

# **Minera IRL Limited**



## **ANNUAL INFORMATION FORM**

**For the 12 months ended 31 December 2009**

**28 April 2010**

## TABLE OF CONTENTS

|     | <b>Page</b>  |
|-----|--|
| 1   | CORPORATE STRUCTURE ..... 2  |
| 2   | GENERAL DEVELOPMENT OF THE BUSINESS..... 4                             |
| 3   | DESCRIPTION OF BUSINESS..... 5   |
| 4   | PROJECTS ..... 6   |
| 4.1 | Corihuarmi..... 6  |
| 4.2 | Ollachea..... 24   |
| 4.3 | Don Nicolàs ..... 57   |
| 4.4 | Other Projects ..... 77  |
| 5   | RISK FACTORS..... 79   |
| 6   | DIVIDENDS ..... 85   |
| 7   | DESCRIPTION OF CAPITAL STRUCTURE ..... 85                              |
| 8   | MARKET FOR SECURITIES..... 85  |
| 9   | ESCROWED SECURITIES ..... 87   |
| 10  | DIRECTORS AND OFFICERS..... 87   |
| 11  | CEASE TRADE ORDERS, BANKRUPTCIES, PENALTIES AND SANCTIONS..... 93      |
| 12  | LEGAL PROCEEDINGS ..... 94   |
| 13  | INTEREST OF MANAGEMENT AND OTHERS IN MATERIAL<br>TRANSACTIONS ..... 94 |
| 14  | TRANSFER AGENTS AND REGISTRARS..... 94                                 |
| 15  | MATERIAL CONTRACTS..... 95   |
| 16  | INTERESTS OF EXPERTS..... 97   |
| 17  | AUDITORS..... 98   |
| 18  | ADDITIONAL INFORMATION ..... 98  |
|     | APPENDIX 1 - AUDIT COMMITTEE CHARTER ..... A-1                         |

## GENERAL

All reference in this Annual Information Form (“AIF”) to the Company (or Minera IRL) also includes references to all subsidiaries of the Company as applicable, unless the context requires otherwise.

## CAUTIONARY STATEMENT REGARDING FORWARD LOOKING INFORMATION

Certain of the information contained in this AIF and documents incorporated herein by reference constitutes “forward-looking statements” within the meaning of applicable Canadian securities legislation. Such forward-looking statements and information include statements regarding: the future price of gold; targets for gold production; the estimation of mineral resources and reserves; cash operating costs and certain significant expenses; success of exploration activities; the timing and scope of future commencement of mining or production; anticipated grades and recovery rates; asset retirement obligation estimates; the ability to secure financing; title disputes or claims; and potential acquisitions or increases in property interests. Often, but not always, forward-looking statements or information can be identified by the use of words such as “plans”, “expects” or “does not expect”, “is expected”, “budget”, “scheduled”, “estimates”, “forecasts”, “intends”, “anticipates” or “does not anticipate” or “believes” or variations (including grammatical variations) of such words and phrases or statements that certain actions, events or results “may”, “could”, “would”, “might” or “will” be taken, occur or be achieved.

Forward-looking statements and information by their nature are based on assumptions and involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements or information. These risks, uncertainties or other factors include, but are not limited to, inherent speculative nature and hazards associated with exploration and development activities; uncertainties related to fluctuation in gold and silver prices; uncertainties related to actual capital costs, operating costs and expenditures, production schedules and economic returns; risks that the Company’s title to its properties could be challenged; risks related to environmental regulations; risks related to legal proceedings; risks related to increased competition; the uncertainties related to surface rights in the countries in which the Company’s material mineral projects are located; uncertainties related to the Company’s resource and reserve estimates, which are based on detailed estimates and assumptions; assumptions regarding the need for financing and uncertainties related to the availability of such financing; uncertainties in government policies and regulations; and risks that the Company’s directors and officers may have conflicts of interest.

Although the Company has attempted to identify factors that would cause actual actions, events or results to differ materially from those disclosed in the forward-looking statements or

information, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Also, many of the factors are beyond the control of the Company. Accordingly, readers should not place undue reliance on forward-looking statements or information. All forward-looking statements and information herein are qualified by this cautionary statement.

## 1 CORPORATE STRUCTURE

### **Name, Address and Incorporation**

Minera IRL Limited (“Minera IRL”, or the “Company”) was incorporated in the Cayman Islands on 27 August 2003 as “Goldmin Holdings” under the Cayman Islands Companies Law (2003 Revision) as an exempted company.

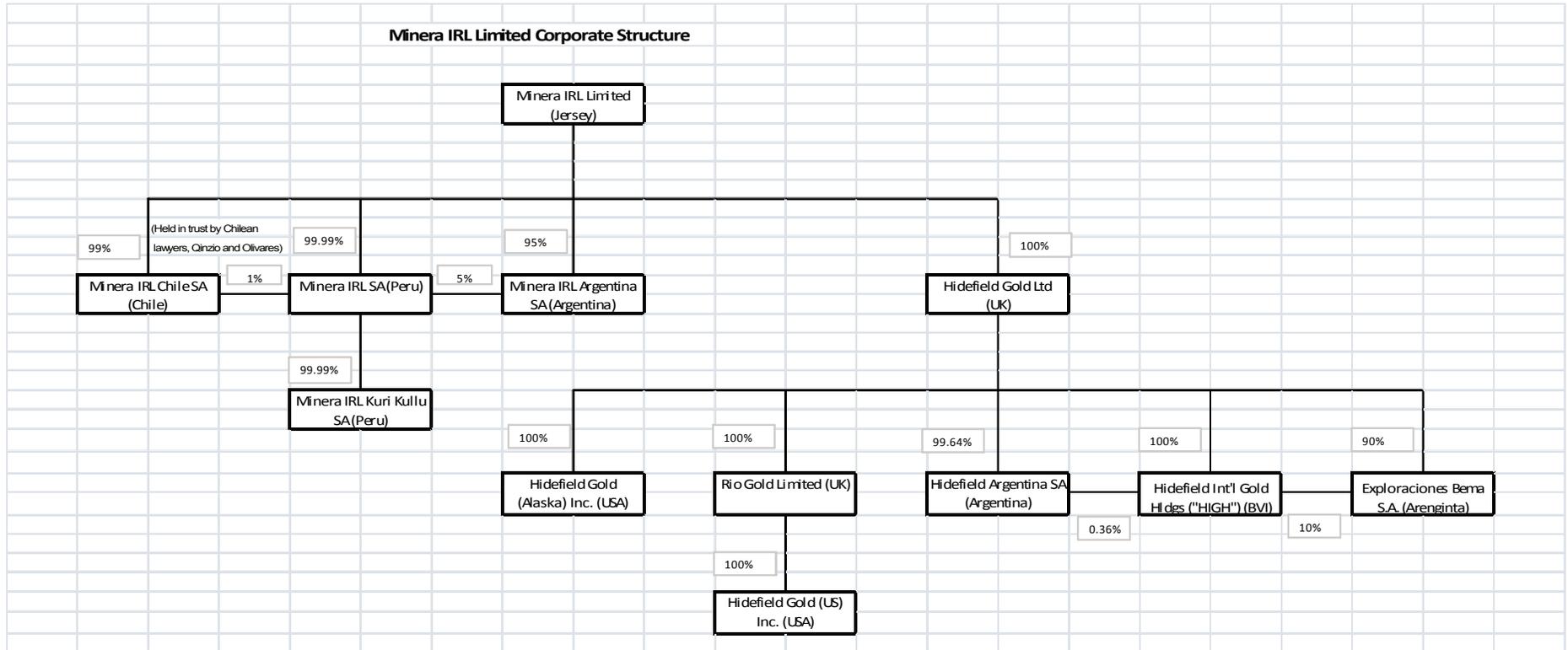
On 20 October 2006, the Company applied pursuant to the Jersey Companies Law to the Jersey Registrar of Companies (the “Jersey Registrar”) for continuance as a company incorporated under the Jersey Companies Law. On 25 October 2006, the Company applied, pursuant to the Cayman Islands Companies Law (2004 Revision), to the Cayman Islands Registrar of Companies (the “Cayman Registrar”) to be de-registered as a Cayman Islands exempted company and to be registered by way of continuation as a company incorporated under the laws of Jersey. On 25 October 2006, the Cayman Registrar issued a certificate that the Company had been de-registered as an exempted company, as a result the Company ceased to be a “company” for all purposes under the Cayman Islands Companies Law (2004 Revision). On 25 October 2006, the Jersey Registrar issued a certificate of continuance as a result of which the Company became a public company incorporated under the Jersey Companies Law, under the name “Minera IRL Limited” registration number 94923.

