

**DEPARTMENT OF COMMUNICATIONS,
MARINE AND NATURAL RESOURCES**

MINERALS DEVELOPMENT ACTS, 1940-1999

**REPORT BY THE MINISTER FOR COMMUNICATIONS,
MARINE AND NATURAL RESOURCES
FOR THE SIX MONTHS ENDED
30 JUNE 2003**

**IN ACCORDANCE WITH SECTION 77 OF THE MINERALS
DEVELOPMENT ACT, 1940 AND SECTION 8 OF
THE MINERALS DEVELOPMENT ACT, 1979**

EXPLORATION AND MINING DIVISION
Minerals Production MP 21/03

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MINERALS DEVELOPMENT ACTS, 1940-1999

REPORT BY THE MINISTER FOR COMMUNICATIONS, MARINE AND NATURAL RESOURCES FOR THE SIX MONTHS ENDED 30 JUNE 2003

This **Report** is compiled under Section 77 of the Minerals Development Act, 1940 and Section 8 of the Minerals Development Act, 1979.

The **Report** sets out details of the State Mining Leases, State Mining Licences and Prospecting Licences current as of **30 June 2003** and the total amount of all moneys collected by the Minister under or by virtue of any such Lease or Licence or otherwise in connection with the Minerals Development Acts for the six months ended **30 June 2003**.

As of **30 June 2003** there were:

- **5** extant State Mining Licences
- **11** extant State Mining Leases
- **309** extant Prospecting Licences

In the period of six months ended **30 June 2003**:

- **5** Prospecting Licences were granted
- **44** Prospecting Licences were surrendered
- Total receipts amounted to **€642,832.06**.

HIGHLIGHTS OF PERIOD

- The low price of zinc continues to cause financial problems for mining in Ireland. Despite this, Outokumpu-Tara Mines Limited, which employs 700 people at its Navan mine, the largest zinc and lead mine in Europe, applied for planning permission from Meath Co. Council in April 2003 to develop the Nevinstown part of the Navan ore body, formerly owned by Bula Limited.
- Mining continued at the other base metal mines, Lisheen, Co. Tipperary, and Galmoy, Co. Kilkenny. Arcon Mines Limited, developer of Galmoy, having successfully concluded a restructuring of its long-term debt and a rights issue of over \$28m, has applied for planning permission and a new State Mining Facility to develop a newly discovered ore zone with exceptionally high mineral grades (18.2% Zn and 6.9% Pb).
- Irish Gypsum Limited intends to apply for planning permission for a new underground mine within the area of its current State Mining Lease.
- Fifteen Prospecting Licences have been offered to Tournigan Gold Corporation for gold exploration in Co. Donegal.

RECENT DEVELOPMENTS IN EXPLORATION AND MINING

The historically low price of zinc has resulted in a major reduction in grassroots exploration, with activity now largely restricted to the vicinity of mine sites. However, as a result of concessions made in August 2002 by the Minister of State at the Department of Communications, Marine and Natural Resources, Mr. John Browne T.D., many Prospecting Licence (PL) holders have been able to retain their Licence holdings. It is expected that when the exploration climate improves, these companies will be in a position to resume exploration without delay.

On the production side, underground zinc-lead mining continued at the **Outokumpu-Tara Mines** Navan mine (Co. Meath), the **Anglo American-Ivernia West** Lisheen mine (Co. Tipperary), and the **Arcon** Galmoy mine (Co. Kilkenny). Also, Arcon has applied for a new State Mining Facility to work the recently discovered additional 2.0Mt of high-grade ore adjacent to the Galmoy mine.

The recent gold price rise has also caused renewed interest in gold exploration. **Conroy Diamonds and Gold** announced further intersections of gold mineralisation at Corcaskea in Co. Monaghan. Fifteen PLs have been offered to **Tournigan Gold Corporation** for gold exploration in Co. Donegal. Tournigan is a junior Canadian exploration company new to Ireland.

DEVELOPMENT

• **Galmoy (Arcon Mines)**

During 2002, **Arcon Mines Limited** milled 660,000t of ore grading 10.1% Zn and 2.8% Pb at its underground zinc-lead mine at Galmoy, Co. Kilkenny. This yielded 102,000t of zinc concentrate (53.1% Zn) and 2,500t of lead concentrate (48.3% Pb). Total production to end 2002 amounts to 3.1Mt of ore milled at 10.6% Zn and 1.11% Pb. At the end of December 2002, ore reserves were 3.3Mt at 11.0% Zn and 2.1% Pb.

In March 2003, Arcon announced a resource estimate and the fourth set of results from its near-mine drilling programme. The new mineralised zone (the R Zone) is estimated to contain an indicated resource of 2.0Mt grading 20.6% Zn, 8.1% Pb and 75g/t Ag. The R Zone lies approximately 125m southeast of the CW South ore body. It has an average thickness of 9m, compared with the average thickness of the CW ore body of 5.6m, and the resource zinc grade is approximately double that of the average grade of the CW ore. Arcon states that the resource "...doubles the mine's contained metal content and will extend the mine's life into the next decade." (Arcon Press Release, 6 March 2003).

• **Lisheen (Anglo American – Ivernia West)**

The underground zinc-lead Lisheen Mine in Co. Tipperary is a 50:50 joint venture between **Anglo American** and **Ivernia West**, and is operated by Anglo American. During 2002 the mine milled 1.56Mt of ore at 11.15% Zn and 2.07% Pb. This produced 281,000t of zinc concentrate at 54.5% Zn and 36,000t of lead concentrate at 62% Pb.

Total production since mining commenced in 1999 is 3.57Mt at 11.34% Zn and 2.55% Pb. Reserves at end December 2002 stood at 12.8Mt at 11.26% Zn and 1.96% Pb, with additional resources of 2.32Mt at 9.86% Zn and 1.23% Pb.

- **Navan (Outokumpu Tara Mines)**

The Navan mine of **Outokumpu Tara Mines Limited** is Europe's largest zinc concentrate producer. Current production capacity is 200,000t of zinc in concentrates annually, and this will rise to 240,000t in 2004. The concentrates are exported mainly to European smelters, and the mine employs some 650 people. During 2002 (September to December) the mine milled 755,000t of ore grading 7.02% Zn and 1.57% Pb. (Mining had been suspended for the period November 2001 to August 2002). This yielded 89,000t of zinc concentrate (55.12% Zn) and 13,000t of lead concentrate (63.31% Pb).

Since mining at Navan began in 1977, total production amounts to 55.2Mt at 8.35% Zn and 2.06% Pb. Reserves at 31 December 2002 were as follows: Ore Reserves (Proven and Probable), 11.9Mt at 9.18% Zn, 2.07% Pb; Mineral Resources (Measured, Indicated and Inferred), 17.4Mt at 7.1% Zn, 2.3% Pb. These figures include only the main mine and the South West Extension (SWEX). They do not include ore from Nevinstown (the "Bula" ore body), acquired in 2002. Further drilling is being carried out here to confirm tonnages.

- **Knocknacran (Irish Gypsum)**

Gypsum has been continuously mined near Kingscourt, Co. Cavan since 1936. In 2002, **Irish Gypsum** produced some 400,000t of gypsum from its opencast mine at Knocknacran. The company intends to apply for planning permission during 2003 for a new underground gypsum mine within the area of its current State Mining Lease.

EXPLORATION

- **General**

Very little base metal exploration has been carried out during the past six months, primarily due to the historically low price of zinc. The exception has been in near-mine exploration. There has also been something of a resurgence in gold exploration, attributable to the rise in the price of that metal.

- **Company Activities**

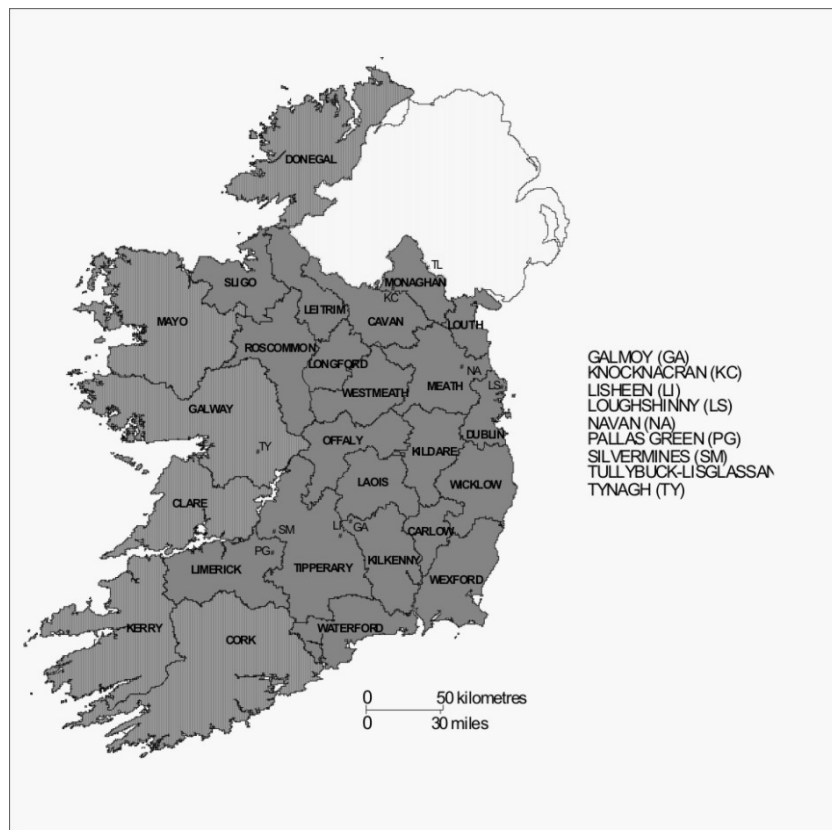
In March, **Arcon Exploration Plc.** announced a resource estimate and the fourth set of results from its continuing exploration drilling programme at the Galmoy mine. The company had been evaluating a high-grade mineralised zone (the R Zone) that lies approximately 125m southwest of the CW South ore body. The latest holes were drilled north of the deposit, which is still open to the northwest. Arcon announced an indicated resource of 2.0Mt at 20.6% Zn, 8.1% Pb and 75g/t Ag, at a 4.5% Zn cut-off. Some exceptionally high-grade intersections were drilled, including 31.3m at 31.8% Zn (Hole 116) and 17.9m at 33.9% Zn (Hole 114).

Asarco Exploration Company Inc. (a subsidiary of **Grupo Mexico**) currently holds 15 PLs over Lower Carboniferous terrain in the east and south Midlands. Changes in company structure over the past number of years, coupled with market realities, have resulted in significantly reduced budgets. Despite this, Asarco has retained a positive programme in Ireland, and it is expected that the company will resume active exploration when the zinc price improves.

Aurum Exploration

Limited was incorporated in May 2002 by the Irish-based technical staff of Navan Mining Limited, following the cessation of that company's exploration activities and withdrawal from Ireland. Aurum currently operates as both a mineral exploration service and mineral exploration company. Aurum has acquired proprietary rights to all Navan's Irish assets, including extensive drill hole, geochemical and geophysical databases. In addition, the company continues to manage Navan's remaining interests in its joint venture with Tara Mines Limited in Ireland (mostly in the Tynagh area), and is contracted to operate the Licences currently held under this joint venture

agreement (47% Navan, 53% Tara), for which results to date have been encouraging. Aurum currently holds eight PLs in Ireland for base and precious metals.



