

**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 2006**

**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 13/06

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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 2006

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 2006** 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 2006**.

As of **30 June 2006** there were:

- **11** extant State Mining Leases
- **10** extant State Mining Licences
- **1** extant State Mining Permission
- **274** extant Prospecting Licences

In the period of six months ended **30 June 2006**:

- **44** Prospecting Licences were granted
- **11** Prospecting Licences were surrendered
- Total receipts amounted to **€2,423,237.56**.

HIGHLIGHTS OF PERIOD

- Base metal prices in Euro continued to rise. The average zinc price for the period was €2,236 per tonne, compared to €1,221 per tonne, in the previous six months. Normal operations continued at the three base metal mines: Boliden Tara Mines Limited at Navan, Co. Meath; The Lisheen Mine, Co. Tipperary; and Arcon Mines Limited, Galmoy, Co. Kilkenny.
- Boliden Tara Mines Limited, operator of the Navan zinc/lead mine in County Meath, was granted a State Mining Lease for State minerals in Nevinstown adjacent to the former Bula property. The company has applied for a new State Mining Facility for a major south west extension of the mine, known as the SWEX-B, which is expected to be finalised later in the year. In the meantime, a State Mining Permission was granted to the company to allow access for a limited period to some of the SWEX-B ore while the application is being progressed.
- The Directive on the Management of Waste from the Extractive Industry Directive 2006/21, which sets common standards for the industry across the EU, came into force on 1 May 2006. It must be implemented within two years.
- Irish Gypsum commenced production at their new underground gypsum mine at Drummond, Co. Monaghan in January.
- The Raw Materials Supply Group, a multi-stakeholder forum under the auspices of DG Enterprise and Industry continued its work. This included preparation of the second report on

Sustainable Development Indicators. A further discussion document was issued on the study on the competitiveness of the extractive industry in the EU, with the final report expected in 2006.

- At a meeting held 27 June 2006 the Government approved the drafting of the Minerals Development Bill 2006.

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RECENT DEVELOPMENTS IN EXPLORATION AND MINING

During the last six months (January to June 2006) the base metal mining sector has benefited from substantially increased zinc prices. At the end of 2004 the price of zinc was in the order of \$1,000/t, while in May 2006 the price reached an all-time high of \$3,950/t. Although the price dropped 25% in June to \$2,940/t, it has recovered since, and there is a general expectation that for the rest of 2006, at least, the price will remain above \$3,000/t. Ireland continues to account for a significant amount of Western European mine production of zinc and lead. In 2005, Ireland produced 41% of Western Europe's zinc and 27% of its lead. The escalation in the price of oil continues to impact on energy costs.

The growth in optimism in the exploration sector, which has resulted in an increase in applications for prospecting licences, has begun to impact on the ground.

Development

- **Navan (Boliden)**

Production levels at **Boliden Tara Mines Navan** mine in 2005 improved to near-budgeted levels, and the mine recorded its highest ever hoisted tonnage of 2,679,776 tonnes grading 8.34% Zn, 1.57% Pb. The milled tonnage was slightly lower, owing to problems in the crushing plant in mid year, at 2,550,534 grading 8.35% Zn and 1.57% Pb, with the unprocessed tonnes stockpiled for treatment in 2006. During 2005, the company produced 358,563t of zinc concentrate (54.6% Zn) and 44,528t of lead concentrate (57.6% Pb). Total production (1977-2005) amounts to 62.09Mt grading 8.37% Zn and 2.02%Pb.

At the end of 2005, Boliden's JORC Classified Ore **Reserves** for the entire orebody amounted to 15.9Mt at 8.5% Zn and 1.8% Pb, with an additional 17.1Mt of Mineral **Resources** grading 7.4% Zn and 2.1% Pb.

Production in both Nevinstown and the South West Extension (SWEX) proceeded well and met expectations. In SWEX, underground development commenced into the SWEX-B section of the orebody, where upgrading Inferred Resources to Probable Reserves, using underground diamond drilling, added some one million tonnes to the Ore Reserves. Further additions to Ore Reserves were made during expansion of the SWEX area near the E Fault Zone, and by the discovery of a new small zone of Conglomerate Group Ore. During the latter half of 2005, groundwater problems were experienced in exploration drifts in SWEX-B, and specialist grouting contractors were employed in this area; this had no effect on production.

A State Mining Lease was granted to Boliden for a section of the Nevinstown orebody in June 2006. In addition, a State Mining Permission was granted to the company to allow extraction of a limited amount of ore from the SWEX-B while processing of the application of a State Mining Lease for the orebody continues.

A major ventilation project involving the boring of two deep vertical bored shafts in SWEX was completed in April 2006 within time and budget. The 690m x 4.5m diameter No. 5 Return Air Raise (5RAR) was completed in October 2005 by a South African contractor, using the world's largest raise-bore machine, in what is believed to be a record time. The 839m x 4.0m No. 4 Fresh Air Raise (4FAR) was completed in April. Commissioning of the new system, including fans and fan stations, will be completed in the third quarter of 2006.

- **Lisheen (Anglo American)**

During 2005, **Anglo American Lisheen Mining Limited** milled 1.46Mt of ore grading 12.01% Zn and 1.99% Pb from the underground mine at *Lisheen*, County Tipperary. This produced 299,000t of zinc concentrate (53.35% Zn) and 34,000t of lead concentrate (61.35% Pb). Total ore produced to end 2005 is 8.04Mt at 11.69% Zn and 2.2% Pb. **Reserves** at the end of 2005 were 10.58Mt at 14.04% Zn and 2.16 % Pb, with additional **Resources** of 3.99Mt at 13.71% Zn and 2.23% 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 (Lundin Mining)**

Following the merger in April 2005 of **Lundin Mining Exploration Limited** and Arcon International Resources Plc., Arcon Mines Ltd., a wholly owned subsidiary of the latter, changed its name to **Galmoy Mines Ltd.** Lundin Mining is a Canadian mining and exploration company, listed on the Toronto and Stockholm Stock Exchanges. The new parent company has initiated a series of projects in both the mine and mill to optimise the performance of the operation of the underground zinc-lead mine at *Galmoy*, County Kilkenny.

During 2005, the mine production was 0.64Mt grading 13.7% Zn and 3.95% Pb. This resulted in 143,631t of zinc concentrate (51.73% Zn) and 26,970t of lead concentrate (64.08% Pb). Total production since start of mining to end 2005 is 5.05Mt at 11.4% Zn and 2.2% Pb.

Reserves at the end of December 2005 were 3.55Mt at 14.7% Zn, 4.1% Pb and 26g/t Ag, with additional **Resources** (Measured and Indicated) of 1.61Mt at 10.9% Zn, 2.2% Pb and 43g/t Ag. 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.

In April, the company announced the discovery of significant new mineralisation at *Galmoy*. By the end of 2005, drilling had outlined a high grade extension of the K Orebody, the K Southwest Zone, which contained a measured resource of 187,000t grading 15.7% Zn, 3.8% Pb and 39g/t Ag. Further drilling in 2006 has extended the zone an additional 100 metres to the south.

Also in the vicinity of the mine, a new zone, the CW Southeast Zone, has been outlined by seven vertical drillholes, in an area of 100m x 50m, although it is not yet clear what effect, if any, this new zone will have on the mine's reserves and resources.

- **Irish Gypsum**

Irish Gypsum commenced production at their new underground gypsum mine at Drummond, Co. Monaghan in January. It is expected that production will reach full scheduled levels at the end of 2006.

Exploration

• Company Activities

Alba Mineral Resources PLC, a UK-based junior explorer, listed on the AIM in London, is the holding company of **Aurum Mineral Resources Ltd. (AMR)**. Through AMR, Alba holds or has applied for prospecting facilities over a number of properties in Ireland. The properties are at different stages of development, from conceptual exploration targets to more advanced drill-ready projects.

In February last, Alba reported positive initial exploration results from a rock sampling programme at the Company's *Bohaun* block of eight PLs in Connemara, in which the Company holds a 100% interest. The rock sampling survey outlined a coherent zone of gold-bearing, silicified outcrops and boulders measuring 1.25 kilometres in length and 125 metres wide. The programme has confirmed previously known mineralisation, and has also revealed new gold bearing outcrops. Sampling to date has returned a number of high-grade gold values, including 587.1, 51.1 and 19.9g/t Au, with associated silver values of 186.2, 10.9 and 1.4g/t Ag.

In April, Alba announced a joint work programme with **Boliden Tara Mines (Boliden)** for six contiguous prospecting licences at *Lough Gowna*, Co Longford. The licences, which are held jointly by AMR and Boliden, lie at the southwestern end of the Slieve Glah Shear Zone, on the SW margins of the Lower Palaeozoic Longford-Down Inlier. The main exploration target is gold-bearing quartz pebble conglomerates that overlie Lower Palaeozoic turbidites. Gold has been panned from the streams in the area, and Alba reports that a sample of quartz-pebble conglomerate outcrop returned a value of 1.0g/t Au. Alba is also exploring for carbonate-hosted gold in its north Co. Limerick block of licences.