The Company’s registered office is located at Ordnance House, 31 Pier Road, St. Helier, Jersey, JE4 8PW. The Company’s corporate head office is located at Av Jose Pardo 601 - Of. 904, Miraflores, Lima 18, Peru.

The Company is a “designated foreign issuer” as such term is defined in National Instrument 71-102 – *Continuous Disclosure and Other Exemptions Relating to Foreign Issuers* and is subject to the foreign regulatory requirements of the AIM market of the London Stock Exchange plc (“AIM”).



**Minera IRL Limited Corporate Structure**



## 2 GENERAL DEVELOPMENT OF THE BUSINESS

For approximately 10 years, commencing in 1997, a Melbourne, Australia based financial and technical advisory firm known as Investor Resources Limited (“IRL”) provided high level consulting services to the mineral and oil resource industry. In October 2000, IRL began investigating building a portfolio of advanced gold properties in Peru that could form the basis for building a Latin American gold mining company.

As a continuation of the concept, an office was established in Lima in mid-2002 and a Peruvian company named Minera IRL SA was registered in (August) 2002. In October, an option was obtained to acquire 100% of the Corihuarmi tenements which, in 2008, became the group’s first gold mine.

In 2003, the assets were moved into Goldmin Holdings, a Cayman company. In October 2006, the Company transferred its registered office from the Cayman Islands to Jersey, deregistered in the Cayman Islands, became a company incorporated under the laws of Jersey and changed its name to Minera IRL Limited.

Private equity funding was secured in 2003 and Minera IRL was supported by private equity until 2007. During this period, a number of projects were assessed. Corihuarmi was progressively advanced through the exploration, pre-feasibility, feasibility and environmental impact studies culminating in permitting approvals being granted by the Peruvian authorities in early 2007.

With a project ready to be developed, Minera IRL was listed on AIM in April 2007 and, in the process, raised £11.4 million from the issue of approximately 25.3 million ordinary shares of the Company (the “Ordinary Shares”, each an “Ordinary Share”). The Company was subsequently dual listed on the Lima Ventures Exchange in December 2007; admission was granted to the main board of the Lima Stock Exchange in June 2008.

The funds raised in London were applied to the construction of the Corihuarmi Gold Mine, which commenced in June 2007 and the first gold was poured in March 2008 heralding the commencement of strong cash flows and a move into the ranks of a production company.

An option agreement to acquire 100% of the Ollachea Project in southern Peru was obtained from Rio Tinto Mining and Exploration Limited (“Rio Tinto”) in 2006. Following protracted negotiations with the local community, a comprehensive Surface Rights Agreement was signed in November 2007 and exploration commenced in early 2008 with drilling beginning in October 2008. A significant discovery was announced in early 2009 and a positive scoping study was completed in November 2009; at that point the project moved into pre-feasibility status.

In July 2009, the Company completed a placement of 13.6 million Ordinary Shares to raise £9.1 million. The principal use of the proceeds were to advance the Ollachea Project, to continue the Company’s exploration program and for general working capital.

Minera IRL mounted a take-over bid, via a Scheme of Arrangement, of AIM listed Hidefield Gold Plc (“Hidefield”) during 2009. This acquisition was completed in December 2009 at which time the Hidefield group of companies became wholly owned subsidiaries of Minera IRL. The acquisition was an all share transaction which resulted in the issue of approximately 9.8 million Ordinary Shares to shareholders of Hidefield Gold Plc. The principal asset was a large tenement holding in Santa Cruz Province, Argentina, which included the Don Nicolás Project. A scoping study had been completed over this project by Hidefield and, in early 2010, Minera IRL commenced a full feasibility study.

### **3 DESCRIPTION OF BUSINESS**

The Company is a fully integrated Latin America, publicly listed gold mining company based in Lima, Peru. The Corihuarmi Gold Mine located in the high Andes, produces approximately 30,000 ounces of gold per annum at a cash operating cost of between US\$350 and US\$400 per ounce. Corihuarmi provides the cash flow to run the business plan.

There are two pre-development projects in the portfolio, namely the Ollachea Project in Peru and the Don Nicolás Project in Patagonia. Both projects are being aggressively advanced through the stages required to demonstrate a viable mining operation and followed by the subsequent development.

Minera IRL also carries out exploration in an attempt to discover new, high quality projects. Currently the Company has active exploration projects in Peru, Argentina and Chile. Targets are expected to have a minimum of 500,000 ounces of gold, preferably larger.

The Company maintains a very active community management program, an extremely important aspect of a successful mining company in Peru. The Company’s community policy places priority on building relationships with local stakeholders through well-developed programs of community involvement, benefits and long term sustainability.

The Minera IRL head office is located in Lima, Peru housing the executive team and support services. As at 31 December 2009, the Company had 248 employees, this excludes people on full time contracted services.

The Company’s business requires specialized skills and knowledge in the areas of geology, drilling, planning, implementation of exploration programs, project development and operating of mines. To date, the Company has been able to locate and retain such professionals in Peru and Argentina, and believes it will be able to continue to do so.

The Company operates in a very competitive industry and competes with other companies, many of which have greater technical and financial facilities for the acquisition and development of mineral properties, as well as for the recruitment and retention of qualified employees. However, the Company also believes that it has greater technical and financial skills than many of its competitors.

## 4 PROJECTS

### 4.1 Corihuarmi

The following summary is taken from the technical report entitled “Corihuarmi Gold Project, Technical Report” (the “Corihuarmi Report”) dated 6 April 2010. This summary is not complete and the full Corihuarmi Report can be accessed on the Company’s SEDAR profile at [www.sedar.com](http://www.sedar.com).