County map of Ireland showing locations mentioned in the text

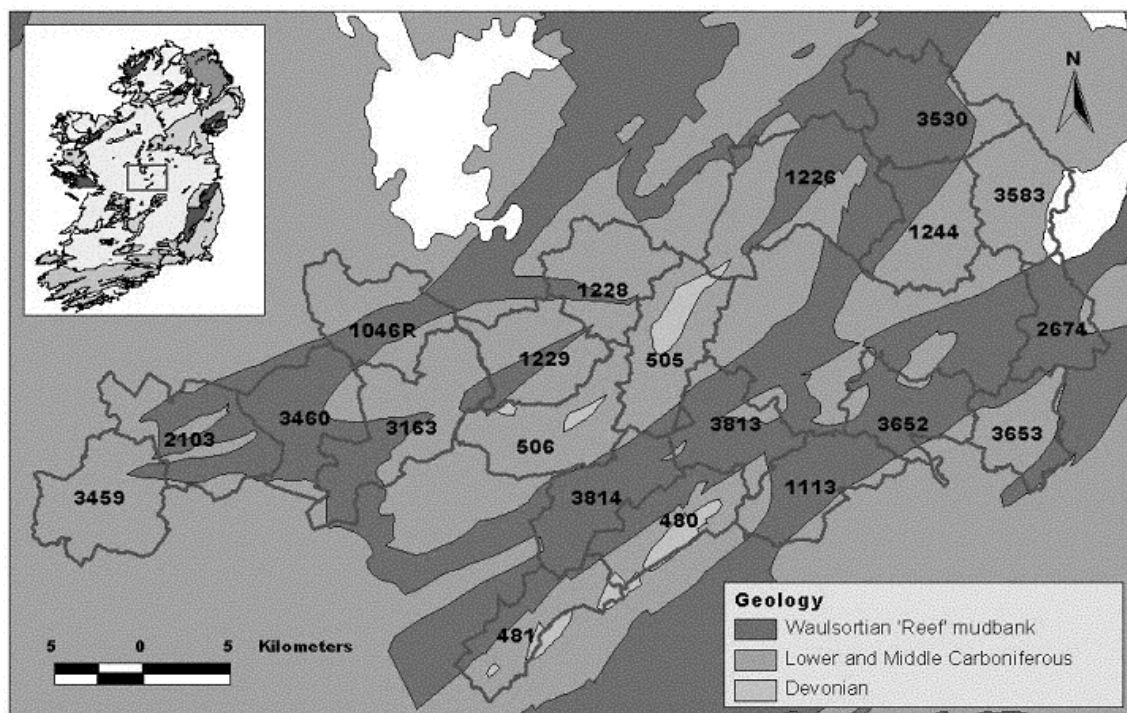
Conroy Diamonds and Gold Plc.'s gold-dominated exploration programme in the Republic of Ireland is focused on the Lower Palaeozoic Longford-Down Massif, where drilling has identified three separate gold plays. In addition, a recent detailed soil geochemistry programme at Corcaskea, approximately 1km north of the main Tullybuck-Lisglassan prospect, has defined a gold anomaly some 400m long. Subsequent trenching to bedrock intersected a wide fault zone with best values of 12m of 4.92g/t Au in one trench, and 23m of 2.25g/t Au in another. Drilling followed at this prospect, confirming the presence of gold, with a best intersection of 3.65m at 1.76g/t Au at a depth of 6.35m.

The exploration focus of **Minco** is on the 13-Licence block in the Pallas Green area of Co. Limerick. Together with its 75% partner **Noranda**, Minco has discovered a new and extensive mineralized zone 12km west of Castlegarde, where two high-grade massive base metal (Pb, Zn) sulphide lenses had been previously discovered by the partners. Minco regards the Pallas Green area as one of the best zinc targets in Ireland. However, most of the 25km long zone remains unexplored by drilling. No work has been done in the area since December 2002, following the withdrawal of Noranda from active exploration in Ireland. Minco is actively seeking a partner to continue drilling.

JOINT VENTURE OPPORTUNITIES

In March 2003, the Exploration and Mining Division (EMD) produced a leaflet entitled *Mineral Exploration in Ireland: Joint Venture Opportunities*. The leaflet contains

2. Exploration Data Release 2002. Until recently, the only company exploration reports available to the public were from exploration ground that had been surrendered. Under this initiative, all reports more than six years old from currently held PL areas will be made available, providing a wealth of previously unavailable information **free of charge**. The initial phase is focused on long-held areas that comprise a third of the current holdings, with data on over forty such areas released on CD in the last six months. All reports, drill logs and maps are in digital format. Reports from areas surrendered since January 2000 are also being made available digitally in a similar manner.



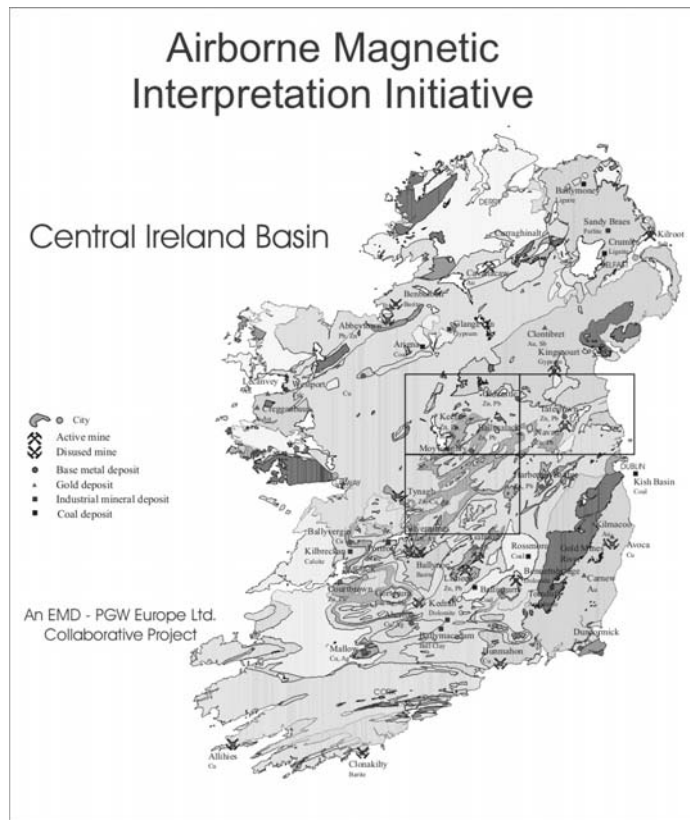
Map showing the latest Prospecting Licence areas for which exploration data has been released under the Exploration Data Release Initiative

3. Airborne Magnetic Interpretation Initiative. In late 2002, EMD agreed a Public-Private Partnership (PPP) Programme with **PGW Europe Limited**. PGW will process and interpret the newly released airborne magnetic data covering the highly prospective Central Basin region of Ireland. Three blocks are involved (see figure on next page), the first of which will be available **free** on CD in Autumn 2003. The objectives of the Initiative are twofold, (a) to interpret the basement structure, tectonic framework and lithology from the airborne geophysical results, and (b) to correlate and combine these results with the known geology of central Ireland to aid identification of potential exploration targets for base metal mineralisation. The Interpretation Initiative essentially involves the application of improved processing techniques.

4. The MAPS Initiative. The MAPS (Minerals Administration Programme Support) Initiative is an ambitious major project designed to provide industry globally with all the necessary information and available background data to assess ground and handle the business requirements of exploration permitting through the Internet. The project was initiated in December 2001, and is scheduled to be completed in late 2003. The key

elements of the Initiative are streamlining internal processes and automated regulatory procedures, leading to quicker permitting, e-Enabled business, with **free** web access to all the data being released under the other Initiatives. All geographically-based data

(Licence areas, base maps, environmentally restricted areas, forestry coverage, basic geology, airborne and ground exploration maps etc.) will all be available in GIS format. The first phase can now be seen online at www.emd.ie. This provides an e-Business facility for applying for Prospecting Licences, regulatory information, a range of GIS datasets that includes ground status, and limited exploration company data. The site will be progressively upgraded, and the content range expanded under the project. In doing so, we welcome customer feedback and any proposals for improvement. The Initiative is committed to establishing Ireland at the forefront internationally in terms of offering maximum ease of access to full information availability and business transactions.



Map showing areas covered by the Airborne Magnetism Interpretation Initiative

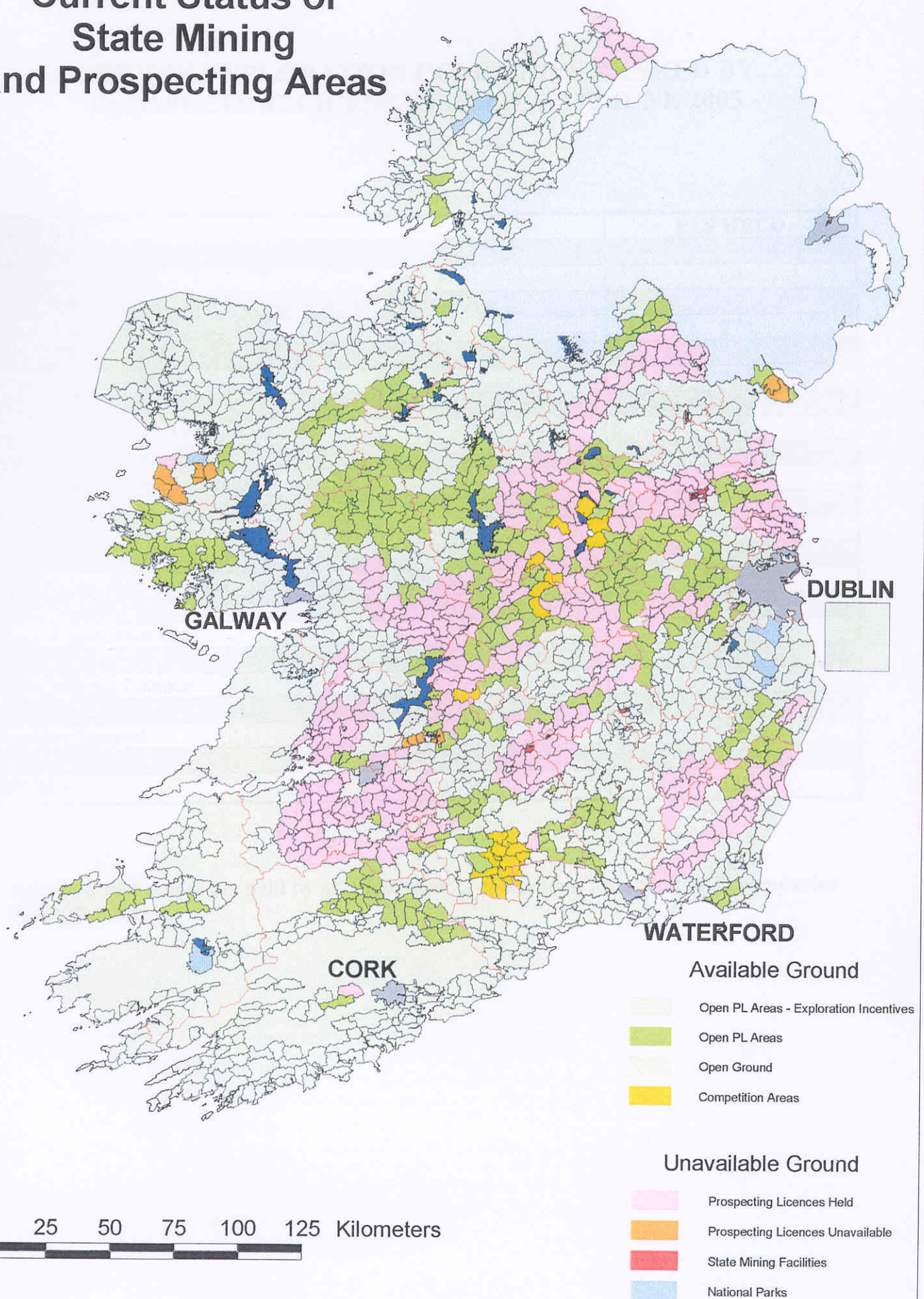
PDAC CONVENTION 2003, TORONTO

The 71st Annual Convention and Trade show of the Prospectors and Developers Association of Canada (PDAC) was held in Toronto from 9 to 12 March 2003. EMD 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.

WEBSITE

The Department of Communications, Marine and Natural Resources website, www.dcmnr.ie has recently been updated, and includes useful information on the Exploration and Mining Division. EMD also has its own IP address at www.emd.ie, which gives direct access to the EMD area of the Department's website. We invite you to visit the sites and to let us know how we can be of further help to you. As outlined above, our recent initiatives will result in substantial improvements over the next few months.