Connemara Mining Company, who hold 22 prospecting licences for base metals, have said that they intend to spend €0.6M on a targeted drilling programme.

In April, **Conroy Diamonds and Gold Plc (Conroy)** reported more results from their gold exploration programme in the Lower Palaeozoic rocks of the Longford – Down massif. A programme of closely-spaced deep overburden sampling has identified two new zones of anomalous gold. The discoveries in Cargy, Co Armagh and Rackwallace, Co Monaghan lie northeast and southwest respectively of the company's *Tullybuck-Lisglassan* prospect. Both anomalous zones trend NW-SE, are approx 300m long, and are open at both ends. Values of up to 190ppb Au were returned at Cargy and up to 125ppb Au at Rackwallace. These compare with an average baseline value of 10ppb Au in the Longford-Down Massif. In June, Conroy carried out a detailed multi-component airborne geophysical survey over the majority of their groundholding. The survey was flown by the Geological Survey of Finland, in conjunction with the British Geological Survey, and included magnetics, electromagnetics (four frequencies), calculated resistivity and radiometrics. The line spacing was 200m, and the altitude was 55m. Preliminary results are expected by the end of August, with full analysis and interpretation to follow.



County Map of Ireland showing locations mentioned in italics in the text. Adare (AD), Athlone (AT), Avoca (AV), Ballinalack (BK), Bohaun (BN), Caherconlish (CC), Castlegarde (CG), Cregganbaun (CB), Galmoy (GY), Keel (KL), Kilmallock (KM), Lisheen (LI), Lough Gowna (LG), Loughrea (LR), Navan (NA), Pallas Green (PG), Portumna (PT), Rapla (RP), Tobermalug (TM), Tullybuck-Lisglassan (TL)

Bayswater Ventures Corp., through their wholly owned subsidiary **Jadebay Limited**, holds two prospecting licences in County Wicklow, encompassing the historic *Avoca* copper-zinc-lead sulphide stratiform deposits. The company's initial focus will be to evaluate the depth potential of a blind deposit down plunge from the known mineralisation. Additionally, the company will focus on the evaluation of near-surface zinc-lead-gold-silver mineralisation in zones such as Kilmacoo. The company had planned to carry out an airborne EM survey of the licences, and deep penetrating induced polarization surveys of selected sections of the licences. However, due to the lack of a suitably licensed helicopter, the airborne portion of the survey was cancelled. However, an expanded ground IP survey, which will investigate *Avoca's* sulphide mineralising system to a depth of 750m, commenced in June.

In addition to their minesite exploration, **Lundin Mining Exploration Limited** has also been carrying out exploration drilling at *Rapla*, approx. 6km northeast of the *Galmoy* Mine, and 500 metres southwest of the known *Rapla* prospect. The first of six holes to be drilled intersected semi-massive to massive sulphide mineralisation over 3.62m (545m depth), grading 9.79% Zn and 1.99% Pb. This included 1.92m grading 15.71% Zn and 3.64% Pb. In *Keel*, Co Longford, Lundin are completing compilation and reinterpretation of historic exploration data, and a programme of surface geophysical surveying (IP and Gravity) is underway. Lundin expect that this work will identify new targets for drilling, which would be carried out later this year.

Minco Plc (23.6%) and joint venture partner **Falconbridge** (formerly **Noranda**) (76.4%) continued their drilling programme on the *Pallas Green* project in east Co Limerick. In February, Minco announced results from drilling at a location 800m south of known mineralisation at *Tobermalug*, towards the western end of the 20km long *Pallas Green* Alteration Zone. DDH 636-24 intersected a significant zone of zinc and lead mineralisation associated with Black Matrix Breccias (BMBs) in basal Waulsortian Reef Limestones. Best values were 1.05m (at 350m depth approx.) of 11.27% Zn and 0.82% Pb. A further zone of weakly disseminated mineralisation occurs over 13.4m (at 440m approx.), with zinc values ranging between 0.22% and 1.58%. Towards the end of June, Minco released details of another significant mineralized intersection. Hole MN 636-32, located at Srahane, some 4km to the northwest of the *Caherconlish* zinc prospect, and 4.5 km west-northwest of the *Tobermalug* zinc prospect, is the most northwesterly hole to be drilled in the area to date. This hole intersected a zone of massive to semi-massive, high grade, sulphide mineralisation at 270m depth approximately, ten metres above the base of the Waulsortian Reef limestone. Assay results for the 5.2m section averaged 21.80% Zn, 2.73% Pb, and 11.06 g/t Ag. Another drillhole, MN 636-28, located about 1.6 km to the southeast of Srahane, and 4 km northwest of the *Tobermalug* prospect, in the area of Highpark, intersected thick "black matrix breccias", described by the company as "identical to those hosting the *Lisheen* and *Galmoy* orebodies". The best intersection was 5.21% Zn and 0.13% Pb over 0.65m at a depth of 274m, just above base of Reef.

Minco and Falconbridge have agreed a 2006 exploration budget of €1.06M for *Pallas Green*. While two rigs continue to investigate the wider area around *Caherconlish* and *Tobermalug* (in the western part of the area), it is expected that improving ground conditions will allow for detailed evaluation of these two prospects, with a total of three or four rigs working. A planned helicopter-borne geophysical survey, using EM and Magnetics, will be flown over a part of the property, in a preliminary 600 line-kilometre survey, later in the year.

Boliden Tara Mines continued its regional exploration in Co Limerick, comprising geophysics (including down-hole EM), geochemistry and drilling in both the *Adare* and *Kilmallock* blocks. In Co Wexford, the exploration effort has switched to a major geological review of the Ordovician volcanic belt, aided by VMS specialists from Sweden.

The Pallas Green Prospect, Co Limerick

The *Pallas Green* project comprises nine prospecting licences located in northeast Co. Limerick and south Co. Tipperary. Drilling by joint venture partners Minco (23.6%) and Falconbridge (76.4%) is currently testing a portion of the Pallas Green Alteration Trend, a zone of structural and hydrothermal complexity, which extends for over 20 kilometres. The Alteration Trend is considered analogous to the Rathdowney Trend in which both the *Lisheen* and *Galmoy* zinc deposits are located. The presence of pervasive alteration, with associated massive and disseminated pyrite together with sphalerite (zinc) and galena (lead) mineralisation, has been demonstrated along the entire length of the Pallas Green Alteration Trend. Significant zinc mineralisation has now been discovered both at the eastern end of the Trend at *Castlegarde*, and near the western end, adjacent to *Caherconlish* and *Srahane*. The intervening section remains relatively unexplored, except for a few widely spaced drill holes.

Recent drilling at the western end of the Trend has outlined a northeast-oriented area, 5km long by up to 1.5km wide, containing widespread pyrite (massive to semi-massive to disseminated) with associated zinc-lead values. This area includes the *Caherconlish* and *Tobermalug* prospects, where two discrete zones of high-grade zinc and lead mineralisation were discovered during 2005. It is believed that the area is bounded to the south by a major east-northeast trending fault, the Ballyneety Fault, which is offset by a series of northwest trending fault structures. In addition, significant mineralisation has been intersected in a drillhole at *Srahane*, 4km NE of *Caherconlish*. This drillhole lies on the NE side of a major NW-trending fault. These structural settings are considered by the companies to be analogous to those associated with many of the major Irish zinc deposits, including *Lisheen*, *Galmoy* and *Navan*.

Taken largely from Minco Plc Press Releases, 16th February 2006 and 23rd June 2006

Prospecting Licence Information

At 30 June 2006, a total of twenty-eight companies held 274 Prospecting Licences, primarily for base metals. During January to June 2006, a total of forty-four licences were issued. Twenty-seven licences were issued to **Teck Cominco Ireland Limited**, all for base metals, barytes, gold, silver, and Platinum Group Minerals. These included six licences in Counties Westmeath and Longford, northeast of the sub-economic *Ballinalack* zinc-lead deposit. They were also awarded ten licences in Counties Meath, Westmeath and Offaly. Together with licences already issued, Teck Cominco now has a large contiguous groundholding in the north Midlands of twenty-four licences, with others under application. They also received seven contiguous licences in south County Galway, north of the town of *Loughrea*, two adjoining licences in east Roscommon, west of *Athlone*, and two adjoining licences in north County Tipperary, immediately east of *Portumna* (County Galway). **Lundin Mining Exploration Limited** were awarded five adjacent licences in north County Limerick and one licence in County Longford, adjoining the *Keel* licence, already held by Lundin. **Connemara Mining Co. Limited** received one licence in County Limerick (adjacent to ground already held by them), and one licence in County Kildare. All of these licences are for base metals, barytes, silver and gold. Aurum Mineral Resources and Ormonde Mining were jointly granted five licences in County Wicklow



Map showing currently held Prospecting Licence areas over the southern part of the zinc-rich 'Rathdowney Trend' for which exploration data has just been released.

for base metals (including tungsten, lithium and molybdenum), gold, silver and Platinum Group Minerals. In addition, Aurum Mineral Resources received two adjacent licences in northeast County Clare, and one licence in central County Limerick; all licences are for base metals, barytes, silver and gold. Finally, **Kellys of Fantane** were granted a licence in County Tipperary, near the *Lisheen* mine, for dolomite and dolomitic limestone.