#### **Project Description, Logistics, Infrastructure and Climate**

The Corihuarmi Gold Mine is located in the high Andes of central Peru, approximately 160km southeast of the capital city of Lima (-75.57 longitude and -12.57° latitude). Access to the project is via 330km on the sealed main highway east from Lima, over the Andean divide to Yauli, then southeast to the city of Huancayo, the regional capital of Junin Department. From Huancayo, access is gained via the Andean plateau by travelling southwest on formed gravel roads for a further 115km through the villages of Chupuro and Vista Alegre to the mine.

The Corihuarmi Project lies at elevations between 4,500m and 5,050m above sea level, straddling the main Andean divide. Despite the elevation, the topography is relatively subdued, comprising a series of hills and ranges that rise approximately 500m above an undulating alpine plateau.

**Figure 1**  
**Location Plan of Corihuarmi Gold Mine**



The Corihuarmi Project experiences a high mountain dry tundra climatic regime. Precipitation is markedly seasonal and total annual precipitation averages 730mm. The vegetation is solely comprised of alpine tussock grassland across the plateau, with the adjacent hills and ridges essentially barren of vegetation, particularly in areas of argillic alteration. Agricultural activities are confined to extensive livestock grazing, principally sheep, cattle and camelids (alpaca and llama).

A camp to accommodate approximately 140 employees has been constructed to the east of the plant facilities. Additional accommodation of approximately the same size is available from the construction camp. Existing buildings include the offices, warehouse, messing facilities, a soccer field and other buildings. Power is provided by a 44km power line, constructed by Minera IRL as part of the development, from the national grid. Water is abundantly available from a large lake. The principal mining related infrastructure comprise the waste dump, haul roads, mining contractor workshop and related infrastructure, fuel farm and explosives storage facility.

### **History and Tenure**

Minera IRL SA acquired the project from Minera Andina de Exploraciones (Minandex) in 2002. Between 2003 and 2005, the company completed a programme, primarily concentrating on the Susan and Diana zones, comprising geological mapping, extensive horizontal and vertical chip-

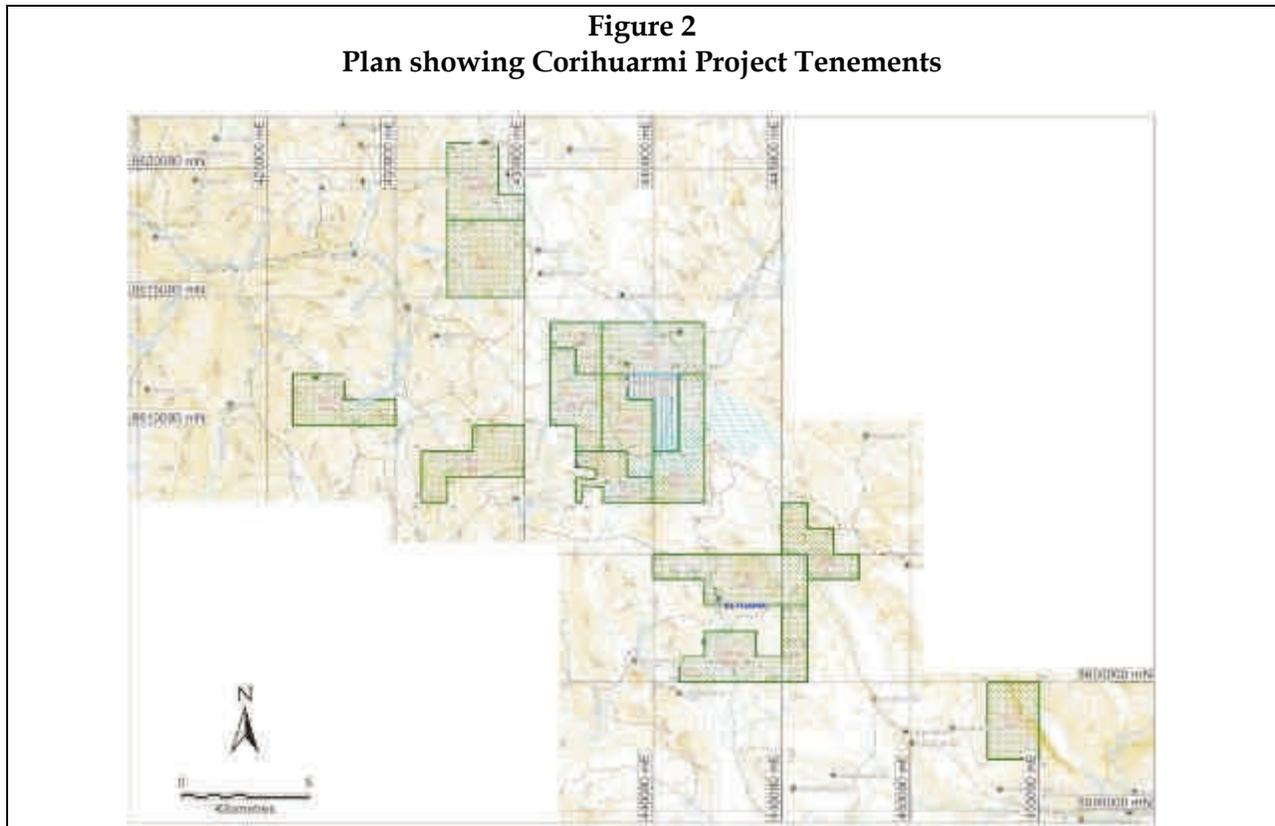
channel sampling, three phases of diamond core drilling (53 holes; 3,551.95m), metallurgical testwork, geotechnical studies, internal and independent resource estimates and an internal pre-feasibility study. An external bankable feasibility study was subsequently commissioned and completed by Kappes Cassiday and Associates (KCA) in April 2006.

Minera IRL also completed investigations into the potential for additional low grade mineralization comprising a veneer of scree on the slopes directly beneath the Diana and Susan deposits. The mineralization was delineated in 2 programs of reverse circulation (“RC”) drilling and an inferred resource estimated. It is planned that this will be treated on the heap leach pads.

The Corihuarmi property consists of 14 concessions totalling 9,315.83ha. These consist of 6 mining concessions totalling approximately 3,418.65ha and 8 exploration concessions or petitorios (application stage for mining concession), totalling 5,897.18ha.

The mining concessions are in good standing. No litigation or legal issues related to the project are pending.

**Figure 2**  
**Plan showing Corihuarmi Project Tenements**



The 14 mining and exploration concessions that comprise the property are held 100% by Minera IRL. In October, 2005 the Company fulfilled the terms of an option agreement with Minera Andina Exploraciones to acquire 100% interest in the Tupe 2, 3 and 4 mining concessions. The

terms of the agreement called for Minera IRL to make a series of quarterly cash payments (totalling US\$903,309) over a three year period which Minera IRL completed in 2007. Minera Andina retains a sliding scale net smelter royalty based on the price of gold as follows:

- Gold price less than US\$300/oz, a sales royalty of 1.5%;
- Gold price from US\$300/oz to US\$350/oz, a sales royalty rate of 2.0%; or
- Gold price over US\$350/oz, a sales royalty rate of 3.0%.