Current Status of State Mining and Prospecting Areas



**TOP TEN EXPLORATION COMPANIES RANKED BY
PROSPECTING LICENCES HELD AT 30 JUNE 2003**

COMPANY	PLS HELD
Tara Mines Limited	60
Conroy Diamonds and Gold Plc.	27
Navan Resources Plc.	26
Noranda Exploration Ireland Limited	23
Minco Ireland Limited (incl. joint licence)	21
BHP World Exploration Inc. (incl. Billiton Ireland Resources B.V.)	16
Arcon Exploration Plc. (incl. Arcon International Resources Plc.)	15
Asarco Exploration Inc.	15
Central Mining Finance	12
Cranderry Limited	11
TOTAL:	226

A further 83 licences are held by an additional 23 companies, i.e. a total of 33 companies hold 309 licences.

PART 1

11 State Mining Leases and 5 State Mining Licences granted under the Acts and current during the period 1 January to 30 June 2003

(Except those marked * which were granted under the Mines and Minerals Act, 1931 (No. 54))

SUMMARY

SML NO.	HELD BY	COUNTY (PART OF)	VALIDITY		PRESENT POSITION
			FROM	TO	
State Mining Licences					
1	Arcon Mines Limited	Kilkenny	03.02.1995	02.02.2016	Lead and Zinc - In production
2	Tara Mines Limited	Meath	03.07.1998	31.08.2010	Lead and Zinc - In production
3	Tara Mines Limited	Meath	03.07.1998	31.08.2010	Lead and Zinc - In production
4	Tara Mines Limited	Meath	11.09.2000	31.08.2010	Lead and Zinc - In production
6	Arcon Mines Limited	Kilkenny	29.08.2002	02.02.2016	Lead and Zinc - In production
State Mining Leases					
17*	Joyce's Marble Quarries Limited	Galway	01.10.1933	30.09.2032	Marble and other Minerals In production
23*	Flemings Fireclays Limited	Laois	01.03.1935	29.02.2032	Fireclay, Coal No production since about 1985/86
30*	Connemara Marble Products Limited	Galway	01.11.1937	31.10.2034	Marble Currently producing
37	Flemings Fireclays Limited	Laois	14.11.1940	13.11.2039	Fireclay, Coal and other Minerals No production since about 1985/86
79	Joyce's Marble Quarries Limited	Galway	01.12.1957	30.11.2056	Marble and other Minerals In production
100	Roadstone Provinces Limited	Kilkenny	01.01.1969	31.12.2008	Dolomite, Dolomitic Limestone and other Minerals In production
115	Flynn & Lehany Coal Mines Limited	Roscommon	01.10.1970	31.03.2043	Coal, etc. No production since 1989 approx
116	Tara Mines Limited	Meath	01.09.1975	31.08.2010	Zinc, lead and other Minerals In production
137	Ormonde Brick Limited	Kilkenny	31.01.1997	30.01.2012	Coal and Fireclay In production
139	Irish Gypsum Limited	Monaghan	12.11.2002	11.11.2032	Gypsum, Anhydrite and other Minerals In production
140	(1) Anglo American Lisheen Mining Limited (formerly Minorco Lisheen Mining Limited) (2) Ivernia Lisheen Mining Limited (3) Lisheen Milling Co.	Tipperary	07.10.1997	06.10.2027	Zinc, lead and other Minerals In production

Name and Address of Lessee: **Anglo American Lisheen Mining Limited
(formerly Minorco Lisheen Mining Limited)
Ivernia Lisheen Mining Limited
Lisheen Milling Co.
Killoran
Moyne
Co. Tipperary**

Minerals: All minerals except gold

Lands Concerned: Derryville (part), Killoran (part), Ballyerk (part), Barnalisheen (part), Co. Tipperary (Lease No. 140)

Area: 188 hectares

Period: 30 years from 7 October 1997 (expires 6 October 2027)

Consideration: Dead Rent of €63,486.90 for the first year; €26,973.80 for the second year; €80,921.42 for each subsequent year until production ceases; and €25,394.76 for each year thereafter; with provision to index the Dead Rent at the end of every third year from the commencement date to take account of changes in money values. Royalties, into which the Dead Rent will merge, at the following rates:

1¾% of revenue for first three years of production; 3% of revenue for fourth and fifth years of production; and 4½% of revenue for sixth and every subsequent year of production.

Name and Address of Licensee: **Arcon Mines Limited
60 Merrion Road
Ballsbridge
Dublin 4**

Minerals: Lead, zinc and other minerals

Lands concerned: Castletown (part), Garrylaun (part), Rathreagh (part), Whiteswall (part), Co. Kilkenny (Licence No. 1)

Area: 141 hectares or thereabouts

Period: 21 years from 3 February 1995 (expires 2 February 2016)

Consideration: Licence Fee of €63,486.90 per annum for each of the first two years of Licence; €26,973.80 per annum for the third year of Licence and each subsequent year until the working of the minerals has permanently ceased; and €25,394.76 per annum for each year thereafter with provision to index the Licence Fee at the end of every third year from the commencement date to take account of changes in money values. Royalties, in which the Licence Fee will merge, at the following rates:

1½% per annum of revenue for first three years of mine production; 2½% of revenue for fourth year of mine production; and 3% per annum of revenue for fifth and every subsequent year of mine production.

Name and Address of Licensee: **Arcon Mines Limited**
60 Merrion Road
Ballsbridge
Dublin 4

Minerals: Lead, zinc and other minerals

Lands concerned: Rathreagh (part) (Licence No. 6)

Area: 26 hectares or thereabouts

Period: 13.5 years from 29 August 2002 (expires 2 February 2016)

Consideration: Licence Fee of €5,000.00 per annum for each year until the working of the minerals has permanently ceased. In February 2004 the Licence Fee shall be increased or decreased by the same proportion as the CPI has increased or decreased between February 2001 and February 2004. Thereafter the Licence Fee shall be indexed at the end of every three-year period to account for changes in money values. Royalties, in which the Licence Fee will merge, at the following rate:

3% per annum of revenue for every year of mine production.

Name and Address of Lessee: **Connemara Marble Products Limited**
Moycullen
Co. Galway

Minerals: Marble and all other minerals

Lands Concerned: Cregg (part), Ballinahinch, Co. Galway (Lease No. 30)

Area: 4 hectares or thereabouts

Period: 97 years from 1 November 1937 (expires 31 October 2034)

Consideration: Dead Rent of €25.39 per annum and Royalties into which Dead Rent will merge, at the rate of 2½% on all sales of marble raised and gotten.

Name and Address of Lessee: **Fleming's Fireclays Limited**
The Swan
Athy
Co. Kildare

Minerals: Coal, fireclay and other minerals (Lease No. 23)

Lands Concerned: Moyadd (part), Aghadreen (part), Knockacrin (part) and Slatt Lower, Co. Laois

Area: 384 hectares

Period: 97 years from 1 March 1935 (expires 29 February 2032)

Consideration: Dead Rent of €31.74 per annum and royalties, in which the Dead Rent will merge, at the following rates:

€0.0159 per metric tonne on coal, culm or carbonaceous matter; €0.0105 per metric tonne on fireclay raised.

Name and Address of Lessee: **Fleming's Fireclays Limited**
The Swan
Athy
Co. Kildare

By Assignment

Minerals: Coal, fireclay and other minerals (Lease No. 37)

Lands Concerned: Slatt Lower (part) and Ballylehane Upper (part), Co. Laois

Area: 121.4 hectares

Period: 99 years from 14 November 1940 (expires 13 November 2039)

Consideration: Dead Rent of €31.74 per annum and royalties, in which the Dead Rent will merge, at the following rates:

€0.0159 per metric tonne on coal, culm or carbonaceous matter; €0.0105 per metric tonne on fireclay and 4% of the value of all other minerals.

Name and Address of Lessee: **Flynn and Lehany Coal Mines Limited**
Lisanuran
Hillstreet
Carrick-on-Shannon

Minerals: Coal, culm, carbonaceous matter, fireclay, gannister and all other minerals

Lands Concerned: Parts of Gubbarudda, Greaghnageeragh and Cashel, Co. Roscommon (Lease No. 115)

Area: 192.22 hectares

Period: 72.5 years from 1 October 1970 (expires 31 March 2043)

Consideration: Dead Rent of €38.09 per annum and royalties, in which the Dead Rent will merge at the following rates:

€0.0156 per metric tonne on coal, culm and carbonaceous matter raised, gotten and taken away; €0.0104 per metric tonne on fireclay raised, gotten and taken away; €0.0052 per metric tonne on gannister raised, gotten and taken away; 4% of all other minerals.

Name and Address of Lessee: **Irish Gypsum Limited**
Unit 14
Park West Industrial Park
Dublin 12

Minerals: Gypsum, anhydrite and all other minerals

Lands Concerned: Ballycartlan, Derryleeg, Derrynaglah, Derrynascobe, Drumgoosat, Drummond (E.D. Enagh), Enagh, Knocknacran East and Knocknacran West, Co. Monaghan, and Cormey in Co. Cavan (Lease No. 139)

Area: 4.57 square kilometres

Period: 30 years from 12 November 2002 (expires 11 November 2032)

Consideration: Dead Rent of €29,387.08 per annum and royalties in which the Dead Rent will merge at the following rates:

€0.6343 per tonne on the minerals raised, gotten and taken away.

On the 1st day of December 2005, and every four years thereafter, the Dead Rent and royalties shall be altered to take account of changes in monetary values and price levels.

Name and Address of Lessee: **Joyce's Marble Quarries Limited**

Lissoughter
Recess
Co. Galway

By Assignment

Minerals: Marble and all other minerals

Lands Concerned: Barnanoraun (part), Co. Galway (Lease No. 17)

Area: 24.65 hectares or thereabouts

Period: 99 years from 1 October 1933 (expires 30 September 2032)

Consideration: Dead Rent of €15.24 per annum and royalties, in which the Dead Rent will merge, at the following rate:

€0.3174 per metric tonne on all marble raised, gotten and taken away and 4% of all other minerals.

Name and Address of Lessee: **Joyce's Marble Quarries Limited**

Lissoughter
Recess
Co. Galway

By Assignment

Minerals: Marble and all other minerals

Lands Concerned: Tievebreen (part), Co. Galway (Lease No. 79)

Area: 16.19 hectares

Period: 99 years from 1 December 1957 (expires 30 November 2056)

Consideration: Dead Rent of €25.39 per annum and royalties, in which the Dead Rent will merge, at the following rates:

€0.3123 per metric tonne on all marble raised, gotten and taken away, 4% on all other minerals.

Name and Address of Lessee: **Ormonde Brick Limited**
Castlecomer
Co. Kilkenny

Minerals: Coal and fireclay

Lands Concerned: Coolbawn (part), Co. Kilkenny (Lease No. 137)

Area: 18.4 hectares

Period: 15 years from 31 January 1997 (expires 30 January 2012)

Consideration: Dead Rent of €634.87 per annum and royalty, into which Dead Rent will merge at the following rates:

€0.3174 per tonne on fireclay raised; 2½% of sales revenue (net of VAT) on coal when sales exceed 1,000 tonnes per annum.

Name and Address of Lessee: **Roadstone Provinces Limited**
Saggart
Co. Dublin

By Assignment

Minerals: Dolomite, dolomitic limestone and all other minerals

Lands Concerned: Dunbell Big (part), Co. Kilkenny (Lease No. 100)

Area: 256.97 hectares

Period: 40 years from 1 January 1969 (expires 31 December 2008)

Consideration: Dead Rent of €190.46 per annum and royalty, in which the Dead Rent will merge at the following rates:

€0.0312 per metric tonne on dolomite and dolomitic limestone raised, gotten and taken away and 4% of all other minerals.

Name and Address of Licensee: **Tara Mines Limited**
Knockumber House
Navan
Co. Meath

Minerals: Lead, zinc and other minerals

Lands Concerned: Ardbraccan (part), Knockumber (part), Co. Meath (Licence No. 2)

Area: 35.61 hectares

Period: 3 July 1998 to 31 August 2010

Consideration: Once off payment of €190,460.71 in lieu of Royalties.

Name and Address of Licensee: **Tara Mines Limited**
Knockumber House
Navan
Co. Meath

Minerals: Lead, zinc and other minerals

Lands Concerned: Parts of the townlands of Whistlemount in Co. Meath (Licence No. 3)

Area: 1.06 hectares or thereabouts

Period: 3 July 1998 to 31 August 2010

Consideration: Once off payment of €507,895.23 in lieu of royalties.