Exploration Support

Over the past five years, the Exploration and Mining Division (EMD) has initiated a number of complementary exploration support programmes, which are now maintained on an ongoing basis. The common approach is to provide, free of charge and in digital format, all non-confidential data that is available through the Division, and to provide added value where the opportunity arises.

Data Availability Programmes

A substantial amount of company exploration data was made available through these programmes in 2005, both online (www.minex.ie) and on CD/DVD-ROM. Online data is now available for over 40% of the area covered by prospecting licences.

Data from Current Licences

All data over six years old from current prospecting licences are released under this programme. Nine CD/DVDs containing hundreds of exploration company reports dating back to the early 1960s, have been released since 2002. The most recent DVD was released in March 2005 and relates to ten Prospecting Licence areas located in the southern part of the Rathdowney Trend in which the Galmoy and Lisheen zinc-lead mines are located. In addition, companies who availed of the 2002-2004 exploration expenditure concessions and are seeking joint venture partners have also had their data released. As a result, over 150 currently held areas now have information from current holders in the public domain (for coverage see figure).

Data for Surrendered Licences

Exploration data from surrendered licences are released four times a year, when the relevant quarterly Prospecting Licence Competition for newly available ground takes place. In the past year, data for 68 licence areas has been made publicly available.

Airborne Geophysics Data Release

Low level high resolution geophysical surveys have been flown over 59 areas by various companies under the EMD 'open skies' policy since 1995. Some 35% of the country, largely prospective Lower Carboniferous terrain, has been covered. All data is lodged with EMD. Once the four-year confidentiality period has expired, these data are made progressively available to the public. The first survey was released in June 2001, and to date over 78% of the coverage has been made available **free** on CD (see figure). Each geophysics release includes digital databases, grids and maps.

Online availability of Company Data

This programme is driven by a commitment to provide both industry and the general public with as much free information as possible regarding company activities, ground assessment for exploration, and newly available areas for competitive application. Thousands of company reports relating to approximately 650 PL Areas have now been uploaded onto the www.minex.ie website. This figure represents more than 40% of the ground covered by PL Areas. All exploration data released prior to 2000 are online, and are available through the Geological Survey of Ireland (www.gsi.ie).

Digital Prospecting Licence Data

Digital versions of the Prospecting Licence map are now produced twice a year. These are provided free on request (email: EMDTechnical.info@dcmnr.gov.ie). All licence data are provided on CD in shapefile format, for use with the ESRI suite of GIS products. A free map viewer 'ArcExplorer' is bundled with the licence data. This enables clients without access to GIS desktop applications to display the licence data, and determine ground status. The area boundaries can also be downloaded from the www.minex.ie website.

Target Areas Programme

This programme is intended to stimulate interest in specific areas of the country by providing focused information and added value to the ongoing data release programmes where appropriate.

Airborne Magnetic Interpretation

EMD has entered into an agreement with PGW Europe Ltd. to process and interpret the recently released airborne magnetic data covering the highly prospective Lower Carboniferous Central Basin area of Ireland. As part of this initiative, reports and a number of maps at 1:100,000 scale (geophysical interpretation, processed magnetic, prospecting licence areas, mineral deposits) are being released on CD for three adjoining areas in the Irish Midlands. Additional digital products will also be available from PGW Europe Ltd. These include the original processed products, linked/levelled total magnetic field, individual/composite grids and enhanced images for interpretation (e.g. 1VD, RTP, AS, Euler).

Data on Gold in Ireland

To increase the awareness of the gold potential of the country, a digital release of all known gold localities in a GIS format was re-issued in 2005. The free CD is a joint EMD-Geological Survey of Ireland product. The localities are described and also spatially located on a simplified geological map. The CD also includes a review of the potential for gold mineralisation and a full bibliography. The gold spatial data are also accessible through the www.minex.ie website.

Cregganbaun and Adjacent Gold Target Areas

Following on from the success of its *Ballinalack* Zn-Pb data compilation, EMD has subsequently issued another free 'Target Areas' digital product covering the *Cregganbaun* gold prospect and adjacent gold target areas. Previous exploration at *Cregganbaun* has highlighted extensive gold mineralisation, with grades of up to 270g/t Au. Mineralisation is associated with a major shear zone that cuts deformed Ordovician sediments. This recently issued CD contains pertinent GIS data (geology, drill-hole locations, PL Areas), plus a collection of relevant company exploration reports and technical papers. The ground covered by this CD is currently available for application.

The MAPS Initiative (www.minex.ie)

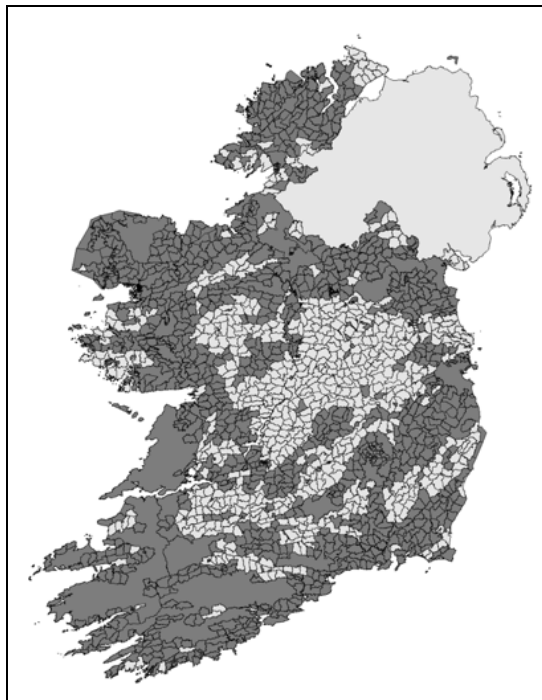
The MAPS (Minerals Administration Programme Support) Initiative is a major e-Government project undertaken by EMD's parent Department to encourage and facilitate exploration and mining in Ireland. The MAPS system currently delivers:

- An online permitting facility that allows clients to assess the status of licences;
- FREE online access for ground assessment purposes to all publicly available information held by EMD, including GIS data, exploration company reports and other archival material;
- An up-to-date industry focused website providing clients with mineral potential information, regulatory data, industry news, the latest company and Ministerial press releases, reviews, EMD publications, etc.;
- Improved efficiency of service to customers, through e-Enabled and g-Enabled user-friendly systems.

Customers can also use "GEMS" (EMD's web-based GIS mapping tool), to visualise and query a variety of GIS layers pertinent to mineral exploration, including base maps, permit areas, geology, environmental constraint areas, forestry coverage, mineral deposits, historic and current mines, gold occurrences, airborne geophysics survey areas and boreholes. The GEMS map viewer also provides users with access to a significant repository of other documents that are of additional benefit in assessing exploration ground (e.g. company reports, borehole logs, mineral deposit summaries, environmental synopses of constraint areas). Although somewhat delayed, the remaining elements of MAPS, namely the full e-Business facilities for permitting and the back-office workflow system designed to deliver increase efficiency to customers, will be rolled out in 2006.

PDAC Convention, Toronto, March 2006

The 74th Annual Convention and Trade show of the Prospectors and Developers Association of Canada (PDAC) was held in Toronto from 5 to 8 March 2006. EMD took its usual stand location at the Trade Show, where we exhibited with the Geological Survey of Ireland and with 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 this year the attendance figures reached an all-time high of 14,500. It is expected that our involvement in the Trade Show will result in an increased interest in exploration in Ireland.



Map showing (light grey) Prospecting Licence Areas for which exploration data are available online. The coverage relates to all data released since 1st January 2000.

Exploration and Mining Expenditures 2004

Based on figures provided by exploration and mining companies, exploration expenditure during the calendar year 2004 totalled €6.85 million. (Figures for 2005 are not yet available). While this figure was less than expended in 2003 (€8.04M), there was an increase in expenditure in Prospecting Licence (PL) areas (€3.95M in 2004, €3.13M in 2003); however, this was more than offset by a decrease in exploration in State Mining Facilities (€2.90M in 2004, €4.92M in 2003). It is worth noting that the increase in expenditure in PL areas occurred during the third year of a moratorium on exploration expenditure. This moratorium acknowledged the difficulties that the exploration sector was encountering, and excused required expenditure in PL areas. The moratorium lasted for three years only, 2002 to 2004.