The Corihuarmi Gold Mine is subject to the permitting and environmental laws of Peru. This includes an approved mine closure plan. There are no other environmental liabilities at the date hereof.

Minera IRL has in place a mining exploitation contract with the community of Atcas for a surface area of 1,900 hectares and an expiration date of 2014, which attracts an annual payment of US\$15,000. This is renewable for a further 5 years.

There is also a surface rights agreement in place with the community of Huantan for a total area of 1,400 hectares and an expiry date of 2014. The annual payment is US\$32,730. In addition, sustainable development projects in the two communities total US\$50,000 per year.

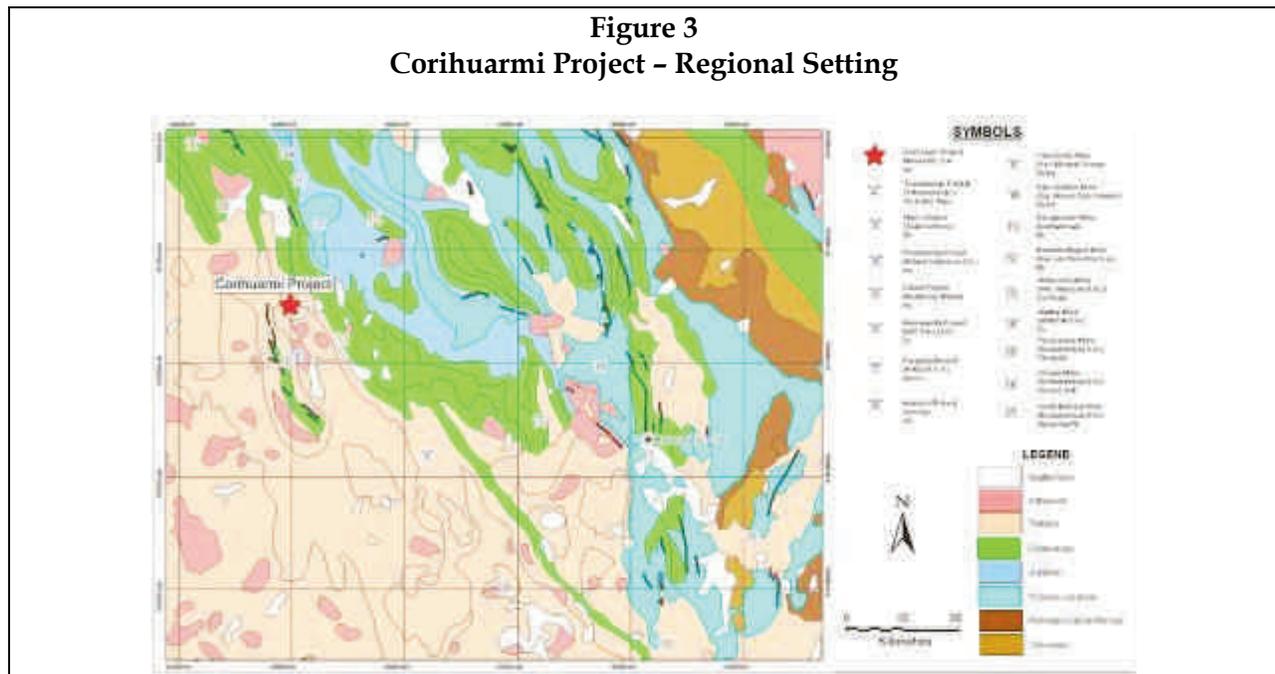
If the surface rights agreements expire, their extension can be renegotiated.

### **Geological Setting and Mineralization**

The Corihuarmi Project is situated within the Andean Cordillera, which lies between the Peru-Chile oceanic trench to the west and the Brazilian Craton to the east. The Andes Range formed as a result of the convergence between the oceanic Nazca Plate (of the Pacific Basin) and the South American continent. The denser lower portion of the Nazca Plate was subducted beneath the South American continent along the Peru-Chile Trench, resulting in crustal melting and magmatic (volcanic) activity, while the lighter marine sediments of the upper Nazca Plate were obducted onto the continental landmass, resulting in collision and compression.

The Andean Cordillera consists of two parallel ranges, with the younger Western Cordillera corresponding to a Cenozoic magmatic arc, while the Eastern Cordillera represents a zone of progressive uplift since Permian times. The intervening zone is occupied by the Altiplano, a high plateau of relatively subdued relief where inter-montaine basins were developed during the Cenozoic period. The Western Cordillera and Altiplano host the majority of Peru's economically significant precious and base metal deposits, occurring in a series of metallogenically distinct belts or domains as shown in Figure 3.

**Figure 3**  
**Corihuarmi Project - Regional Setting**



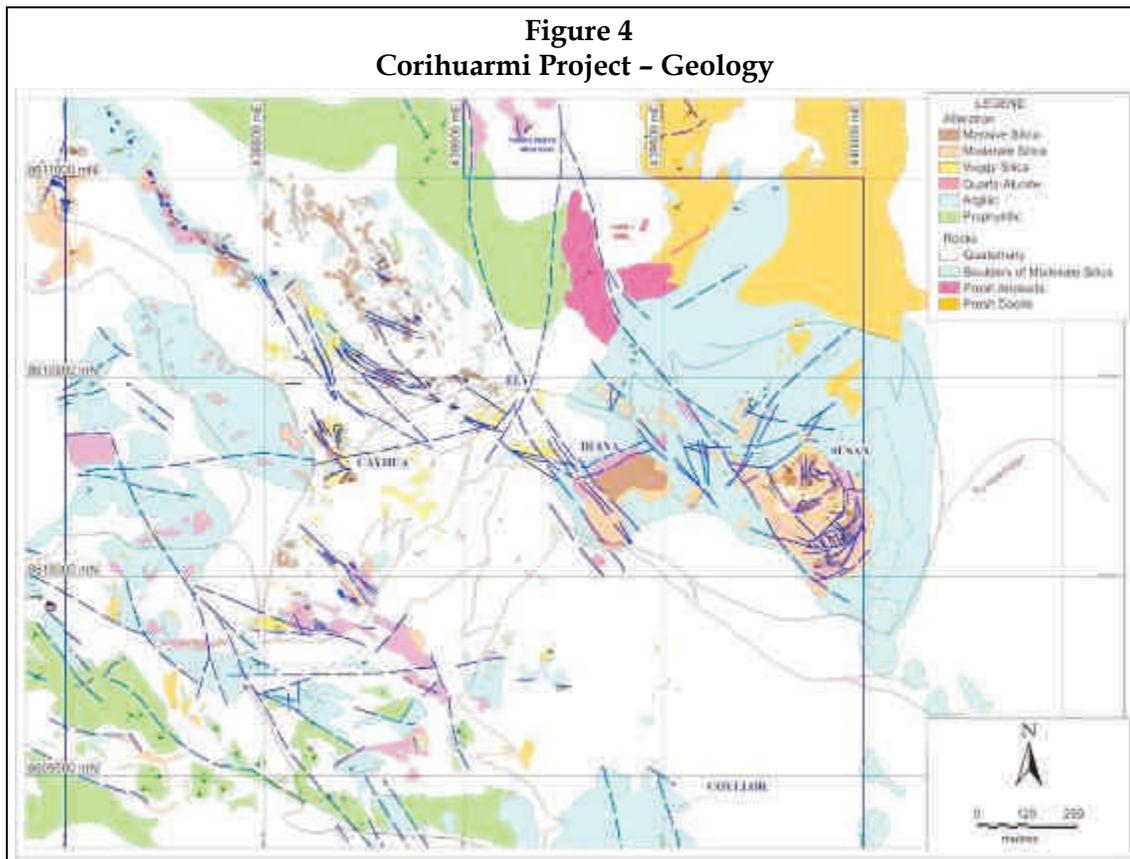
The Corihuarmi property is located at the northern extremity of the Southern Peru Epithermal Au-Ag Belt, associated with middle to upper Tertiary volcanics and intrusives of the Western Cordillera. These are separated from deformed Mesozoic sediments of the Altiplano immediately east of the project area by a major northwest trending thrust.