Name and Address of Licensee: **Tara Mines Limited**
Knockumber House
Navan
Co. Meath

Minerals: Lead, zinc and other minerals

Lands Concerned: Part of the townlands of Ardbraccan and Glebe, Co. Meath
(Licence No. 4)

Area: 39.36 hectares or thereabouts

Period: 11 September 2000 to 31 August 2010

Consideration: Once off payment of €126,973.80 in lieu of royalties.

Name and Address of Lessee: **Tara Mines Limited**
Knockumber House
Navan
Co. Meath

Minerals: Lead, zinc and other minerals

Lands Concerned: Parts of the townlands of Whistlemount, Knockumber, Liscartan and other
townlands in Co. Meath (Lease No. 116)

Area: 1,769 hectares or thereabouts

Period: 35 years from 1 September 1975 (expires 31 August 2010)

Consideration: Dead Rent of €12,697.38 per annum. Dead rent of €4,440.83 per annum in the
event of stoppage of working the minerals.

RATES OF APPLICATION & CONSIDERATION FEES FOR MINERALS PROSPECTING LICENCES (PL)

Application Fee

There is a standard application fee of €190 per Prospecting Licence Area.

Consideration

Two-Year Period	Consideration Fee
First	€750
Second	€875
Third	€1,500
Fourth and each subsequent two-year period	€2,500

Thus, the fee will be €2,500 per two-year period where a Prospecting Licence is renewed to any person who was the holder of the Prospecting Licence for 6 years or more.

Special Consideration as incentive for prospecting in under-explored areas

A reduced consideration of €1,250 for an initial six-year term was introduced in conjunction with the May 1995 Competition for Minerals Prospecting Licences as a promotional incentive for areas which, in the opinion of the Minister, have been under-explored with regard to their mineral potential, namely,

- (a) open ground, i.e., areas that have never been licensed,
- and
- (b) open areas that have not been licensed for over four years.

PART 2

Minerals Prospecting Licences granted under the Acts and current during the period 1 January to 30 June 2003

Note: The townlands referred to in the second column of the following tables are the key townlands in respect of each prospecting licence. However, in each case, neighbouring townlands (not specified in the Tables) are involved.

The full listing of townlands for any licence area can be found in the Exploration and Mining Division's Exploration Website, which is currently under development. This website can be accessed by going to www.emd.ie and then clicking on the link "EMD launch Exploration Website".

ALBANNACH LIMITED

ADRIGOLE

BEARA

CO. CORK

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3358	KILLEMLY (BY ASSIGNMENT)	TIPPERARY	BASE METALS, BARYTES & SILVER	01/12/1990	31/03/2003

AMCORP IRELAND LIMITEDUNIT 10B
LOUGHBOY INDUSTRIAL ESTATE
KILKENNY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3698	COOLBAUN	TIPPERARY	BASE METALS, BARYTES & SILVER	19/09/2001	31/03/2003
3699	CARROW	TIPPERARY	BASE METALS, BARYTES & SILVER	19/09/2001	31/03/2003
3700	GLASHA	TIPPERARY/ WATERFORD	BASE METALS, BARYTES & SILVER	19/09/2001	31/03/2003
3707	GORTMORE	TIPPERARY/ WATERFORD	BASE METALS, BARYTES & SILVER	19/09/2001	31/03/2003
1450	KILBREW	DUBLIN/ MEATH	BASE METALS, BARYTES & SILVER	29/07/2002	
3218	RAHILLION	DUBLIN	BASE METALS, BARYTES & SILVER	29/07/2002	
3219	JORDANSTOWN	DUBLIN	BASE METALS, BARYTES & SILVER	29/07/2002	
3261	LACYSTOWN	MEATH	BASE METALS, BARYTES & SILVER	29/07/2002	
3664	WESTPALSTOWN	DUBLIN	BASE METALS, BARYTES & SILVER	29/07/2002	
3665	MAINSCOURT	DUBLIN	BASE METALS, BARYTES & SILVER	29/07/2002	
3875	SCATTERNAGH	MEATH	BASE METALS, BARYTES & SILVER	29/07/2002	

ANGUS AND ROSS PLC.

ST. CHAD'S HOUSE
PIERCY END
KIRKBYMOORSIDE
YORK YO62 6DQ
ENGLAND

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1477	MYSHALL	CARLOW	CAESIUM, TIN, NIOBIUM, LITHIUM, TANTALUM & TUNGSTEN	27/10/1999	
2931	BALLAGHMORE	CARLOW	CAESIUM, TIN, NIOBIUM, LITHIUM, TANTALUM & TUNGSTEN	27/10/1999	
3407	KILLEDMOND	CARLOW	CAESIUM, TIN, NIOBIUM, LITHIUM, TANTALUM & TUNGSTEN	27/10/1999	
3411	GOWLIN	CARLOW	CAESIUM, TIN, NIOBIUM, LITHIUM, TANTALUM & TUNGSTEN	27/10/1999	
3893	AGHABEG	CARLOW	CAESIUM, TIN, NIOBIUM, LITHIUM, TANTALUM & TUNGSTEN	27/10/1999	
3894	BALLYBRACK	CARLOW	CAESIUM, TIN, NIOBIUM, LITHIUM, TANTALUM & TUNGSTEN	27/10/1999	
3895	BALLYCRYSTAL	WEXFORD	CAESIUM, TIN, NIOBIUM, LITHIUM, TANTALUM & TUNGSTEN	27/10/1999	
3896	BALLYLUSK	WEXFORD	CAESIUM, TIN, NIOBIUM, LITHIUM, TANTALUM & TUNGSTEN	27/10/1999	

ARCON EXPLORATION PLC.60 MERRION ROAD
BALLSBRIDGE
DUBLIN 4

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
586R	KILCORAN (BY ASSIGNMENT)	LAOIS/ KILKENNY	BASE METALS, BARYTES, SILVER & GOLD	26/10/1981	
3245R	AGHADOEN (BY ASSIGNMENT)	KILKENNY	BASE METALS, SILVER, BARYTES & GOLD	19/12/1986	
754	LISDUFF (BY ASSIGNMENT)	LAOIS	BASE METALS, SILVER & BARYTES	20/02/1987	
3312	NEWTOWN (BY ASSIGNMENT)	LAOIS	BASE METALS, SILVER & BARYTES	04/08/1987	
3313	GLASHARE (BY ASSIGNMENT)	KILKENNY	BASE METALS, SILVER & BARYTES	04/08/1987	
1604	BETAGHSTOWN	KILDARE	BASE METALS, BARYTES, SILVER, & GOLD	17/06/1998	
1607	ROBERTSTOWN	KILDARE	BASE METALS, BARYTES, SILVER, & GOLD	17/06/1998	
2671R	COOLE	OFFALY	BASE METALS, SILVER & BARYTES	12/08/1998	
2852	CLONAKENNY	TIPPERARY	BASE METALS, SILVER & BARYTES	21/07/1999	

ARCON INTERNATIONAL RESOURCES PLC.

60 MERRION ROAD
BALLSBRIDGE
DUBLIN 4

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1358	BALLYMAHON	LONGFORD	BASE METALS, BARYTES & SILVER	17/08/1981	
2859	KYLE	OFFALY	BASE METALS, BARYTES & SILVER	17/08/1981	
2840	KNOCKDERK	LIMERICK/ TIPPERARY	BASE METALS, BARYTES, SILVER & GOLD	19/12/1986	
582	TIRLICKKEEN	LONGFORD	BASE METALS, BARYTES & SILVER	19/06/1991	
480	STRADUFF	OFFALY	BASE METALS, BARYTES & SILVER	22/09/1994	
481	FARRANMACSHANE	OFFALY	BASE METALS, BARYTES & SILVER	22/09/1994	

ASARCO EXPLORATION INC.

C/O CROWE SCHAFFALITZKY AND ASSOCIATES LIMITED
6-7 DUNDRUM BUSINESS PARK
WINDY ARBOUR
DUBLIN 14

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1630	DREHID	KILDARE	BASE METALS, BARYTES & SILVER	14/08/1996	
3846	LULLYBEG	KILDARE	BASE METALS, BARYTES & SILVER	04/09/1996	
3866	NEWTOWN	KILDARE	BASE METALS, BARYTES & SILVER	18/06/1997	
600	RATHANGAN (PART)	KILDARE	BASE METALS, SILVER & BARYTES	04/09/2000	
1640	EMO PARK	LAOIS	BASE METALS, SILVER & BARYTES	31/10/2000	
3853	PORTNAHINCH	OFFALY	BASE METALS, SILVER & BARYTES	31/10/2000	
3854	CUSHINA	OFFALY	BASE METALS, SILVER & BARYTES	31/10/2000	
1608	CARRAGH	KILDARE	BASE METALS, SILVER & BARYTES	06/04/2001	
3332	SALLINS	KILDARE	BASE METALS, SILVER & BARYTES	06/04/2001	
3689	GROVE	TIPPERARY	BASE METALS, SILVER & BARYTES	29/04/2002	
468	FARRAN	TIPPERARY/ LIMERICK	BASE METALS, SILVER & BARYTES	29/07/2002	
2654	MONANOUR	TIPPERARY	BASE METALS, SILVER & BARYTES	29/07/2002	
3552	BALLINGLANNA	TIPPERARY	BASE METALS, SILVER & BARYTES	29/07/2002	

ASARCO EXPLORATION INC.

C/O CROWE SCHAFFALITZKY AND ASSOCIATES LIMITED
6-7 DUNDRUM BUSINESS PARK
WINDY ARBOUR
DUBLIN 14

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1624	CLONYHURK	OFFALY	BASE METALS, BARYTES, IRON & SILVER	24/02/2003	
3920	WALSHISLAN	OFFALY	BASE METALS, BARYTES, IRON & SILVER	24/02/2003	

AURUM EXPLORATION LIMITED

CAHERLIVENE

LOUGHREA

CO. GALWAY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2396	OLDHEAD	MAYO	GOLD & SILVER	13/01/2003	

BALLINALACK MINERALS LIMITED

C/O IVERNIA WEST PLC.

IVERNIA HALL

97 HENRY STREET

LIMERICK

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1344	RATHOWN (BY ASSIGNMENT)	WESTMEATH	BASE METALS, BARYTES & SILVER	28/04/1969	
1345	GRANGE (BY ASSIGNMENT)	WESTMEATH	BASE METALS, BARYTES & SILVER	28/04/1969	
1346	BALLINALACK (BY ASSIGNMENT)	WESTMEATH	BASE METALS, BARYTES & SILVER	28/04/1969	

BHP WORLD EXPLORATION INC.

SUITE 2300-1111 WEST GEORGIA STREET
VANCOUVER, BRITISH COLUMBIA
CANADA V6E 4M3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1113	CLARA	OFFALY	BASE METALS, BARYTES, SILVER & GOLD	20/11/1994	13/12/2002
3652	BALLARD	OFFALY/ WESTMEATH	BASE METALS, BARYTES, SILVER & GOLD	20/11/1994	13/12/2002
3653	KEELOGE	WESTMEATH	BASE METALS, GOLD, SILVER & BARYTES	20/11/1994	
2864	DURROW DEMESNE	OFFALY	BASE METALS, BARYTES, SILVER & GOLD	20/11/1995	
1500	RATHCORE	MEATH	BASE METALS, BARYTES, SILVER, GOLD & IRON	14/12/1995	
2675	TYRRELLSPASS	WESTMEATH	BASE METALS, BARYTES, GOLD, SILVER & IRON	04/03/1996	
2676	TYRRELLSTOWN	WESTMEATH	BASE METALS, BARYTES, GOLD, SILVER & IRON	04/03/1996	
3588	CAPPADUF	WESTMEATH	BASE METALS, BARYTES, GOLD, SILVER & IRON	04/03/1996	
3589	KILHUGH	WESTMEATH	BASE METALS, BARYTES, GOLD, SILVER & IRON	04/03/1996	
2781	DERRYCOOLY (BY ASSIGNMENT)	OFFALY	BASE METALS, BARYTES, GOLD, SILVER, & IRON	02/10/1996	18/12/2002
2579	CURRACHASE	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	23/06/1998	
2696	CARRIGOGUNNEL	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	23/06/1998	

BHP WORLD EXPLORATION INC.
SUITE 2300-1111 WEST GEORGIA STREET
VANCOUVER, BRITISH COLUMBIA
CANADA V6E 4M3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2835	KILDIMO	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	23/06/1998	
3608	ASKEATON	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	23/06/1998	

BILLITON IRELAND RESOURCES B.V.