The majority of the exploration expenditure in PL areas related to base metal exploration (€3.64M), with lesser amounts spent on gold exploration (€0.21M) and on other minerals (€0.10M). The expenditure on exploration in State Mining Facilities was largely directed at base metals (zinc, lead), with a minority accounted for by exploration for gypsum. Development costs in State Mining Facilities in 2004 amounted to €8.22M, considerably down on the €13.87M spent in 2003. However, development expenditure from year to year can be very variable, and the figures do not suggest a reduction in investment in the mining sector.

A. Prospecting Licences

Activity	Base Metals €	Gold €	Other Minerals €	Total €
Geology	254,566	46,698	8,700	309,964
Geochemistry	335,248	45,119	0	380,367
Geophysics	285,160	0	0	285,160
Airborne Surveys	0	0	0	0
Drilling	2,468,730	56,630	0	2,525,360
Trenching	0	15,932	0	15,932
Environmental Studies	500	0	1,077	1,577
Feasibility Studies	0	0	90,000	90,000
Other Field Related Costs*	272,782	43,733	2,000	318,515
Other Costs**	23,000	0	0	23,000
Total Expenditure (PL Areas)	3,639,986	208,112	101,777	(a) 3,949,875

B. State Mining Facilities (SMF)

Exploration Expenditure:

Drilling	2,455,031
All other expenditure, excluding Irish office overheads	440,205
Total Exploration Expenditure (SMFs)	(b) €2,895,236

Total Development Expenditure:

	8,216,061
Total Expenditure SMF Areas	11,111,297

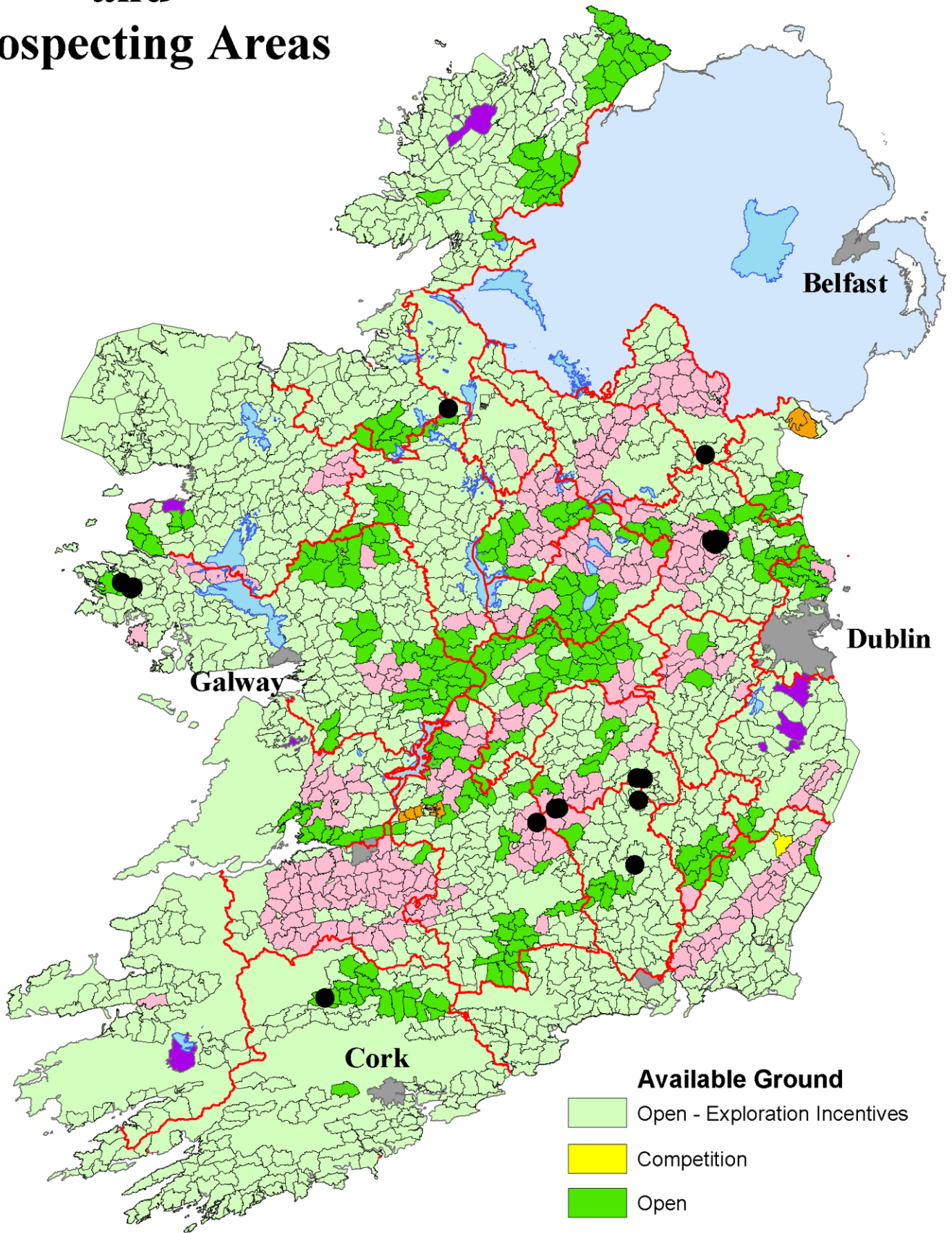
Irish Office Overheads	2,038,184
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Total Overall Expenditure	€17,099,356
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Exploration Expenditure, PLs and SMFs i.e. (a) + (b)	€6,845,111
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*Includes accommodation, travel, salaries during fieldwork, and report writing, but excludes office overheads. ** Includes consultancies, data acquisition.

Current Status of State Mining and Prospecting Areas



Available Ground

- Open - Exploration Incentives
- Competition
- Open

Unavailable Ground

- Licences Offered/Unavailable
- Held
- Current State Mining Facilities

0 12.5 25 50 75 100 125 Kilometres

**TOP TEN EXPLORATION COMPANIES RANKED BY
PROSPECTING LICENCES HELD AT 30 JUNE 2006**

COMPANY	PLS HELD
Boliden Tara Mines Limited	52
Teck Cominco Limited	35
Conroy Diamonds and Gold Plc.	27
Minco Ireland Limited (including joint licence)	27
Connemara Mining Company Limited	23
Aurum Mineral Resources Limited	22
Lundin Mining Exploration Limited (formerly Arcon Exploration Plc.)	20
Asarco Exploration Inc.	13
Anglo American Lisheen Mining Limited (assigned from Amcorp Irl. Ltd.)	8
Central Mining Finance	7
TOTAL:	234

A further 40 licences are held by an additional 18 companies, i.e. a total of 28 companies hold 274 licences.

PART 1

11 State Mining Leases, 10 State Mining Licences and 1 State Mining Permission granted under the Acts and current during the period 1 January to 30 June 2006

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

SUMMARY

SML NO.	HELD BY	COUNT Y	VALIDITY		PRESENT POSITION
			FROM	TO	
State Mining Licences					
1	Galmoy Mines Limited	Kilkenny	03.02.1995	02.02.2016	Lead and Zinc - In production
2	Boliden Tara Mines Limited	Meath	03.07.1998	31.08.2010	Lead and Zinc - In production
3	Boliden Tara Mines Limited	Meath	03.07.1998	31.08.2010	Lead and Zinc - In production
4	Boliden Tara Mines Limited	Meath	11.09.2000	31.08.2010	Lead and Zinc - In production
5	Boliden Tara Mines Limited	Meath	15.01.2004	31.08.2010	Lead and Zinc - In production
6	Galmoy Mines Limited	Kilkenny	29.08.2002	02.02.2016	Lead and Zinc - In production
8	Galmoy Mines Limited	Kilkenny	21.01.2005	02.02.2016	Lead and Zinc - In production
9	Galmoy Mines Limited	Kilkenny	28.08.2005	02.02.2016	Lead and Zinc - In production
10	Galmoy Mines Limited	Kilkenny	28.02.2005	02.02.2016	Lead and Zinc - In production
134	Ormonde Brick Limited.	Kilkenny	01.06.2004	31.05.2029	Coal and Fireclay
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 - In production
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 1996
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
116	Boliden 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) Killoran Lisheen Mining Limited (3) Lisheen Milling Co.	Tipperary	07.10.1997	06.10.2027	Zinc, lead and other Minerals In production
143	Eurostone Limited.	Cork	01.06.2004	31.12.2008	Dolomite and Dolomitic Limestone
State Mining Permissions					
63	Dan Morrissey Limited	Laois and Carlow	01.06.2006	31.05.2007	Coal and Fireclay - In production