The geological understanding of the Corihuarmi Project is essentially confined to the central group of tenements, referred to as the Main Block, which host all known resources and reserves, and the majority of significant prospects.

The geology of the Main Block is dominated by a significant volcanic centre of Miocene to Pliocene age, comprising a series of dacite and rhyodacite domes of the Caudalosa Formation and broadly coeval volcanics of the overlying Astobamba Formation (Figure 4). The dacite domes broadly define the margins of a collapsed caldera structure, measuring some 4.5km by 3.5km and elongate in a north-northwest orientation. The overlying volcanics variously comprise dacitic and andesitic flows, ignimbrites and pyroclastic tuffs that conform to the dome margins.

The general structural orientation within the Corihuarmi area is consistent with the northwest Andean trend, mimicked by fold axes within Mesozoic sediments to the east, the major thrust separating these sediments from the younger volcanics, and the general orientation of the alteration system and associated caldera structure within the volcanics themselves. A series of east-west and northeast trending tensional structures appear to provide the focus for breccia development, alteration and mineralization within the vicinity of dacite domes. These high angle faults are variously characterised by either normal vertical or dextral horizontal displacements.

**Figure 4**  
**Corihuarmi Project - Geology**

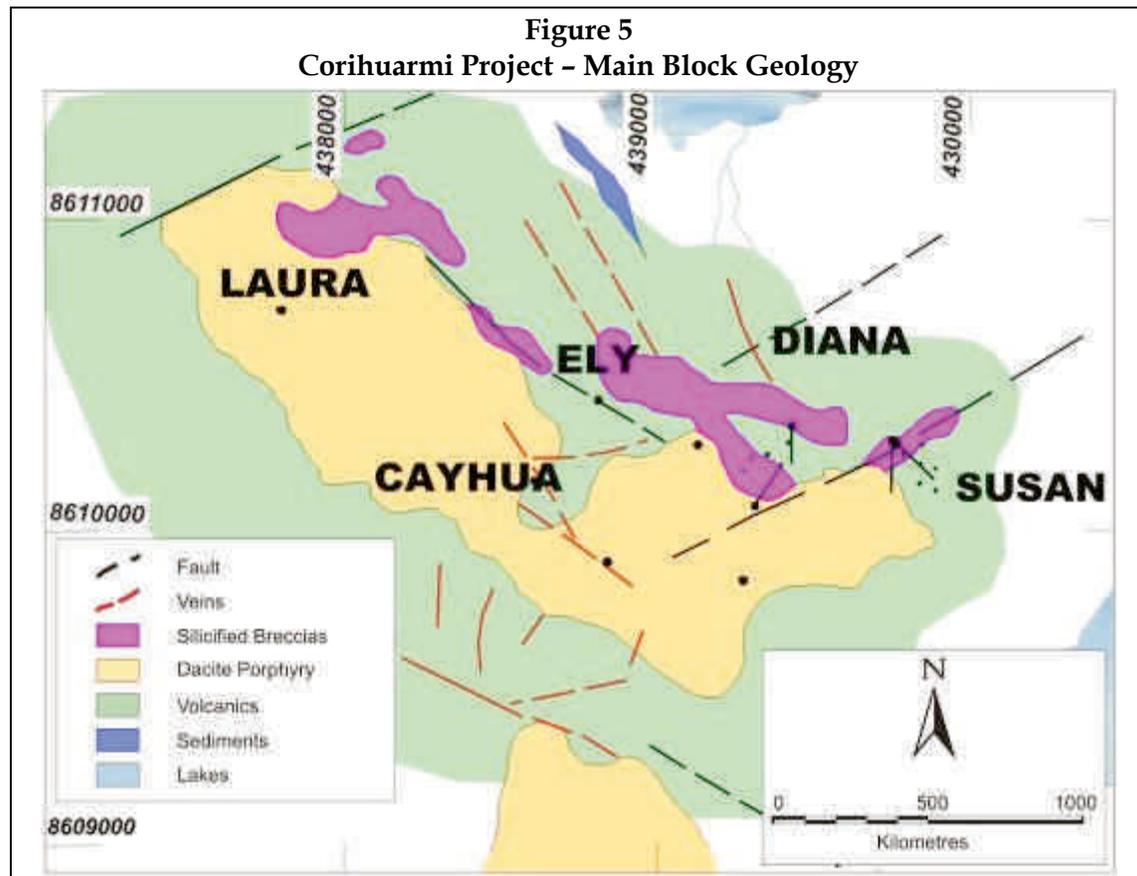


Mineralization identified to date within the Corihuarmi Project comprises a high sulphidation epithermal precious metal system that formed at relatively shallow depth. Gold and silver mineralization is essentially confined to remnant zones of silicification and brecciation that dominantly lie along the northeast margin of the volcanic complex. Horizontal metallogenic zonation provides evidence that this siliceous layer was once continuous, effectively capping the hydrothermal system.

The most significant mineralization is associated with the Susan and Diana zones, which has been mined since the beginning of 2008 and comprises resistant remnant mineralized silicified bluffs separated by some 180m. The Susan deposit measures approximately 200m by 350m in size, being confined at the margins by cliffs. The smaller Diana deposit is approximately 150m by 250m in area, and to some extent remains open to the northwest and southeast along the ridge-line. The siliceous layer is shallow dipping to sub-horizontally disposed, ranging in thickness from 10m to 75m, and averaging approximately 45m.

Drilling before 2008 defined a zone of higher relative grade ( $>1\text{g/t Au}$ ) near the top of the Diana deposit and immediately below a barren siliceous cap at the Susan deposit. These zones ranged from 5m to 50m in thickness and their attitude is consistent with the sub-horizontal morphology of the exposures. The tenor of mineralization diminishes rapidly below these higher grade

zones, the exception being isolated intersections of higher grade that are interpreted to represent a series of northwest and northeast trending faults that acted as feeder structures for multiple hydrothermal mineralizing events.