C/O BHP WORLD EXPLORATION INC.
SUITE 2300-1111 WEST GEORGIA STREET
VANCOUVER, BRITISH COLUMBIA
CANADA V6E 4M3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
382	SION HILL	WESTMEATH	BASE METALS, BARYTES & SILVER	01/04/1996	
3152	RAHARNEY	WESTMEATH	BASE METALS, BARYTES & SILVER	01/04/1996	
3640	NEWMARKET	CLARE	BASE METALS, BARYTES, CALCITE, FLOURITE, GOLD & SILVER	15/11/1999	
3641	LATOON NORTH	CLARE	BASE METALS, BARYTES, CALCITE, FLOURITE, GOLD & SILVER	15/11/1999	
3642	RATHLAHEEN NORTH	CLARE	BASE METALS, BARYTES, CALCITE, FLOURITE, GOLD & SILVER	18/07/2000	26/06/2003
2590	CLOONCOOL	CLARE	BASE METALS, BARYTES, CALCITE, FLOURITE, GOLD & SILVER	01/06/2001	

BROPHY, LIAM M. & PETER KEALY

FAIRYMOUNT

CRETTYARD

CARLOW

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3891	ROSSMORE (PART)	LAOIS	COAL & FIRECLAY	27/09/1999	

CAMBRIDGE MINERAL RESOURCES PLC.

SIMMONDS HOUSE
SIMMONDS BUILDINGS
BRISTOL ROAD
HAMBROOK
BRISTOL BS16 1RY
ENGLAND

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2964	BALLYLOSKEY	DONEGAL	GEM MINERALS	30/08/1996	
3496	MUFF	DONEGAL	GEM MINERALS	30/08/1996	
3856	GLENGAD	DONEGAL	GEM MINERALS	30/08/1996	
3007	KINDROGHED	DONEGAL	GEM MINERALS	28/05/1997	
3056	ARDMALIN	DONEGAL	GEM MINERALS	28/05/1997	
3062	OORT	DONEGAL	GEM MINERALS	28/05/1997	
3008	GLENNAGIVENY	DONEGAL	GEM MINERALS	06/08/1999	
3094	CARROWNAFF	DONEGAL	GEM MINERALS	06/08/1999	
3063	BALLYARGUS	DONEGAL	GEM MINERALS	04/10/1999	
3820	LEAMACROSSAN	DONEGAL	GEM MINERALS	04/10/1999	

CENTRAL MINING FINANCE

7 HOBART PLACE
LONDON SW1W 0HH
ENGLAND

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2895	KILGORY	CLARE	BASE METALS, BARYTES & SILVER	01/03/1993	
3729	FEAKLE	CLARE	BASE METALS, BARYTES & SILVER	01/03/1993	
3787	MAGHERA	CLARE	BASE METALS, BARYTES & SILVER	08/06/1994	
3788	BALLYRAGGET	CLARE	BASE METALS, BARYTES & SILVER	08/06/1994	
3789	DERRYMORE WEST	CLARE	BASE METALS, BARYTES & SILVER	08/06/1994	
3788	BALLYRAGGET	CLARE	CALCITE & FLUORITE	08/06/1995	
1577	MOYCARKY	TIPPERARY	BASE METALS, BARYTES, SILVER & CALCITE	28/02/1996	
1578	GARRAUN	TIPPERARY	BASE METALS, BARYTES, SILVER & CALCITE	28/02/1996	
3321	BORRIS	TIPPERARY	BASE METALS, BARYTES, SILVER & CALCITE	28/02/1996	
3863	CAPPANAPEASTA	CLARE	BASE METALS, BARYTES, SILVER, CALCITE & FLUORITE	28/05/1997	
3508	SIXMILEBRIDGE	CLARE	BASE METALS, SILVER, BARYTES, CALCITE & FLUORITE	16/11/1998	
3643	CANT	CLARE	BASE METALS, SILVER & BARYTES	25/05/1999	

CLARE CALCITE LIMITED

ARDBRACCAN GLEBE

NAVAN

CO. MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3679	BALLYHANNAN	CLARE	CALCITE	27/10/1991	

CONROY DIAMONDS AND GOLD PLC.
 10 UPPER PEMBROKE STREET
 DUBLIN 2

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2194	TULLYBUCK	MONAGHAN	BASE METALS, SILVER, GOLD & BARYTES	15/07/1996	
2683	LECK	MONAGHAN	BASE METALS, SILVER, GOLD & BARYTES	15/07/1996	
3028	KNOCKNAMADDY	MONAGHAN	BASE METALS, SILVER, GOLD & BARYTES	15/07/1996	
3130	CRUMLIN	CAVAN	BASE METALS, SILVER, GOLD & BARYTES	27/11/1996	
3400	DRUMHEEL	CAVAN	BASE METALS, SILVER, GOLD & BARYTES	27/11/1996	
1870	TASSAN	MONAGHAN	BASE METALS, SILVER, GOLD & BARYTES	10/04/1997	
1356	MULLYASH	MONAGHAN	BASE METALS, ANTIMONY, BARYTES, SILVER & GOLD	23/01/1998	
1357	TOMOGROW	MONAGHAN	BASE METALS, ANTIMONY, BARYTES, SILVER & GOLD	23/01/1998	
2193	GRIG	MONAGHAN	BASE METALS, ANTIMONY, BARYTES, SILVER & GOLD	23/01/1998	
2254	FADOO	MONAGHAN	BASE METALS, ANTIMONY, BARYTES, SILVER & GOLD	23/01/1998	
3027	LISDUFF	MONAGHAN	BASE METALS, ANTIMONY, BARYTES, SILVER & GOLD	20/08/1998	
3065	AGHABOG	MONAGHAN	BASE METALS, ANTIMONY, BARYTES, SILVER & GOLD	20/08/1998	

CONROY DIAMONDS AND GOLD PLC.
 10 UPPER PEMBROKE STREET
 DUBLIN 2

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3066	CORRASKEA	MONAGHAN	BASE METALS, ANTIMONY, BARYTES, SILVER & GOLD	20/08/1998	
3869	AGHNAMULLEN	MONAGHAN	BASE METALS, ANTIMONY, BARYTES, SILVER & GOLD	20/08/1998	
3870	LACKAFIN	MONAGHAN	BASE METALS, ANTIMONY, BARYTES, SILVER & GOLD	20/08/1998	
3871	TOSSY	MONAGHAN	BASE METALS, ANTIMONY, BARYTES, SILVER & GOLD	20/08/1998	
2140	TONAGHBANE	CAVAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	
2827	BALLANANAGH	CAVAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	
3068	AGHADRUMKEEN (E.D. DAWSONGROVE)	MONAGHAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	
3131	LARAH	CAVAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	
3270	CROSSDOWNEY	CAVAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	
3414	AGHALOORY	CAVAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	
3469	DRUM	MONAGHAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	
3526	GROUSEHALL	CAVAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	

CONROY DIAMONDS AND GOLD PLC.
10 UPPER PEMBROKE STREET
DUBLIN 2

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3562	OLDTOWN	CAVAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	
3563	ARDAMAGH	CAVAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	
3564	TULLYALT	CAVAN	BASE METALS, BARYTES, GOLD & SILVER	27/09/2000	

CRANDERRY LIMITEDRATHCRONA
KILMALY
ENNIS
CO. CLARE

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2742	ADAMSTOWN	LOUTH	BASE METALS, BARYTES, SILVER AND GOLD	13/02/2002	
3060	RATHMULLAN	LOUTH	BASE METALS, BARYTES, SILVER AND GOLD	13/02/2002	
3410	TANKARDSTOWN	LOUTH	BASE METALS, BARYTES, SILVER AND GOLD	13/02/2002	
3413	DRUMSHALLOW	LOUTH	BASE METALS, BARYTES, SILVER AND GOLD	13/02/2002	
3558	HORISTOWN	LOUTH	BASE METALS, BARYTES, SILVER AND GOLD	13/02/2002	
3701	GALLAGH	LOUTH	BASE METALS, BARYTES, SILVER AND GOLD	13/02/2002	
3909	DOWDSTOWN	LOUTH	BASE METALS, BARYTES, SILVER AND GOLD	13/02/2002	
3910	BALLYMAD	LOUTH	BASE METALS, BARYTES, SILVER AND GOLD	13/02/2002	
3911	ROKEBY	LOUTH	BASE METALS, BARYTES, SILVER AND GOLD	13/02/2002	
3057	INISHDEA	CLARE	BASE METALS, BARYTES, SILVER AND GOLD	29/07/2002	
3644	STONEHALL	CLARE	BASE METALS, BARYTES, SILVER AND GOLD	29/07/2002	

FRACTORE PTY. LIMITED

17 DOWER STREET
CAMBERWELL
VICTORIA 3124
AUSTRALIA

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3782	CLONPET	TIPPERARY	BASE METALS, BARYTES & SILVER	11/07/2002	

GLENCAR MINING PLC.
26 UPPER MOUNT STREET
DUBLIN 2

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2512	STRADBALLY	LAOIS	BASE METALS, BARYTES & SILVER	15/01/1992	
3662	CASHEL	LAOIS	BASE METALS, SILVER & BARYTES	21/08/1998	

GROVESPAN LIMITED
103 RATHFARNHAM WOOD
DUBLIN 14

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2687	RUSSAUN (BY ASSIGNMENT)	GALWAY	BASE METALS, BARYTES & SILVER	30/12/1999	
3692	GORT (BY ASSIGNMENT)	GALWAY	BASE METALS, BARYTES & SILVER	30/12/1999	

HEREWARD VENTURES PLC.

SIMMONDS HOUSE
SIMMONDS BUILDINGS
BRISTOL ROAD, HAMBROOK
BRISTOL BS16 1RY
ENGLAND

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1341	BALLYCOMMON	OFFALY	BASE METALS, BARYTES, SILVER & GEMSTONES	14/10/1997	
1342	KILCONFERT	OFFALY	BASE METALS, BARYTES, SILVER & GEMSTONES	14/10/1997	
1343	BALLINGAN	OFFALY	BASE METALS, BARYTES, SILVER & GEMSTONES	14/10/1997	
2522	GEASHILL	OFFALY	BASE METALS, BARYTES, SILVER & GEMSTONES	14/10/1997	
2702	KILLEIGH	OFFALY	BASE METALS, BARYTES, SILVER & GEMSTONES	14/10/1997	
2782	MUCKLAGH	OFFALY	BASE METALS, BARYTES, SILVER & GEMSTONES	14/10/1997	
2866	MONASSET	WESTMEATH	BASE METALS, BARYTES, SILVER & GEMSTONES	14/10/1997	
3868	KILCRUTTIN	OFFALY	BASE METALS, BARYTES, SILVER & GEMSTONES	14/10/1997	

HOGAN, EDWARD ANTHONY

HOGAN'S PASS
NENAGH
CO. TIPPERARY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3860	AGLISH	CORK	BASE METALS, SILVER & BARYTES	18/06/1997	

IRISH MARINE OIL PLC.
162 CLONTARF ROAD
DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2551	BALLYDARRAGH	WEXFORD	GOLD	01/03/1994	
2554	CLOGHAMON	WEXFORD	GOLD	05/12/1994	
2558	CARNEW	WICKLOW	GOLD	05/12/1994	