Name and Address of Lessee: **Anglo American Lisheen Mining Limited**
Killoran Lisheen Mining Limited
Lisheen Milling Co.
Killoran, Moyne, Thurles,
County Tipperary

Minerals: All minerals except gold

Lands Concerned: Derryville (part), Killoran (part), Ballyerk (part), Barnalisheen (part), County 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; €126,973.80 for the second year; €380,921.42 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: **Boliden Tara Mines Limited**
Knockumber House, Navan,
County Meath

Minerals: Lead, zinc and other minerals

Lands Concerned: Ardbraccan (part), Knockumber (part), County 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: **Boliden Tara Mines Limited**

Knockumber House, Navan,
County Meath

Minerals: Lead, zinc and other minerals
Lands Concerned: Parts of the townlands of Whistlemount in County 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: **Boliden Tara Mines Limited**
Knockumber House, Navan,
County Meath

Minerals: Lead, zinc and other minerals
Lands Concerned: Part of the townlands of Ardbraccan and Glebe, County 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 Licensee: **Boliden Tara Mines Limited**
Knockumber House, Navan,
County Meath

Minerals: Lead, zinc and other minerals
Lands Concerned: Part of the townlands of Ardbraccan and Boyerstown, County Meath
(Licence No. 5)
Area: 87.17 hectares or thereabouts
Period: 15 January 2004 to 31 August 2010
Consideration: Once off payment of €1,050,000.00 in lieu of royalties.

Name and Address of Lessee: **Boliden Tara Mines Limited**
Knockumber House, Navan,

County Meath

Minerals: Lead, zinc and other minerals

Lands Concerned: Parts of the townlands of Whistlemount, Knockumber, Liscartan and other townlands in County 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 €44,440.83 per annum in the event of stoppage of working the minerals.

Name and Address of Lessee: **Connemara Marble Products Limited**
Moycullen,
County Galway

Minerals: Marble and all other minerals

Lands Concerned: Cregg (part), Ballinahinch, County 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 Permittee: **Dan Morrissey (Ireland) Limited**
Bennekerry,
County Carlow

Minerals: Coal and fireclay.

Lands Concerned: Rossmore (part) County Laois, Clogrenan (part) County Carlow (permission No. 63)

Area: 0.147 square kilometres or thereabouts

Period: 1 year from 1 June 2006 (expires 31 May 2007)

Consideration: Dead Rent of €1,000 per annum and Royalties into which Dead Rent will merge, at the rate of 70 cent per tonne on fireclay and 5% of sales revenue (net of VAT) in respect of all coal extracted.

Name and Address of Lessee: **Eurostone Limited**
Gouldshill, Mallow,
County Cork

Minerals: Dolomite and dolomitic limestone.

Lands Concerned: Subulter (part), Duhallow, County Cork (Lease No. 143)

Area: 0.133 square kilometres or thereabouts

Period: 4 years and 7 months from 1 June 2004 (expires 31 December 2008)

Consideration: Dead Rent of €52 per annum and Royalties into which Dead Rent will merge, at the rate of 38 cent per tonne on all dolomite and dolomitic limestone raised and gotten.

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

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

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

Area: 384 hectares

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

Consideration: Dead Rent of €1.74 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,
County Kildare

By Assignment

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

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

Area: 121.4 hectares

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

Consideration: Dead Rent of €1.74 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 Licensee: **Galmoy Mines Limited (formerly Arcon Mines Limited)**
Galmoy,
via Thurles,
County Kilkenny

Minerals: Lead, zinc and other minerals

Lands concerned: Castletown (part), Garrylaun (part), Rathreagh (part), Whiteswall (part), County 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: **Galmoy Mines Limited (formerly Arcon Mines Limited)**
Galmoy,
via Thurles,
County Kilkenny

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: The Licence provides for an annual Licence Fee of €5,000 per annum subject to indexation in line with the C.P.I. Accordingly the Annual Fee increased to €5,590 in 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 Licensee: **Galmoy Mines Limited (formerly Arcon Mines Limited)**
Galmoy,
via Thurles,
County Kilkenny

Minerals: Lead, zinc and other minerals

Lands concerned: Rathreagh (part) (Licence No. 8)

Area: 12.9 hectares or thereabouts

Period: 11 years from 21 January 2005 (expires 2 February 2016)

Consideration: Licence Fee of €15,000 per annum for each year until the working of the minerals has permanently ceased. In February 2007 the Licence Fee shall be increased or decreased by the same proportion as the CPI has increased or decreased between February 2001 and February 2007. 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:

1.25% of revenue per annum until 30 June 2006. 1.75% of revenue per annum thereafter until the minerals are worked out.

Name and Address of Licensee: **Galmoy Mines Limited (formerly Arcon Mines Limited)**
Galmoy,
via Thurles,
County Kilkenny

Minerals: Lead, zinc and other minerals

Lands concerned: Castletown (part) (Licence No. 10)

Area: 109 hectares or thereabouts

Period: 11 years from 28 February 2005 (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 2007 the Licence Fee shall be increased or decreased by the same proportion as the CPI has increased or decreased between February 2001 and February 2007. 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:

1.25% of revenue per annum until 30 June 2006. 1.75% of revenue per annum thereafter until the minerals are worked out.

Name and Address of Licensee: **Galmoy Mines Limited (formerly Arcon Mines Limited)**
Galmoy,
via Thurles,
County Kilkenny

Minerals: Lead, zinc and other minerals

Lands concerned: Rathreagh (part) (Licence No. 9)

Area: 33.0 hectares or thereabouts

Period: 10.5 years from 25 August 2005 (expires 2 February 2016)

Consideration: Licence Fee of €15,000.00 per annum for each year until the working of the minerals has permanently ceased. In February 2007 the Licence Fee shall be increased or decreased by the same proportion as the CPI has increased or decreased between February 2001 and February 2007. 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:

1.25% of revenue per annum until 30 June 2006. 1.75% of revenue per annum thereafter until the minerals are worked out.

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 rate:

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

On 1 December 2005, the Dead Rent and royalties were increased by 12.5% to €33,060.46 per annum and €0.7136 per tonne in line with the C.P.I.. Every four years thereafter, the Dead Rent and royalties shall be altered in line with the C.P.I. to take account of changes in monetary values and price levels.

Name and Address of Lessee: **Joyce's Marble Quarries Limited**
Lissoughter, Recess, Connemara,
County Galway

By Assignment

Minerals: Marble and all other minerals

Lands Concerned: Barnanoraun (part), County 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, Connemara,
County Galway
By Assignment

Minerals: Marble and all other minerals
Lands Concerned: Tievebreen (part), County 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 Licensee: **Ormonde Brick Limited**
Castlecomer,
County Kilkenny

Minerals: Coal and fireclay
Lands Concerned: Gorteen (part), County Kilkenny (Licence No. 134)
Area: 13.25 hectares
Period: 25 years from 01 June 2004 (expires 31 May 2029)
Consideration: Dead Rent of €1,000 per annum and royalty, into which Dead Rent will merge at the following rates:
€0.45 per tonne on fireclay raised; 2½% of sales revenue (net of VAT) on coal.

Name and Address of Lessee: **Ormonde Brick Limited**
Castlecomer,
County Kilkenny

Minerals: Coal and fireclay
Lands Concerned: Coolbawn (part), County 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,
County Dublin

By Assignment

Minerals: Dolomite, dolomitic limestone and all other minerals

Lands Concerned: Dunbell Big (part), County 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.

PART 2

Minerals Prospecting Licences granted under the Acts and current during the period 1 January to 30 June 2006

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 EMD'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".

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.