Figures 6 and 7 are photos of the Susan and Diana orebodies; the former figure shows these outcrops before mining started in January 2008 and the second photo illustrates the open pits 2 years into the mine life.

Figures 8 and 9 illustrate a pre-mining cross section of Susan and Diana. This shows the drill intersections and mineralized zones destined for mining.

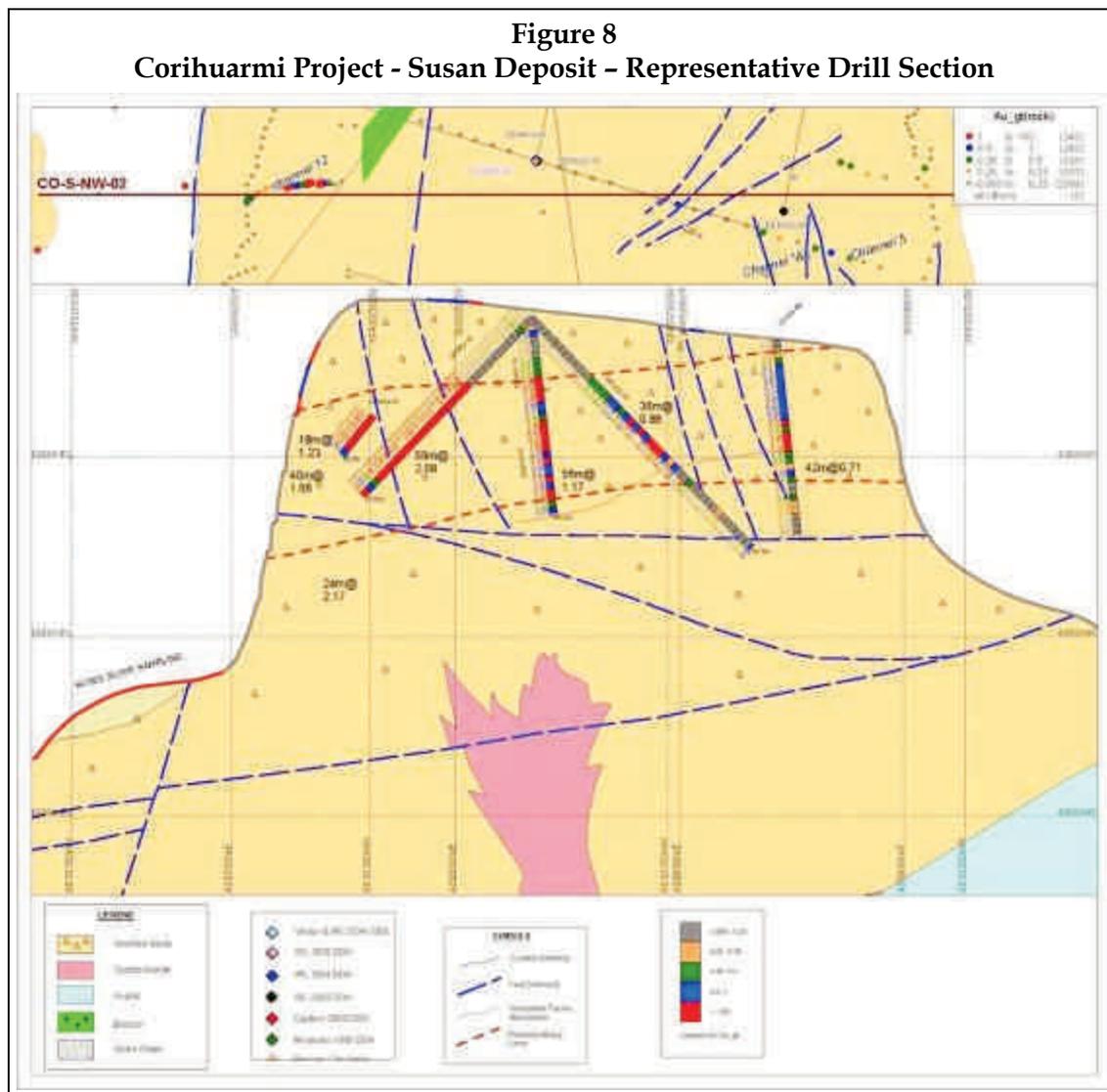
**Figure 6**  
**Corihuarmi Project - Susan (right) and Diana (left) Zones (pre-mining)**