IVERNIA WEST PLC.IVERNIA HALL
97 HENRY STREET
LIMERICK

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2103	ARDNAGLUG	ROSCOMMON	BASE METALS, BARYTES & SILVER	03/05/1988	09/05/2003
3459	GARBALLY DEMESNE	GALWAY	BASE METALS, BARYTES & SILVER	03/05/1988	09/05/2003
3460	AMERICA	ROSCOMMON	BASE METALS, BARYTES & SILVER	03/05/1988	09/05/2003
2564	RORAN	TIPPERARY	BASE METALS, SILVER, GOLD & BARYTES	20/05/1992	09/05/2003
3530	CROUGHAL	WESTMEATH	BASE METALS, SILVER & BARYTES	12/08/1994	09/05/2003
3583	CASTLETOWN	WESTMEATH	BASE METALS, SILVER & BARYTES	12/08/1994	09/05/2003
3814	ENDRIM	OFFALY/ WESTMEATH	BASE METALS, SILVER & BARYTES	12/08/1994	09/05/2003
2627	GREATHEATH	LAOIS	BASE METALS, SILVER & BARYTES	01/02/2001	17/06/2003
3322	CLONSOGHEY	LAOIS	BASE METALS, SILVER & BARYTES	01/02/2001	17/06/2003

IVERNIA WEST PLC.–ANGLO AMERICAN LISHEEN MINING LIMITED
 IVERNIA HALL
 97 HENRY STREET
 LIMERICK

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1652	BALLYCOLLA (BY ASSIGNMENT)	LAOIS	BASE METALS, SILVER & BARYTES	28/05/1987	
2069	BRITTAS (BY ASSIGNMENT)	TIPPERARY	BASE METALS, SILVER & BARYTES	28/05/1987	
2218	BOLEY (BY ASSIGNMENT)	LAOIS	BASE METALS, SILVER & BARYTES	28/05/1987	
2258	CASTLELEINY (BY ASSIGNMENT)	TIPPERARY	BASE METALS, SILVER & BARYTES	28/05/1987	
2447	KILCOKE (BY ASSIGNMENT)	TIPPERARY	BASE METALS, SILVER & BARYTES	28/05/1987	
2448	MOYNEARD (BY ASSIGNMENT)	TIPPERARY	BASE METALS, SILVER & BARYTES	28/05/1987	
3262	DERRYVILLE (BY ASSIGNMENT)	TIPPERARY	BASE METALS, SILVER & BARYTES	28/05/1987	
3667	BALLYBODIN (BY ASSIGNMENT)	LAOIS	BASE METALS, BARYTES & SILVER	28/07/1991	
3158	COLT (BY ASSIGNMENT)	LAOIS	BASE METALS, BARYTES & SILVER	07/05/1996	17/06/2003
3688	GLEBE	LAOIS	BASE METALS, BARYTES & SILVER	09/01/1997	

IVERNIA WEST PLC.–RIO ALGOM EXPLORATION INC.IVERNIA HALL
97 HENRY STREET
LIMERICK

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2563	DRINAGH	OFFALY	BASE METALS, BARYTES & SILVER	21/08/1996	09/05/2003
3529	IRISHTOWN	WESTMEATH	BASE METALS, BARYTES & SILVER	22/05/1997	03/04/2003
3426	OLDCOURT	TIPPERARY	BASE METALS, BARYTES & SILVER	13/11/1997	23/04/2003
3670	GORTMORE	TIPPERARY	BASE METALS, BARYTES & SILVER	13/11/1997	23/04/2003
3878	CLOGHJORDANPARK	TIPPERARY	BASE METALS, SILVER & BARYTES	14/09/1998	27/02/2003
1353	HABSBOROUGH	WESTMEATH	BASE METALS, BARYTES & SILVER	18/04/2000	
1352	KNOCKDRIN	WESTMEATH	BASE METALS, BARYTES & SILVER	13/12/2000	05/02/2003
1117	BALLYNAGALL	WESTMEATH	BASE METALS, BARYTES & SILVER	16/01/2001	05/02/2003

JADEBAY LIMITED

C/O STRONGBOW RESOURCES INC.
SUITE 1300, 409 GRANVILLE STREET
VANCOUVER, BRITISH COLUMBIA
CANADA V6C 1T2

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3849	REDCROSS (BY ASSIGNMENT)	WICKLOW	BASE METALS, SILVER, GOLD & BARYTES	11/06/1998	
3850	TIGRONEY (BY ASSIGNMENT)	WICKLOW	BASE METALS, SILVER, GOLD & BARYTES	11/06/1998	

KENMARE RESOURCES PLC.

CHATHAM HOUSE
CHATHAM STREET
DUBLIN 2

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1476	KILDAVIN	CARLOW	CAESIUM, TIN, LITHIUM, NIOBIUM, TANTALUM & TUNGSTEN	30/09/2002	
1597	SLIEVEDURDA	CARLOW	CAESIUM, TIN, LITHIUM, NIOBIUM, TANTALUM & TUNGSTEN	27/09/2002	

MINCO IRELAND LIMITED
 162 CLONTARF ROAD
 DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2016	CRINKILL (BY ASSIGNMENT)	OFFALY	BASE METALS, BARYTES & SILVER	26/07/1976	
649A	SEEFIN (BY ASSIGNMENT)	OFFALY	BASE METALS, BARYTES & SILVER	26/07/1982	
2670	FORTEL (BY ASSIGNMENT)	OFFALY	BASE METALS, BARYTES & SILVER	25/11/1985	
3115	TOWNPARKS (BY ASSIGNMENT)	OFFALY	BASE METALS, BARYTES & SILVER	25/11/1985	
3156	TYONE	TIPPERARY	BASE METALS, BARYTES & SILVER	16/04/1987	
3318	HOLYCROSS	TIPPERARY	BASE METALS, BARYTES, GOLD & SILVER	19/05/1987	
3569	MONANEARLA	TIPPERARY	BASE METALS, BARYTES & SILVER	13/10/1988	
3268	RACE	LIMERICK	BASE METALS, BARYTES & SILVER	08/11/1991	
3647	CAPPAGH	TIPPERARY/ LIMERICK	BASE METALS, BARYTES & SILVER	08/11/1991	
3668	MIDDLEWALK	TIPPERARY/ OFFALY	BASE METALS, BARYTES & SILVER	20/01/1992	
3678	KNIGH	TIPPERARY	BASE METALS, BARYTES & SILVER	11/03/1992	
3425	MONSEA	TIPPERARY	BASE METALS, BARYTES & SILVER	05/03/1993	
3727	SOPWELL	TIPPERARY	BASE METALS, BARYTES & SILVER	05/03/1993	

MINCO IRELAND LIMITED
162 CLONTARF ROAD
DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
626	LACKA	TIPPERARY	BASE METALS, BARYTES & SILVER	06/06/1994	
627	KNOCKSHIGOWNA	TIPPERARY	BASE METALS, BARYTES & SILVER	06/06/1994	
2530	DROMBANE	LIMERICK	BASE METALS, BARYTES & SILVER	13/11/1995	
635	ROXBOROUGH	LIMERICK	BASE METALS, BARYTES & SILVER	06/12/1996	
636	WHITEHALL	LIMERICK	BASE METALS, BARYTES & SILVER	06/12/1996	
2529	CAHERCONLISH	LIMERICK	BASE METALS, BARYTES & SILVER	06/12/1996	
3777	NUNSLAND	KILDARE	BASE METALS, BARYTES, GOLD & SILVER	30/06/2003	

MINCO PLC-WESTLAND EXPLORATION LIMITED
162 CLONTARF ROAD
DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3722	ATHLONE	WESTMEATH	BASE METALS, BARYTES & SILVER	05/10/1992	

MINERAL ESTATES (IRELAND) LIMITED
 C/O W.A. EXPLORATION SERVICES PTY LIMITED
 22 MONTES SQUARE
 RIVERTON
 WESTERN AUSTRALIA 6148
 AUSTRALIA

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1453R	KILMOON (BY ASSIGNMENT)	MEATH	BASE METALS, SILVER, GOLD & BARYTES	18/09/1996	
1454	NAUL (BY ASSIGNMENT)	DUBLIN	BASE METALS, SILVER, GOLD & BARYTES	18/09/1996	
3220	LOUGHSHINNY (BY ASSIGNMENT)	DUBLIN	BASE METALS, BARYTES, SILVER & GOLD	18/09/1996	
3221	BALROTHERY (BY ASSIGNMENT)	DUBLIN	BASE METALS, SILVER, GOLD & BARYTES	01/07/1998	

NAVAN RESOURCES PLC.

RAFTERY'S BUNGALOW

CAGERLIVENE

LOUGHREA

CO. GALWAY

AREA	TOWNLAND	COUNTY	MINERALS	START	SURRENDERED
541	POLLNAHINCA	GALWAY	BASE METALS, SILVER, GOLD & BARYTES	03/04/1995	
1319	KEENAGHAN	MEATH	BASE METALS, SILVER, GOLD & BARYTES	10/05/1995	08/04/2003
3660	DIAMOR	MEATH	BASE METALS, SILVER, GOLD & BARYTES	10/05/1995	
3839	CROSSAKEEL	MEATH	BASE METALS, SILVER, GOLD & BARYTES	10/05/1995	
1383	BOTTOMY	WESTMEATH	BASE METALS, BARYTES & SILVER	24/05/1995	
1384	COOLE	WESTMEATH	BASE METALS, SILVER, GOLD & BARYTES	24/05/1995	
1385	MAYNE	WESTMEATH	BASE METALS, BARYTES & SILVER	24/05/1995	
1587	GRANARD	LONGFORD	BASE METALS, SILVER, GOLD & BARYTES	14/12/1995	
2	LISSANISKA NORTH	GALWAY	BASE METALS, SILVER & BARYTES	30/06/1997	
4	LISHEENNAGAT	GALWAY	BASE METALS, SILVER & BARYTES	30/06/1997	
2685	MOORFIELD	GALWAY	BASE METALS, SILVER & BARYTES	30/06/1997	
3615	LISNAGRY	GALWAY	BASE METALS, SILVER & BARYTES	30/06/1997	
3862	FOXHALL	GALWAY	BASE METALS, SILVER & BARYTES	30/06/1997	

NAVAN RESOURCES PLC.
RAFTERY'S BUNGALOW
CAGERLIVENE
LOUGHREA
CO. GALWAY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3475	NEWTOWN	OFFALY	BASE METALS, SILVER & BARYTES	01/09/1997	
3477	PORTLAND	TIPPERARY	BASE METALS, SILVER & BARYTES	01/09/1997	
3861	OLDSTREET	GALWAY	BASE METALS, SILVER & BARYTES	01/09/1997	
1347	MULTYFARNHAM	WESTMEATH	BASE METALS, SILVER, GOLD BARYTES & DIAMONDS	24/10/1997	16/01/2003
1349	CLONNAGEERAGH	WESTMEATH	BASE METALS, SILVER, GOLD BARYTES & DIAMONDS	24/10/1997	
134	CARNAUN	GALWAY	BASE METALS, BARYTES & SILVER	29/02/2000	
1764	MENLOUGH	GALWAY	BASE METALS, BARYTES & SILVER	29/02/2000	30/05/2003
1797	MONIVEA	GALWAY	BASE METALS, BARYTES & SILVER	29/02/2000	30/05/2003
1798	GORTEEN	GALWAY	BASE METALS, BARYTES & SILVER	29/02/2000	30/05/2003
2100	BRACKLOON	GALWAY	BASE METALS, BARYTES & SILVER	29/02/2000	
2092	TRISTAUN	GALWAY	BASE METALS, BARYTES & SILVER	27/09/2000	
3232	LYNN	WESTMEATH	BASE METALS, BARYTES & SILVER	25/10/2000	16/01/2003

NAVAN RESOURCES PLC.
 RAFTERY'S BUNGALOW
 CAGERLIVENE
 LOUGHREA
 CO. GALWAY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
767	LAURENCETOWN	GALWAY	BASE METALS, BARYTES & SILVER	30/04/2001	
2093	SOMERSET	GALWAY	BASE METALS, BARYTES & SILVER	30/04/2001	
2105	FALTIA	ROSCOMMON	BASE METALS, BARYTES & SILVER	30/04/2001	
2686	FEAGH	GALWAY	BASE METALS, BARYTES & SILVER	30/04/2001	
3507	CAMUS	GALWAY	BASE METALS, BARYTES & SILVER	29/04/2002	
3913	LISSANACODY	GALWAY	BASE METALS, BARYTES & SILVER	29/04/2002	
3914	KILNABORRIS	GALWAY	BASE METALS, BARYTES & SILVER	29/04/2002	