ANGLO AMERICAN LISHEEN MINING LIMITED

THE LISHEEN MINE
KILLORAN, MOYNE, THURLES,
COUNTY TIPPERARY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1652	BALLYCOLLA (BY ASSIGNMENT)	LAOIS	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	
3688	GLEBE	LAOIS	BASE METALS, BARYTES & SILVER	09/01/1997	

ASARCO EXPLORATION INC.
 C/O CSA GROUP
 UNIT 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	12/05/2006
600	RATHANGAN (PART)	KILDARE	BASE METALS, SILVER & BARYTES	04/09/2000	
1640	EMO PARK	LAOIS	BASE METALS, SILVER & BARYTES	31/10/2000	
3853	PORTNAHINCH	LAOIS	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	12/05/2006
468	FARRAN	TIPPERARY/ LIMERICK	BASE METALS, SILVER & BARYTES	29/07/2002	
2654	MONANOUR	TIPPERARY	BASE METALS, SILVER & BARYTES	29/07/2002	

ASARCO EXPLORATION INC. (Continued)

C/O CSA GROUP
UNIT 7 DUNDRUM BUSINESS PARK
WINDY ARBOUR
DUBLIN 14

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3552	BALLINGLANNA	TIPPERARY	BASE METALS, SILVER & BARYTES	29/07/2002	
1624	CLONYHURK	OFFALY	BASE METALS, BARYTES, IRON & SILVER	24/02/2003	
3920	WALSHISLAN	OFFALY	BASE METALS, BARYTES, IRON & SILVER	24/02/2003	

AURUM MINERAL RESOURCES LIMITED

AURUM HOUSE
40 / 41 WATERGATE STREET
NAVAN
COUNTY MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
350	DONOHILL LANDS	TIPPERARY	BASE METALS BARYTES SILVER & GOLD	27/05/2004	
449	GRANGE	LIMERICK	GOLD	27/05/2004	
450	KILDROMIN	LIMERICK	GOLD	27/05/2004	
2295	LEE	GALWAY	SILVER & GOLD	30/06/2004	
2396	OLDHEAD	MAYO	SILVER & GOLD	13/01/2003	
2638	FEDAMORE	LIMERICK	GOLD	27/05/2004	
2645	KILBRIDE	MAYO	SILVER & GOLD	30/06/2004	
2646	SHANAFARAGHAUN	GALWAY	SILVER & GOLD	30/06/2004	
2647	CANGARROW	GALWAY	SILVER & GOLD	30/06/2004	
2839	EMLY	LIMERICK / TIPPERARY	BASE METALS BARYTES SILVER & GOLD	27/05/2004	
2927	KILPEACON	LIMERICK	GOLD	27/05/2004	
3169	MAUM EAST	GALWAY	SILVER & GOLD	30/06/2004	
3170	CAHERGAL	GALWAY	SILVER & GOLD	30/06/2004	
3367	MEANUS	LIMERICK	GOLD	27/05/2004	
3422	CLOONBUR	GALWAY	SILVER & GOLD	30/06/2004	
3467	CONG SOUTH	MAYO	SILVER & GOLD	30/06/2004	
3647	CLONBRICK	LIMERICK / TIPPERARY	GOLD	27/05/2004	
3824	ROCKBARTON	LIMERICK	BASE METALS BARYTES SILVER & GOLD	27/05/2004	
3924	BALLYGODOON	LIMERICK/ TIPPERARY	BASE METALS BARYTES SILVER & GOLD	27/05/2004	

AURUM MINERAL RESOURCES LIMITED (Continued)

AURUM HOUSE
40 / 41 WATERGATE STREET
NAVAN
COUNTY MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3267	CREAN	LIMERICK	BASE METALS BARYTES SILVER & GOLD	28/06/2006	
3809	SPAIGHTSPARK	CLARE	BASE METALS BARYTES SILVER & GOLD	30/06/2006	
3810	MAGHERA	CLARE	BASE METALS BARYTES SILVER & GOLD	30/06/2006	

AURUM MINERAL RESOURCES LIMITED / ORMONDE MINING PLC

AURUM HOUSE
40 / 41 WATERGATE STREET
NAVAN
COUNTY MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1473	TINAHELY	WICKLOW	BASE METALS BARYTES SILVER & GOLD TUNGSTEN LITHIUM MOLYBDENUM & PLATINUM GROUP MINERALS	28/06/2006	
1715	BALLINGLEN	WICKLOW	BASE METALS BARYTES SILVER & GOLD TUNGSTEN LITHIUM MOLYBDENUM & PLATINUM GROUP MINERALS	28/06/2006	
1716	SHEILSTOWN	WICKLOW	BASE METALS BARYTES SILVER & GOLD TUNGSTEN LITHIUM MOLYBDENUM & PLATINUM GROUP MINERALS	28/06/2006	
3029	CRAFFIELD	WICKLOW	BASE METALS BARYTES SILVER & GOLD TUNGSTEN LITHIUM MOLYBDENUM & PLATINUM GROUP MINERALS	28/06/2006	
3030	BALLINACOR	WICKLOW	BASE METALS BARYTES SILVER & GOLD TUNGSTEN LITHIUM MOLYBDENUM & PLATINUM GROUP MINERALS	28/06/2006	

BELMORE RESOURCES PLC.

103 RATHFARNHAM WOOD
DUBLIN 14

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3642	RATHLAHEEN NORTH	CLARE	BASE METALS, BARYTES, SILVER, & GOLD	03/10/2005	
3679	BALLYHANNON NORTH	CLARE	BASE METALS, BARYTES, SILVER & GOLD	04/07/2005	

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

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1500	RATHCORE	MEATH	BASE METALS, BARYTES, SILVER, GOLD & IRON	14/12/1995	

BOLIDEN TARA MINES LIMITED

KNOCKUMBER HOUSE
KNOCKUMBER ROAD
NAVAN, COUNTY 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	
1949	KILMALLOCK	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	27/05/1987	
3249	MOUNTCOOTE	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	27/05/1987	
3366	KILFINNY	LIMERICK	BASE METALS, BARYTES & SILVER	27/04/1988	27/04/2006
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 & GOLD	02/05/1988	
3489	RATHKEALE (BY ASSIGNMENT)	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	02/05/1988	
3364	BALLINALEE OR SAINT JOHNSTOWN	LONGFORD	BASE METALS, BARYTES, GOLD & SILVER	19/05/1988	
786	ADARE (BY ASSIGNMENT)	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	01/05/1991	
1583	NEWPARK (BY ASSIGNMENT)	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	01/05/1991	

BOLIDEN TARA MINES LIMITED (Continued)

KNOCKUMBER HOUSE
KNOCKUMBER ROAD

NAVAN, COUNTY MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3373	BARFORDSTOWN	MEATH	BASE METALS, BARYTES & SILVER	01/03/1993	
1302	ENNISCOUSH	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	28/06/1994	
1584	ARDNAPREAGHAUN	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	28/06/1994	26/04/2006
1324	KILBRIDE	MEATH	BASE METALS, BARYTES & SILVER	16/11/1995	
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	
1194	BALLYSIMON	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
1196	FERNS	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	

KNOCKUMBER ROAD
NAVAN, COUNTY MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
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	TEMPLESHLIN	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
3822	ADAMSTOWN	WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	10/03/2000	
3851	NUGENTSTOWN	MEATH	BASE METALS, BARYTES & SILVER	30/04/2001	

BOLIDEN TARA MINES LIMITED (Continued)

KNOCKUMBER HOUSE
KNOCKUMBER ROAD

NAVAN, COUNTY MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
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	
3923	ATTYFLIN	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	27/05/2004	
1322	COOLRONAN	MEATH	BASE METALS, BARYTES, SILVER & GOLD	09/12/2005	
1323	MOYRATH	MEATH	BASE METALS, BARYTES, SILVER & GOLD	09/12/2005	
1325	BELLEWSTOWN	MEATH	BASE METALS, BARYTES, SILVER & GOLD	09/12/2005	
1339	BALLIVOR	MEATH	BASE METALS, BARYTES, SILVER & GOLD	09/12/2005	
3324	BALLYHEALY	WESTMEATH	BASE METALS, BARYTES, SILVER & GOLD	09/12/2005	
3346	BALLYBOY	MEATH	BASE METALS, BARYTES, SILVER & GOLD	09/12/2005	
3622	BECTIVE	MEATH	BASE METALS, BARYTES, SILVER & GOLD	09/12/2005	
3638	ARCHERSTOWN	WESTMEATH	BASE METALS, BARYTES, SILVER & GOLD	09/12/2005	

BOLIDEN TARA MINES LIMITED (Continued)
 KNOCKUMBER HOUSE
 KNOCKUMBER ROAD

NAVAN, COUNTY MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3852	MARTINSTOWN	MEATH	BASE METALS, BARYTES, SILVER & GOLD	09/12/2005	
3932	RICKARDSTOWN	WESTMEATH	BASE METALS, BARYTES, SILVER & GOLD	09/12/2005	

BOLIDEN TARA MINES LIMITED / AURUM EXPLORATION LIMITED

KNOCKUMBER HOUSE
KNOCKUMBER ROAD
NAVAN,
COUNTY MEATH

AURUM HOUSE
40 / 41 WATERGATE STREET
NAVAN,
COUNTY MEATH

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1586	DALYSTOWN	LONGFORD	BASE METALS, BARYTES, SILVER & GOLD	30/06/2004	
1675	CLOONE	LEITRIM	BASE METALS, BARYTES, SILVER & GOLD	30/06/2004	
3363	DRUMLISH	LONGFORD	BASE METALS, BARYTES, SILVER & GOLD	30/06/2004	
3628	KILTYCREEVAGH	LONGFORD	BASE METALS, BARYTES, SILVER & GOLD	30/06/2004	
3629	ANNAGH	LONGFORD	BASE METALS, BARYTES, SILVER & GOLD	30/06/2004	
3630	CORNADRUNG	LONGFORD	BASE METALS, BARYTES, SILVER & GOLD	30/06/2004	