**Figure 7**  
**Corihuarmi Project - Susan (right) and Diana (left) Zones in January 2010**

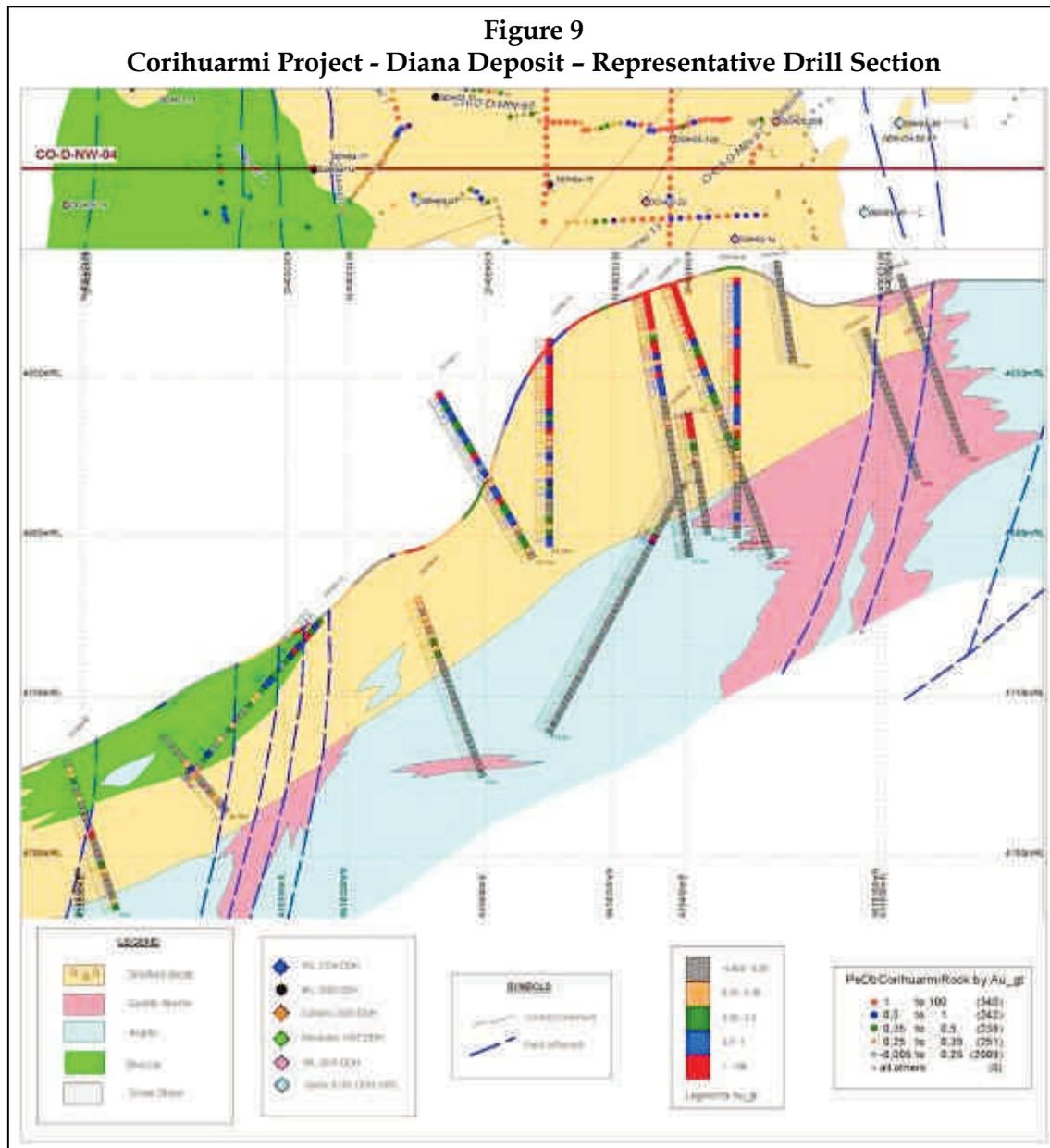


**Figure 8**  
**Corihuarmi Project - Susan Deposit - Representative Drill Section**



The mineralized material is almost exclusively comprised of amorphous vuggy silica with the dacite protore generally being modified beyond textural or mineralogical recognition. Subordinate interstitial alunite increases in abundance towards the base of the mineralized zones, while zones of annealed breccias and quartz veining attest to multiple episodes of hydrothermal activity. The massive siliceous material grades laterally downwards into a zone of intense silica-alunite alteration.

**Figure 9**  
**Corihuarmi Project - Diana Deposit - Representative Drill Section**



While the project resources and reserves are confined to the Susan and Diana zones, a series of other siliceous exposures have been recognised elsewhere within the main block tenements. These include the prospective Ely, Cayhua, Laura, Coyllor and Elena areas.

### Drilling

All diamond drilling was completed by the drilling contractor, MDH SAC. Most diamond core holes were drilled HQ diameter (63.5mm diameter).

Based upon inspection of various core trays available on site and review of the available reports, Coffey Mining (“Coffey”) considered that diamond core drilling has been carried out to expected industry standards. Sample recoveries were not recorded by Minera IRL although were reportedly high.

Blasthole drilling is used for blasting and also for grade control sampling, as standard industry practice. The holes are all vertical to approximately 5m depth and are rotary air blast samples which effectively result in wall contamination.

Drillhole collars were surveyed by Minera IRL surveyors using total station. Survey accuracy is reported as +/-0.5m. Coffey reports that accuracy of the survey measurements meets acceptable industry standards. No downhole surveys have been undertaken. The deviation is however expected to be limited as the holes are generally less than 100m.

### **Sampling & Assaying**

HQ (63.5mm diameter) and NQ (47.6mm diameter) diamond core was sampled at lengths on average of 2m. Samples were numbered and collected in individual plastic bags with sample tags inserted inside.

RC samples were collected at 5m intervals and quartered in riffle splitters. Sub-samples weighed approximately 1kg and were collected in cloth-lined sample bags. The samples for the scree RC drilling were collected on 1m and 2m intervals.

Diamond core was logged in detail for geological, structural and geotechnical information, including rock quality designation (“RQD”) and core recovery. Whole core was routinely photographed. Review by Coffey of selected geological logs against actual core showed no significant discrepancies or inconsistencies. Diamond core and RC chip logging have been conventional and appropriate.

### **Sample Preparation, Analysis and Security**

Reference material is retained and stored in Lima, including half-core and photographs generated by diamond drilling, duplicate pulps and residues of all submitted samples. All pulps are stored in Lima at the Minera IRL storage base.

The CIMM laboratory in Lima was responsible for the preparation and analysis of the resource holes. Samples were digitally weighed, dried to a maximum of 120°C (for wet samples), crushed to 70% < 2mm (10 mesh), riffle split to 250g, and pulverised to 85% < 75µm (200 mesh). 50g pulps were submitted for chemical analysis. Chemical analysis consisted of fire assay (FA) with atomic absorption spectrometry (AAS) finish, using 50g sub-samples. Those samples that analysed  $\geq 5$  g/t Au were analysed using gravimetric methods.

The mine operates a modern laboratory where 100 fire assays per day are carried out for grade control purposes.

## Mineral Resource and Mineral Reserve Estimates

The resource and reserve drilling for the feasibility study was all HQ diamond core. Subsequent drilling has been a combination of diamond and reverse circulation drilling.

The grade estimates for the Diana and Susan deposits have been classified by Coffey as a combination of Measured and Indicated Mineral Resources in accordance with the criteria laid out in the Canadian National Instrument 43-101 – *Standards of Disclosure for Mineral Projects* (“NI 43-101”) guidelines. No material has been classified as Inferred.

The feasibility study upon which the Corihuarmi Gold Mine was predicated (before mining commenced in 2008) upon a Proven and Probable Reserve (as defined in NI 43-101) totalled 4 million tonnes grading 1.1g/t Au containing 144,000 ounces.

Using cutoff grades of 0.3g/t Au cut-off at the Susan deposit and a 0.25g/t Au cut-off at the Diana deposit, a total of 5.3Mt at an average gold grade 0.6g/t Au for 103 koz Au are reported from the combined deposits, remaining in-situ as of December 31, 2009, as estimated by independent consultants Coffey.

| <p align="center"><b>Table 1</b><br/><b>Corihuarmi Gold Mine</b><br/><b>Minable Reserve Summary</b><br/><b>As of 31 December 2009</b></p> |         |                  |        |            |          |        |            |        |        |            |
|---|---------|------------------|--------|------------|----------|--------|------------|--------|--------|------------|
| Cut off (g/t)   | Deposit | Mineral Reserves |        |            |          |        |            |        |        |            |
|   |         | Proven           |        |            | Probable |        |            | Total  |        |            |
|   |         | Tonnes           | Grade  | In-situ Au | Tonnes   | Grade  | In-situ Au | Tonnes | Grade  | In-situ Au |
|   |         | Mt               | g/t Au | koz        | Mt       | g/t Au | koz        | Mt     | g/t Au | koz        |
| 0.30  | Diana   | 0.7              | 0.54   | 11.9       | -        | -      | -          | 0.7    | 0.54   | 11.9       |
| 0.25  | Susan   | 4.4              | 0.67   | 93.9       | -        | -      | -          | 4.4    | 0.67   | 93.9       |
|   | Total   | 5.1              | 0.65   | 105.9      | -        | -      | -          | 5.1    | 0.65   | 105.9      |

A total Inferred Mineral Resource for the scree mineralization has been estimated by Coffey at 3.765Mt at 0.45 g/t Au containing 54,600 ounces with no lower grade cutoff applied (as at 28 February 2010). Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.