NORANDA EXPLORATION IRELAND LIMITED
 10 OLD BALREASK WOODS
 NAVAN
 CO. MEATH

AREA	TOWNLAND	COUNTY	MINERALS	START	SURRENDERED
1942	CLONCAGH	LIMERICK	BASE METALS, BARYTES & SILVER	13/01/1999	
2845	REENS EAST	LIMERICK	BASE METALS, BARYTES & SILVER	13/01/1999	
1303	MAHOONAGH MORE	LIMERICK	BASE METALS, BARYTES & SILVER	25/01/1999	
1940	LYRAGH	CORK	BASE METALS, BARYTES & SILVER	25/01/1999	
1946	CAPPANIHANE	LIMERICK	BASE METALS, BARYTES & SILVER	25/01/1999	
3650	BALLYMURRAGH	LIMERICK	BASE METALS, BARYTES & SILVER	25/01/1999	
1947	DERRAULIN	LIMERICK	BASE METALS, BARYTES & SILVER	25/02/1999	
3342	COOGA LOWER	LIMERICK	BASE METALS, BARYTES & SILVER	25/05/1999	
3344	BRITTAS	LIMERICK	BASE METALS, BARYTES & SILVER	25/05/1999	
449	GRANGE	LIMERICK	BASE METALS, BARYTES & SILVER	20/03/2000	
450	KILDROMIN	LIMERICK	BASE METALS, BARYTES & SILVER	20/03/2000	
2531	WONDERHILL	LIMERICK	BASE METALS, BARYTES & SILVER	20/03/2000	
2638	FEDAMORE	LIMERICK	BASE METALS, BARYTES & SILVER	20/03/2000	

NORANDA EXPLORATION IRELAND LIMITED
 10 OLD BALREASK WOODS
 NAVAN
 CO. MEATH

AREA	TOWNLAND	COUNTY	MINERALS	START	SURRENDERED
2927	KILPEACON	LIMERICK	BASE METALS, BARYTES & SILVER	20/03/2000	
3367	MEANUS	LIMERICK	BASE METALS, BARYTES & SILVER	20/03/2000	
3431	LISNAGRY	LIMERICK	BASE METALS, BARYTES & SILVER	23/03/2000	
1943	KILMEEDY	LIMERICK	BASE METALS, BARYTES & SILVER	20/11/2000	
2594	BALLYOWEN	LIMERICK	BASE METALS, BARYTES & SILVER	20/11/2000	
3651	FEOHANAGH	LIMERICK	BASE METALS, BARYTES & SILVER	20/11/2000	
3550	CLOONLARA	CLARE	BASE METALS, BARYTES & SILVER	30/04/2001	
3807	ANNAHOLTY	TIPPERARY & LIMERICK	BASE METALS, BARYTES & SILVER	30/04/2001	
2850	PORTNARD	LIMERICK	BASE METALS, BARYTES & SILVER	17/07/2001	
3908	INCHMORE	LIMERICK	BASE METALS, BARYTES & SILVER	17/07/2001	

ORMONDE BRICK LIMITED

CASTLECOMER
CO. KILKENNY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3345	GORTEEN (PART)	KILKENNY	COAL & FIRECLAY	14/09/1998	

OVOCA RESOURCES PLC.ADRIGOLE
BEARA
CO. CORK

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3858	ASHGROVE	LIMERICK	BASE METALS, BARYTES & SILVER	17/01/1997	
3859	BALLYNACALLY	LIMERICK	BASE METALS, BARYTES & SILVER	17/01/1997	
3545	KILCOLMAN	LIMERICK	BASE METALS, BARYTES & SILVER	11/02/1999	
1753	ARDFINNAN	TIPPERARY	BASE METALS, BARYTES & SILVER	14/05/1999	31/03/2003
2717	BALLYCLARAHAN	TIPPERARY	BASE METALS, BARYTES & SILVER	14/05/1999	31/03/2003
2718	TULLAMAIN	TIPPERARY	BASE METALS, BARYTES & SILVER	14/05/1999	31/03/2003
3097	LOUGHLOHERY	TIPPERARY	BASE METALS, BARYTES & SILVER	14/05/1999	31/03/2003
3359	WOODROOFF	TIPPERARY	BASE METALS, BARYTES & SILVER	14/05/1999	31/03/2003
3618	CAHERABBEY LOWER	TIPPERARY	BASE METALS, BARYTES & SILVER	14/05/1999	31/03/2003
3712	BALLYBEG	TIPPERARY/ WATERFORD	BASE METALS, BARYTES & SILVER	14/05/1999	31/03/2003
3827	ROCKWELL	TIPPERARY	BASE METALS, BARYTES & SILVER	30/11/1999	31/03/2003

RENNICKS AND BENNETT LIMITED
26 UPPER MOUNT STREET
DUBLIN 2

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1496	SCALLANSTOWN	MEATH	BASE METALS, BARYTES & SILVER	16/08/1971	

RIO TINTO FINANCE & EXPLORATION PLC.

PO BOX 695
CASTLEMEAD-7TH FLOOR
LOWER CASTLE STREET
BRISTOL BS99 1FS
ENGLAND

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1245	CLONMELLON	WESTMEATH	BASE METALS, BARYTES & SILVER	13/05/1991	15/12/2002
3324	CLONLEAME	WESTMEATH	BASE METALS, BARYTES & SILVER	13/05/1991	15/12/2002
3638	SHEEPSTOWN	WESTMEATH	BASE METALS, BARYTES & SILVER	13/05/1991	15/12/2002
3639	MABESTOWN	WESTMEATH	BASE METALS, BARYTES & SILVER	13/05/1991	15/12/2002

SABINA RESOURCES LIMITED

55 WESTCHESTER DRIVE
LONDON
ONTARIO N6G 2K6
CANADA

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2096	RAHALLY	GALWAY	BASE METALS, SILVER & BARYTES	27/05/1999	
2097	BOOKEEN SOUTH	GALWAY	BASE METALS, SILVER & BARYTES	27/05/1999	
2760	COSMONA	GALWAY	BASE METALS, SILVER & BARYTES	27/05/1999	

TARA MINES LIMITEDKNOCKUMBER HOUSE
KNOCKUMBER ROAD
NAVAN, CO. MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1489R	DUNMOE (BY ASSIGNMENT)	MEATH	BASE METALS, BARYTES, GOLD & SILVER	26/10/1970	
1380R	ARDBRACCAN (PART) (BY ASSIGNMENT)	MEATH	BASE METALS, BARYTES, GOLD & SILVER	31/12/1970	
1661R	LISCARTON (PART) (BY ASSIGNMENT)	MEATH	BASE METALS, BARYTES, GOLD & SILVER	31/12/1971	
3246	DERRYCOOGH	TIPPERARY	BASE METALS, BARYTES & SILVER	05/12/1986	
1949	KILMALLOCK	LIMERICK	BASE METALS, BARYTES & SILVER	27/05/1987	
3249	MOUNTCOOTE	LIMERICK	BASE METALS, BARYTES & SILVER	27/05/1987	
3366	KILFINNY	LIMERICK	BASE METALS, BARYTES & SILVER	27/04/1988	
3368	TORYHILL	LIMERICK	BASE METALS, BARYTES & SILVER	27/04/1988	
3369	CROOM	LIMERICK	BASE METALS, BARYTES & SILVER	27/04/1988	
3488	WOLFESBURGESS WEST (BY ASSIGNMENT)	LIMERICK	BASE METALS, BARYTES & SILVER	02/05/1988	
3489	RATHKEALE (BY ASSIGNMENT)	LIMERICK	BASE METALS, BARYTES & SILVER	02/05/1988	
580	GOWLAN	LONGFORD	BASE METALS, BARYTES & SILVER	19/05/1988	
3364	BALLINALEE OR SAINT JOHNSTOWN	LONGFORD	BASE METALS, BARYTES, GOLD & SILVER	19/05/1988	

TARA MINES LIMITEDKNOCKUMBER HOUSE
KNOCKUMBER ROAD
NAVAN, CO. MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1588	DRUMEEL	LONGFORD	BASE METALS, BARYTES & SILVER	28/03/1990	
3622	BECTIVE	MEATH	BASE METALS, BARYTES & SILVER	30/03/1990	
3634	KILLETER	LONGFORD	BASE METALS, BARYTES & SILVER	08/01/1991	
666	EDGEWORTHSTOWN	LONGFORD	BASE METALS, BARYTES & SILVER	04/03/1991	
786	ADARE (BY ASSIGNMENT)	LIMERICK	BASE METALS, BARYTES & SILVER	01/05/1991	
1583	NEWPARK (BY ASSIGNMENT)	LIMERICK	BASE METALS, BARYTES & SILVER	01/05/1991	
3373	BARFORDSTOWN	MEATH	BASE METALS, BARYTES & SILVER	01/03/1993	
3633	LISDUFF (E.D. LONGFORD RURAL)	LONGFORD	BASE METALS, BARYTES, GOLD & SILVER	03/06/1993	
581	DERRYGLOGHER	LONGFORD	BASE METALS, BARYTES & SILVER	28/12/1993	
3785	KILLEEN	TIPPERARY	BASE METALS, BARYTES & SILVER	07/03/1994	
1302	ENNISCOUSH	LIMERICK	BASE METALS, BARYTES & SILVER	28/06/1994	
1584	ARDNAPREAGHAUN	LIMERICK	BASE METALS, BARYTES & SILVER	28/06/1994	
184	BACK OF THE HILL	LONGFORD	BASE METALS, BARYTES & SILVER	20/01/1995	

TARA MINES LIMITEDKNOCKUMBER HOUSE
KNOCKUMBER ROAD
NAVAN, CO. MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
643	CORROWROE (E.D. KILLEEN)	GALWAY	BASE METALS, BARYTES, GOLD, & SILVER	20/04/1995	
3840	LECARROW	GALWAY	BASE METALS, BARYTES, GOLD, & SILVER	20/04/1995	
1324	KILBRIDE	MEATH	BASE METALS, BARYTES & SILVER	16/11/1995	
2774	RINVANNY	LONGFORD	BASE METALS, BARYTES & SILVER	10/09/1997	
3404	URLINGFORD	KILKENNY	BASE METALS, BARYTES & SILVER	10/09/1997	
185	KEENAGH	LONGFORD	BASE METALS, BARYTES & SILVER	14/10/1999	
1183	GREATISLAND	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1185	NEWBAWN	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1188	SCULLABOGE	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1190	CLONROCHE	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1191	TEMPLESCOBY	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1192	KILPIERCE	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1193	ENNISCORTHY (PART)	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	

TARA MINES LIMITEDKNOCKUMBER HOUSE
KNOCKUMBER ROAD
NAVAN, CO. MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1194	BALLYSIMON	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1196	FERNS	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1197	BALLYTRACEY	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1198	CAMOLIN	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1199	BALLOUGHTER	WEXFORD	BASE METALS, BARYTES, GOLD, & SILVER	10/03/2000	
1200	GOREYHILL	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1201	RAHEENAGURREN EAST	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1813	INCH	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
3264	DRANAGH	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
3463	SALTMILLS (E.D. BALLYHACK)	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
3464	NASH	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
3465	ROCHESTOWN	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
3466	TEMPLESHELIN	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	

TARA MINES LIMITEDKNOCKUMBER HOUSE
KNOCKUMBER ROAD
NAVAN, CO. MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3822	ADAMSTOWN	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
3851	NUGENTSTOWN	MEATH	BASE METALS, BARYTES & SILVER	30/04/2001	
3590	BALLYGARRETT	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	11/06/2001	
3912	RATHALDRON	MEATH	BASE METALS, BARYTES, & SILVER	19/04/2002	
1948	KNOCKFENORA	LIMERICK	BASE METALS, BARYTES, GOLD & SILVER	11/07/2002	
3581	DOONMOON	LIMERICK	BASE METALS, BARYTES, GOLD & SILVER	29/07/2002	
3582	BOTTOMSTOWN	LIMERICK	BASE METALS, BARYTES, GOLD & SILVER	29/07/2002	
3476	ROEGARRAUN	TIPPERARY	BASE METALS, BARYTES & SILVER	24/02/2003	