BROWN GARY ROBERT
547 WEST 23RD STREET
NORTH VANCOUVER, BRITISH COLUMBIA
CANADA V7M 2C1

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
934	CARNA	GALWAY	BASE METALS & SILVER	22/12/2005	

52 GROSVENOR GARDENS
LONDON SW1W 0AU
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	09/05/2006
3787	MAGHERA	CLARE	BASE METALS, BARYTES & SILVER	08/06/1994	
3788	BALLYRAGGET	CLARE	BASE METALS, BARYTES & SILVER CALCITE & FLUORITE	08/06/1994 08/06/1995	
3789	DERRYMORE WEST	CLARE	BASE METALS, BARYTES & SILVER	08/06/1994	
1577	MOYCARKY	TIPPERARY	BASE METALS, BARYTES, SILVER & CALCITE	28/02/1996	19/04/2006
1578	GARRAUN	TIPPERARY	BASE METALS, BARYTES, SILVER & CALCITE	28/02/1996	19/04/2006
3321	BORRIS	TIPPERARY	BASE METALS, BARYTES, SILVER & CALCITE	28/02/1996	19/04/2006
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

BLOCK 4B, UNIT 5

BLANCHARDSTOWN CORPORATE BUSINESS PARK

DUBLIN 15

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

CONNEMARA MINING CO. LIMITED

162 CLONTARF ROAD

DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
449	GRANGE	LIMERICK	BASE METALS, BARYTES, SILVER	31/01/2005	
450	KILDROMIN	LIMERICK	BASE METALS, BARYTES, SILVER	31/01/2005	
1051	MOUNTNUGENT	CAVAN	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	28/01/2005	
1053	OLDCASTLE	MEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	28/01/2005	
1303	ARDDRINE	LIMERICK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	13/04/2005	
1940	LYRAGH	CORK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	13/04/2005	
1942	CLONCAGH	LIMERICK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	13/04/2005	
1943	AHAVEHEEN	LIMERICK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	13/04/2005	
1946	CAPPANIHANE	LIMERICK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	13/04/2005	

CONNEMARA MINING CO. LIMITED (Continued)

162 CLONTARF ROAD

DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1947	GARRYFINE	LIMERICK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	13/04/2005	
1991	ROSS	MEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	28/01/2005	
2029	CASTLEMAINE	KERRY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	31/01/2005	
2531	WONDERHILL	LIMERICK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	28/04/2006	
2594	AHAWILK	LIMERICK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	13/04/2005	
2638	FEDAMORE	LIMERICK	BASE METALS, BARYTES, SILVER & PLATINUM GROUP MINERALS	31/01/2005	
2845	REENS EAST	LIMERICK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	13/04/2005	
2927	KILPEACON	LIMERICK	BASE METALS, BARYTES, SILVER & PLATINUM GROUP MINERALS	31/01/2005	
3367	MEANUS	LIMERICK	BASE METALS, BARYTES, SILVER & PLATINUM GROUP MINERALS	31/01/2005	

CONNEMARA MINING CO. LIMITED (Continued)
162 CLONTARF ROAD
DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3650	ARRANAGH	LIMERICK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	13/04/2005	
3651	BALLYDONNELL	LIMERICK	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	13/04/2005	
3777	PUNCHESTOWN LITTLE	KILDARE	BASE METALS, BARYTES, SILVER & GOLD	17/04/2006	
3925	BOOLIES	MEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	28/01/2005	
3926	LOUGHCREW	MEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	28/01/2005	

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. (Continued)
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. (Continued)
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	

DAN MORRISSEY (IRELAND) LIMITED,
BENNEKERRY HOUSE
COUNTY CARLOW

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3891	ROSSMORE (PART)	LAOIS	COAL & FIRECLAY	27/09/1999	
3931	ROSSMORE	CARLOW/ LAOIS	COAL & FIRECLAY	27/04/2005	

FRACTORE PTY. LIMITED

11 FRENCH STREET
CAMBERWELL
VICTORIA 3124
AUSTRALIA

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

GANNON JOHN

FORTH BROWN,
LAVALLY,
TUAM,
COUNTY GALWAY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1362	PATCH	GALWAY	BASE METALS, BARYTES, SILVER & GOLD	07/08/2004	

GLENCAR MINING PLC.
71 LOWER BAGGOT 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	

JADEBAY LIMITED
9 MARINE VIEW
PHOENIX TERRACE
BLACKROCK
COUNTY DUBLIN

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	

KELLYS OF FANTANE

FANTANE,
BORRISOLEIGH,
THURLES,
COUNTY TIPPERARY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3246	INCHIOURKE	TIPPERARY	DOLOMITE & DOLOMITIC LIMESTONE	28/02/2006	

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	

LUNDIN MINING EXPLORATION LIMITED

CASTLETOWN, GALMOY,
CROSSPATRICK (VIA THURLES),
COUNTY KILKENNY

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	
2859	KYLE	OFFALY BARYTES,	BASE METALS, & SILVER	17/08/1981	
2840	KNOCKDERK	LIMERICK/ TIPPERARY	BASE METALS, SILVER, BARYTES & GOLD	19/12/1986	
582	TIRLICKEN	LONGFORD	BASE METALS, SILVER & BARYTES	19/06/1991	
480	STRADUFF	OFFALY	BASE METALS, SILVER & BARYTES	22/09/1994	
481	FARRANMACSHANE	OFFALY	BASE METALS, SILVER & BARYTES	22/09/1994	

LUNDIN MINING EXPLORATION LIMITED (Continued)
CASTLETOWN, GALMOY,
CROSSPATRICK (VIA THURLES),
COUNTY KILKENNY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
186	CARRICKBOY	LONGFORD	BASE METALS, BARYTES & SILVER	31/05/2005	
185	AGHNACRANAGH	LONGFORD	BASE METALS, BARYTES, SILVER & GOLD	17/04/2006	
2579	CURRAHCHASE	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	17/04/2006	
2696	CARRIGOGUNNEL	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	28/02/2006	
2835	KILDIMO	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	28/02/2006	
3544	SHANAGOLDEN	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	17/04/2006	
3608	ASKEATON	LIMERICK	BASE METALS, BARYTES, SILVER & GOLD	17/04/2006	
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	FORTELL (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	
3569	MONANEARLA	TIPPERARY	BASE METALS, BARYTES & SILVER	13/10/1988	

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	
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	
626	LACKA	TIPPERARY	BASE METALS, BARYTES & SILVER	06/06/1994	22/05/2006

MINCO IRELAND LIMITED (Continued)

162 CLONTARF ROAD
DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
627	KNOCKSHIGOWNA	TIPPERARY	BASE METALS, BARYTES & SILVER	06/06/1994	22/05/2006
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	
2239	JOHNSTOWN UPPER	WICKLOW	BASE METALS, BARYTES, GOLD & SILVER	28/07/2003	
3857	SLIEVEFOORE	WICKLOW/ WEXFORD	BASE METALS, BARYTES, GOLD & SILVER	28/07/2003	
2551	BALLYDARRAGH	WEXFORD	GOLD	01/03/1994	28/02/2006
3431	LISNAGRY	LIMERICK	BASE METALS, BARYTES, SILVER & PLATINUM GROUP MINERALS	30/05/2005	
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	
3342	COOGA LOWER	LIMERICK	BASE METALS, BARYTES & SILVER	25/05/1999	

MINCO IRELAND LIMITED (Continued)

162 CLONTARF ROAD
DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3344	BRITTAS	LIMERICK	BASE METALS, BARYTES & SILVER	25/05/1999	
3908	INCHMORE	LIMERICK	BASE METALS, BARYTES & SILVER	17/07/2001	
505	CLONYEGAN	WESTMEATH	BASE METALS, BARYTES & SILVER	22/06/1985	

MINCO PLC–WESTLAND EXPLORATION LIMITED

162 CLONTARF ROAD
DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3722	ATHLONE	WESTMEATH	BASE METALS, BARYTES SILVER, GEM MINERALS & GOLD	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
3220	LOUGHSHINNY (BY ASSIGNMENT)	DUBLIN	BASE METALS, BARYTES, SILVER & GOLD	18/09/1996	

ORIEL SELECTION TRUST LIMITED
CASTLECOMER
COUNTY KILKENNY

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1022	FALLEIGHTER	MAYO	BASE METALS, BARYTES, SILVER & GOLD	27/04/2005	
3774	RINN	MAYO	BASE METALS, BARYTES, SILVER & GOLD	27/04/2005	
3887	CASHEL	MAYO	BASE METALS, BARYTES, SILVER & GOLD	27/04/2005	
3929	GLENTAVRAUN	MAYO	BASE METALS, BARYTES, SILVER & GOLD	27/04/2005	
3930	KILMOVEE	MAYO	BASE METALS, BARYTES, SILVER & GOLD	27/04/2005	

ORMONDE BRICK LIMITED
CASTLECOMER

COUNTY KILKENNY

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

OVOCA GOLD PLC.

