)

Minerals of interest are:

The area concerned is included:

(a) within the following Prospecting Licence areas:

and as marked on the attached copy of the relevant part of the most recent map of

'State Mining and Prospecting Areas' 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's name and address

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

Date:

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