VULCANOR EXPLORATIONS LIMITED

27 EUSTACE STREET

TEMPLE BAR

DUBLIN 2

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3346	KILDALKEY	MEATH	BASE METALS, BARYTES & SILVER	16/09/1996	
3852	FRAINE	MEATH	BASE METALS, BARYTES & SILVER	16/09/1996	

WESTLAND EXPLORATION LIMITED
 11 MESPIL ROAD
 DUBLIN 4

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1226	BALLYMORE (BY ASSIGNMENT)	WESTMEATH	BASE METALS, BARYTES & SILVER	16/05/1968	
1228	CREEVE (BY ASSIGNMENT)	WESTMEATH	BASE METALS, BARYTES & SILVER	16/05/1968	
1229	GLEN (BY ASSIGNMENT)	WESTMEATH	BASE METALS, BARYTES & SILVER	16/05/1968	
1440R	GIBSTOWN (BY ASSIGNMENT)	MEATH	BASE METALS, BARYTES & SILVER	23/10/1972	
1653	COOLBALLY (BY ASSIGNMENT)	LAOIS	BASE METALS, BARYTES & SILVER	22/02/1983	
505	CLONYEGAN	WESTMEATH	BASE METALS, BARYTES & SILVER	22/06/1985	
506	BOYANAGH (EARL)	WESTMEATH/ OFFALY	BASE METALS, BARYTES & SILVER	22/06/1985	

PART 3

Receipts

Moneys collected by the Minister in the period from 1 January 2003 to 30 June 2003 under Minerals Development Acts, 1940-1999

The total amount of moneys collected by the Minister under or by virtue of any lease, permission, or licence under those Acts set out in the list in Part 5 was €642,334.69. This amount includes €22,351.60 by way of recoupment to the Minister by licence holders of monies paid by him to private mineral owners in respect of the working of those minerals under State Mining Licences.

Other receipts in the said period

The total amount of moneys collected by the Minister during the period from other sources [leases granted under the Mines and Minerals Act, 1931 (No. 54)] amounted to €497.37.

PART 4

Minerals Acquisition Orders made under the Minerals Development Act, 1940

Minerals Acquisition Orders made under that Act were:

- (i) Minerals Acquisition (Slieveardagh Coalfield) Order, 1941 (lands near Thurles, Co. Tipperary) (Coal)
- (ii) Minerals Acquisition (County Roscommon) Order, 1942 (lands near Gubbarudda, Co. Roscommon) (All minerals)
- (iii) Minerals Acquisition Order 1946 (lands near Kingscourt, Co. Cavan) (All minerals)
- (iv) Minerals Acquisition Order 1954 (lands near Avoca, Co. Wicklow) (All minerals)
- (v) Minerals Acquisition Order 1955 (lands near Avoca, Co. Wicklow) (All minerals)
- (vi) Minerals Acquisition (East Clare) Order, 1956 (lands near Ennis) (All minerals)
- (vii) Minerals Acquisition (Roaring Water) Order, 1956 (lands near Skibbereen, Co. Cork) (All minerals)
- (viii) Minerals Acquisition (Kenmare) Order, 1956 (lands near Kenmare, Co. Kerry) (All minerals)
- (ix) Minerals Acquisition (Bonmahon) Order, 1956 (lands near Bonmahon, Co. Waterford) (All minerals)
- (x) Minerals Acquisition (Allihies) Order, 1957 (lands near Allihies, Co. Cork) (All minerals)
- (xi) Minerals Acquisition (Allihies) Order, 1960 (lands near Allihies, Co. Cork) (All minerals)
- (xii) Minerals Acquisition (Carhoon and other townlands) Order, 1962 (lands near Tynagh, Co. Galway) (All minerals)
- (xiii) Minerals Acquisition (Drumming and other townlands) Order, 1963 (lands near Drumming, Co. Longford) (All minerals)
- (xiv) Minerals Acquisition (Ardateggle and other townlands) Order, 1964 (lands near Rossmore, Co. Laois) (All minerals)
- (xv) Minerals Acquisition (Gortdrum and other townlands) Order, 1965 (lands near Gortdrum, Co. Tipperary) (All minerals)
- (xvi) Minerals Acquisition (Gortnacleha and other townlands) Order, 1965 (lands near Silvermines, Co. Tipperary) (All minerals)
- (xvii) Minerals Acquisition (Ballybeg, Co. Clare) Order, 1970 (All minerals)

PART 5

Main Legislation Governing Minerals Prospecting and Development in Ireland

The main legislative provisions governing minerals prospecting and development in Ireland in the period of this report are contained in the **Minerals Development Acts, 1940-1999**, and **Regulations** made thereunder:

Acts

- Minerals Development Act, 1940 (No. 31)
- Petroleum and Other Minerals Development Act, 1960 (No. 7)
- Minerals Development Act, 1979 (No. 12)
- Minerals Development Act, 1995 (No. 15)
- Minerals Development Act, 1999 (No. 21)
- Merchant Shipping (Investigation of Casualties) Act, 2000 (No. 14)

Regulations

- Minerals Development Regulations, 1979 (No. 340)
- Minerals Development (Amendment) Regulations, 1994 (No. 319)
- Minerals Development (Application fees for certain State mining facilities) Regulations, 1996 (No. 259)

PART 6

Relevant Recent Publications by the Department

General

- Current State Mining and Prospecting Facilities and Areas Open for Application Under Competition, With Map, 1st May, 2003. MP18/03. 55pp.
- Exploration and Mining Facilities. MP 10/03. 6pp.
- Land of Mineral Opportunities. MP 11/03. 6pp.
- Environmental Safeguards - the Irish Way. MP 09/03. 4pp.
- Mine Waste Management Workshop, Dublin, 2002. Available on CD.
- Industry News (March 2003). MP 13/03. 6pp.
- Zinc and Lead in Ireland. MP 07/03. 6pp.
- Gold in Ireland. MP 08/03. 4pp.
- The “Top 55” Deposits. MP 06/03. 14pp.
- Airborne Data Release Initiative 2001. MP 12/03. 4pp.
- Joint Venture Opportunities in Ireland. MP 17/03. 8pp.
- Exploration Permit Areas and Status. (Feb. 2003) MP 05/03. Available on CD.

Minfo Leaflets

- Exploration Focus - Clontibret Gold Prospect (1993). Minfo 10/93. 4pp.
- Glangevlin Gypsum Deposit (1995). Minfo 12/95. 4pp.
- Guidelines for Good Environmental Practice in Mineral Exploration. Minfo 1/01. 4pp.
- Consultants and Contractors in Ireland. Minfo 1/02. 4pp.
- Fiscal Framework. Minfo 2/02. 4pp.
- Guidelines for Regional Airborne Geophysical Surveying for Minerals. Minfo 5/02. 2pp.
- Support Agencies. Minfo 3/02. 2pp.

Exploration Data Release (available on CD)

- Airborne magnetic survey (1995) Midlands, Oldtown and Harberton Bridge areas. MP 09/01. 43pp.
- Airborne magnetic and TEM survey (1995) Lisheen/Galmoy, Clonmel and Tullamore areas. MP 10/01. 14pp.
- Airborne magnetic and TEM survey (1996) Galmoy area. MP 11/01. 11pp.
- Airborne magnetic and radiometric survey (1996) Inishannon and Lismore areas. MP 13/01. 12pp.
- Airborne magnetic and TEM survey (1996) Lisheen, Silvermines and Lough Derg areas. MP 14/01. 12pp.
- Airborne magnetic and TEM survey (1997) Carrickmacross, Newbridge, Summerhill, Tullamore and Lisheen and Navan test areas. MP 16/01. 16pp.
- Exploration data release (to 1996) over parts of Co. Tipperary and Co. Offaly. MP 03/02.
- Airborne TEM and magnetic survey (1997) over the Portumna and Clare areas. MP 09/02. 12pp.
- Airborne TEM and magnetic survey (1997) over the Tullamore area. MP 11/02. 12pp.
- Airborne TEM and magnetic survey (1998) over the Limerick, Gort and Newbridge South area. MP 13/02. 11pp.
- Airborne TEM and magnetic survey (1998) over the Limerick area. MP 15/02. 9pp.
- Airborne TEM and magnetic survey (1998) over the Silvermines area. MP 16/02. 11pp.
- Airborne magnetics survey (1997) over the Rathdowney area. MP 17/02. 8pp.
- Airborne magnetics survey (1998) over the Tulla, East Clare, area. MP 21/02. 9pp.
- Airborne magnetic survey (1998) over the Tipperary area. MP 22/02. 9pp.
- Arcon Airborne Magnetic Survey (1996) over the Galmoy area. MP 23/02. 8pp.
- Exploration data release (to 2002) over parts of Cos. Galway, Roscommon, Westmeath, Offaly. MP 02/03.
- BHP Airborne TEM and Magnetic survey (1998) over Fermoy East and West, Ballinalack, Carrickmines East, Clare, Lough Sheelin and Mohill areas. MP 14/03. 10pp.
- Exploration data release (1972-2001) over parts of Cos. Meath, Westmeath and Offaly. MP 19/03.

PART 7

Dáil Questions Answered by the Minister for Communications, Marine and Natural Resources in the Six Months ended 30 June 2003 in Relation to Minerals Matters

Questions (W = Written, O = Oral)	Date answered
To ask the Minister for Communications, Marine and Natural Resources:	
... if he has received communications from the owners of a company (details supplied) regarding the plans for the future of the mine; and if he will make a statement on the matter. (O) – Liz McManus (Nominated by Thomas P. Broughan)	4 March 2003
... the degree to which interest has increased or decreased in exploration in regard to on or offshore activities; and if he will make a statement on the matter. (W) – Bernard J. Durkan	15 April 2003
... the extent if any to which he has had discussions with mining or exploration interests in regard to ongoing projects or future proposals; and if he will make a statement on the matter. (W) - Bernard J. Durkan	15 April 2003
... if there have been any positive indications arising from mining, oil or other mineral explorations in recent times; and if he will make a statement on the matter. (W) – Bernard J. Durkan	15 April 2003
... his plans for the exploration and the maximisation of opportunity arising from the development of natural resources; and if he will make a statement on the matter. (O) – Bernard J. Durkan	15 April 2003
... the information he has received from the owners a company (details supplied) regarding the plans for the future of the mine; and if he will make a statement on the matter. (O) – Willie Penrose (Nominated by: Thomas P. Broughan)	15 April 2003

<p style="text-align: center;">Questions (W = Written, O = Oral)</p>	<p style="text-align: center;">Date answered</p>
<p>To ask the Minister for Communications, Marine and Natural Resources:</p>	
<p>... the discussions he has had, if any, with the former operators of the Silvermines facility in County Tipperary regarding the severe problems for local residents caused by the dried-out tailings pond; the steps being taken to ensure the implementation of the rehabilitation plan for the pond published by his Department in 2002; and if he will make a statement on the matter. (O) – Kathleen Lynch (Nominated by: Thomas P. Broughan)</p>	<p style="text-align: center;">15 April 2003</p>
<p>... if, at the next plenary in October 2003 on the international diamond certification scheme known as the Kimberly Process, the Government will press for the establishment of a regular and effective monitoring mechanism to assess over time all national diamond control systems; and the diamond control systems, regulations and laws which are currently in place here or are planned. (W) – Aengus O. Snodaigh</p>	<p style="text-align: center;">8 May 2003</p>
<p>... if his Department has received a response from the former operators of the Silvermines facility in County Tipperary to the document served on the company specifying the remedial work to be carried out at the dried out tailings pond at the mine site; and if he will make a statement on the matter. (O) – Willie Penrose (Nominated by: Thomas P. Broughan)</p>	<p style="text-align: center;">11 June 2003</p>
<p>... the position in regard to oil, gas or other mineral finds; if new prospects, commercial or otherwise have merged in recent times; and if he will make a statement on the matter. (W) – Bernard J. Durkan</p>	<p style="text-align: center;">11 June 2003</p>
<p>... the prospects for mining exploration onshore and offshore; and if he will make a statement on the matter. (W) – Bernard J. Durkan</p>	<p style="text-align: center;">11 June 2003</p>