YORK HOUSE
REAR 176 RATHGAR ROAD
DUBLIN 6

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	

RENNICKS AND BENNETT LIMITED

C/O TARA MINES LTD.
KNOCKUMBER
NAVAN
COUNTY MEATH

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

TECK COMINCO LIMITED

600-200 BURRARD STREET

VANCOUVER, BRITISH COLUMBIA
CANADA V6C 3L9

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
134	CARNAUN	GALWAY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	11/01/2006	
184	CROSS	LONGFORD WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	08/02/2006	
622	LEGAN	LONGFORD WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	08/02/2006	
643	CARROWROE	GALWAY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	11/01/2006	
666	EDGEWORTHSTOWN	LONGFORD	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	07/12/2005	
667	KEELOGES	LONGFORD WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	08/02/2006	
1181	CLONBORE	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	09/06/2006	
1344	RATHOWEN	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	24/11/2005	

VANCOUVER, BRITISH COLUMBIA
CANADA V6C 3L9

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1345	GRANGE	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	24/11/2005	
1346	BALLINALACK	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	24/11/2005	
1347	MULTYFARNHAM	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	24/11/2005	
1351	TAGHMON	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	24/11/2005	
1352	BALLAGH	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	24/11/2005	
1383	BOTTOMY	LONGFORD WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	08/02/2006	
1385	MOYNE	LONGFORD WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	08/02/2006	
1406	KILLUCAN	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	19/01/2006	

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CANADA V6C 3L9

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
2062	RAHIN	OFFALY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	09/06/2006	
2096	RAHALLY	GALWAY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	11/01/2006	
2097	BOOKEEN SOUTH	GALWAY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	11/01/2006	
2100	BALLYDONNELLAN EAST	GALWAY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	11/01/2006	
2760	LOUGHREA	GALWAY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	11/01/2006	
3152	RAHARENRY	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	19/01/2006	
3474	SRADUFF	ROSCOMMON	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	10/02/2006	
3476	BALLYQUICK	TIPPERARY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	19/01/2006	

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CANADA V6C 3L9

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3477	PORTLAND	TIPPERARY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	19/01/2006	
3575	RIVERSTOWN	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	09/06/2006	
3576	KINNEGAD	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	09/06/2006	
3634	CLONDALEE MORE	LONGFORD	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	07/12/2005	
3840	LECARROW	GALWAY	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	11/01/2006	
3934	ROOSKAGH	ROSCOMMON	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	10/02/2006	
3935	SIONHILL	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	19/01/2006	
3936	KILLINAGH	LONGFORD WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	08/02/2006	

VANCOUVER, BRITISH COLUMBIA
CANADA V6C 3L9

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
3937	MILLTOWN	WESTMEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	09/06/2006	
3938	TOOR	MEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	09/06/2006	
3939	MOLERICK	MEATH	BASE METALS, BARYTES, SILVER, GOLD & PLATINUM GROUP MINERALS	09/06/2006	

WESTLAND EXPLORATION LIMITED
162 CLONTARF ROAD
DUBLIN 3

AREA	TOWNLANDS	COUNTY	MINERALS	START	SURRENDERED
1440R	GIBSTOWN (BY ASSIGNMENT)	MEATH	BASE METALS, BARYTES & SILVER	23/10/1972	
1653	COOLBALLY (BY ASSIGNMENT)	LAOIS	BASE METALS, BARYTES & SILVER	22/02/1983	

PART 3

Receipts

Moneys collected by the Minister in the period from 1 January 2006 to 30 June 2006 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 €2,423,186.42.

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 €1.14.

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 (Druming and other townlands) Order, 1963 (lands near Druming, 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:

Minerals Development 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)

OTHER PUBLICATIONS & PRODUCTS AVAILABLE FROM THE EXPLORATION AND MINING DIVISION

General

- Report by the Minister for Communications, Marine and Natural Resources, for the six months ended 31st December, 2005. MP 01/06. 64pp.
- Exploration and Mining Facilities. MP 07/06. 6pp.
- Land of Mineral Opportunities. MP 05/06. 6pp.
- Environmental Safeguards - the Irish Way. MP 06/06. 4pp.
- Mine Waste Management Workshop, Dublin, 2002. Available on CD. MP 25/03
- Industry News (March 2006). MP 08/06. 6pp.
- Gold in Ireland. MP 05/04. 4pp.
- The "Top 55" Deposits. MP 07/05. 14pp.
- Airborne Data Release Initiative. MP 06/05. 4pp.
- Exploration Permit Areas and Status (Feb. 2006) on CD MP 03/06.
- Gold in Ireland (localities etc.) on CD. MP 10/04
- State Mining and Prospecting Facilities and Industry News (May 2006) MP 09/06 54pp.
- Zinc and Lead in Ireland. MP 04/06. 6pp.

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 2/04. 4pp.
- Consultants and Contractors in Ireland. Minfo 1/06. 6pp.
- Fiscal Framework. Minfo 2/06. 4pp.
- Guidelines for Regional Airborne Geophysical Surveying for Minerals. Minfo 5/02. 2pp.
- Support Agencies. Minfo 1/04. 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) over 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 magnetic survey (1998) over the Ferbane and Lough Derg (2) areas MP 20/02. 13pp.
- 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.
- Exploration data release (1970-2002) over parts of west-central Co. Meath. MP 24/03
- Billiton/Noranda airborne TEM & magnetic survey (1998) over the Moate area. MP 15/03. 10pp.
- Navan Resources airborne magnetic survey (1998) over the Tynagh area. MP 16/03. 9pp
- Tara Mines Ltd. airborne magnetic, VLF and radiometric survey (1999) over the Limerick area MP 23/03. 10pp.
- Exploration data release update (to 2002) over parts of Co. Tipperary & Co. Offaly MP 03/04.
- The Amcorp Ireland Ltd. Airborne Magnetic Survey (1999) over the North Cork Area. MP 18/04. 9pp.
- Exploration data release (1981 to 2003) over parts of Cos. Longford and Westmeath. MP 19/04
- Exploration data release (1987 to 2002) over parts of Cos. Clare, Limerick and Tipperary. MP 20/04
- Exploration data release - The 'Rathdowney Trend' Pt. 1 - North (1981 to 2002) Cos. Kildare, Kilkenny and Laois. MP 21/04
- The Ballinalack Zinc-Lead Deposit, Co. Westmeath (March 2005) MP 04/05.
- Exploration data release - The 'Rathdowney Trend' Pt. 2 - South (1986 to 1998) Cos. Tipperary, and Kilkenny. MP 05/05.
- The Cregganbaun Gold Prospect, Co. Mayo (May 2005) MP 12/05.

Copies of the above, including this publication, are available FREE from the Exploration and Mining Division, Department of Communications, Marine and Natural Resources, Beggars Bush, Haddington Road, Dublin 4.

E-mail: EMDTechnical.Info@dcmnr.ie Website: www.emd.ie

PART 7

Dáil Questions Answered by the Minister for Communications, Marine and Natural Resources in the Six Months ended 30 June 2006 in Relation to Minerals Matters

Questions (W = Written, O = Oral)	Date answered
To ask the Minister for Communications, Marine and Natural Resources:	
... if there have been oil, gas or other mineral finds indicating commercial potential in the past four years; the location or locations of same; and if he will make a statement on the matter. (W) – Bernard J. Durkan	21 February 2006
... if a prospecting licence can be applied for on-line; and if he will make a statement on the matter. (W) – Enda Kenny.	21 March 2006
... if his attention has been drawn to recent discoveries of oil, gas or other minerals arising from previous or current explorations; and if he will make a statement on the matter. (O) – Simon Coveney. (Nominated by: Bernard J. Durkan)	30 May 2005
... if he has in mind a set of procedures to develop and deliver rapidly and efficiently, oil, gas or other mineral discoveries with a view to maximisation of the benefit to the economy and the Exchequer; and if he will make a statement on the matter. (O) – Olivia Mitchell. (Nominated by: Bernard J. Durkan)	30 May 2005
... when consultants will be appointed to oversee the remediation of the Silvermines tailings pond; the reason for the delay in appointing the consultants; and if he will make a statement on the matter. (W) – Michael Lowry.	20 June 2006