A comparison of the mining figures against the current resource model on a bench by bench basis, for the period January 1, 2009 to June 30, 2009 has been analysed by Coffey. The Diana

deposit has consistently returned higher grades and more contained metal from mining blocks than shown from the current resource model for the corresponding volumes. Globally, the current mining at Diana has reported 154% of the gold ounces, delineated by the resource model.

The Susan deposit is performing well on the comparison of current mining against resource model figures. Globally, the mining at Susan is reporting 106% of the gold ounces delineated by the resource model.

## Operations

The environmental conditions at the Corihuarmi Gold Mine, located at up to 5,000 meters in elevation, is surrounding peaks generally barren of vegetation with open grassland meadows and wetlands. There is snow and rain in the summer months, October to April, and is generally dry the remainder of the year. The Company policy is to comply with World Bank Standard environmental practices. Figure 10 illustrates the pristine wetland in close proximity with the operation.

**Figure 10**  
**Plant and heap leach, January 2010, showing wetlands in the foreground**



Corihuarmi is fully permitted to mine and treat up to 4,500 tonnes per day.

The operation comprises a conventional open pit benching mine and treatment by a single stage crush, heap leach operation.

Mining is carried out under contract to CyM Contratistas Generales SAC ("CyM"), who supplies and operates all the mining equipment under Minera IRL staff supervision.

The geotechnical evaluation was completed by Vector in 2005. The evaluation was based on existing geological data, field structural and geotechnical mapping and drill hole core logging. In summary, the evaluation resulted in the recommendation of 70° batters and 8.5m berms for every 20m in vertical wall height.

The life of mine (“LOM”) pit design was completed by AMC to conventional industry standards during the feasibility study.

Both the Diana and Susan pits require blasting prior to loading. The drilling is performed with a Sandvik DX-700 Ranger, the holes diameter is 127mm (4½in). The drill pattern generally varies from 3m x 3m to 5m x 5m depending on rock hardness. The blast are loaded with emulsion based explosives and initiated with NONEL type detonators.

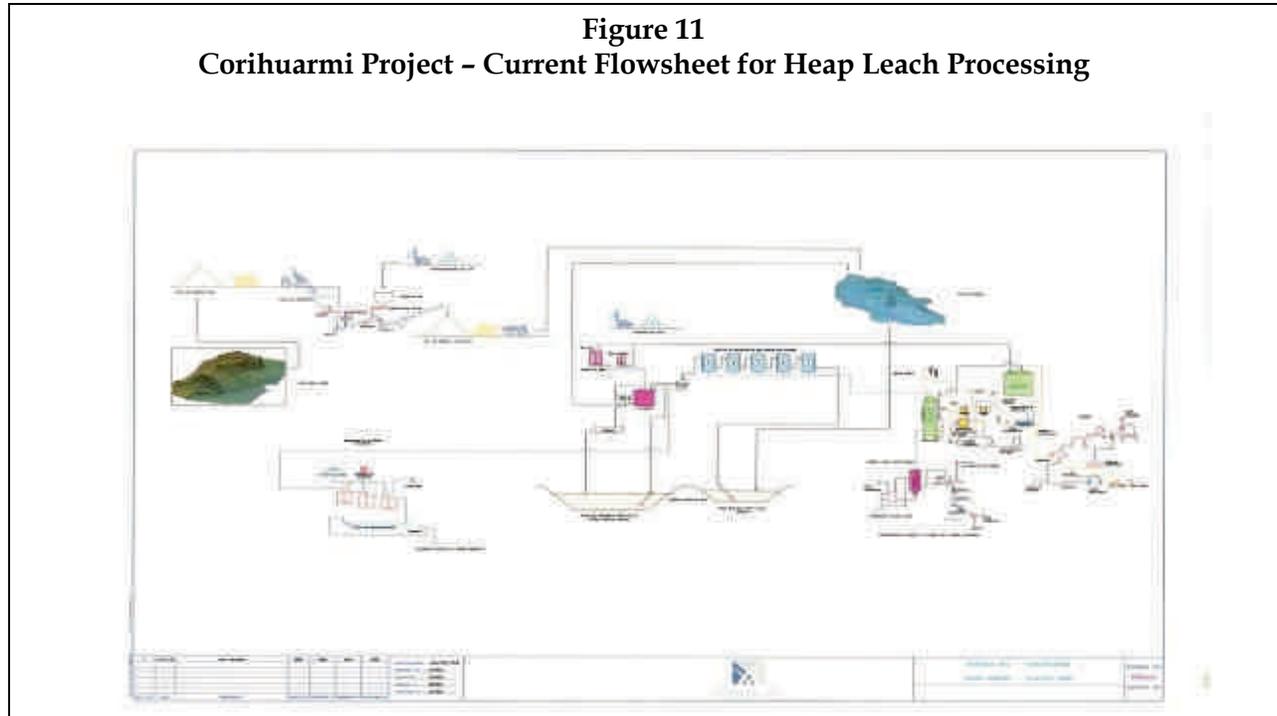
For grade control purposes a representative sample of the drill cuttings produced from blast holes is used for grade determination (blast hole sampling).

Loading is performed using either a Caterpillar 320C (20t) excavator or a Hyundai R360LC (36t) excavator. Both of these machines are considered suitable for the project. The truck fleet comprises 14 Volvo FM12 carrying on average 27t per load (truck factor).

CyM is employed to carry out the mining activities and, as such, the capital depreciation of the mining equipment is incorporated into the mine operating unit rates.

The Corihuarmi Project process is a heap leach operation utilizing a multiple-lift, single-use leach pad. Prior to placing the ore onto the leach pad the ore is primary crushed. Processing of ore began on the Corihuarmi heap leach project in January 2008 when irrigation of the heaps was started.

A current flowsheet for the Corihuarmi heap leach project is illustrated in Figure 11 below.



Ore from the mine is transported by trucks to the run of mine (“ROM”) pad. The ore is then either dumped directly into the coarse ore bin (“COB”) or can be placed on the ROM pad and fed into the COB by front end loader.

Ore is crushed in open circuit to minus 100mm through a primary jaw crusher. As the ore travels along the conveyor it is weighed and lime is added. From this conveyor the ore is discharged onto a stacking conveyor and is stockpiled. The crushed material is reclaimed using a front end loader and trucks and transported to the heap leach pad where it is stacked on 8 meter high lifts and levelled.

Heap leaching with dilute cyanide solution is carried out in a single stage system. Pregnant leach solution is delivered to activated carbon contactors to remove the gold after which the solution is pumped back to the heap leach pad. The activated carbon in the contactors is stripped from the carbon in the elution plant and the gold is electrowon onto cathodes. The cathodes are then direct smelted to recover the gold into bullion ready for sale.

Recoveries are shown in Table 2.

| <b>Table 2</b>                              |                               |                                |
|---|-------------------------------|--------------------------------|
| <b>Feasibility Study Recovery Estimates</b> |                               |                                |
| <b>Outcrop</b>                              | <b>Average Field Recovery</b> | <b>Expected Recovery Range</b> |
| Diana                                       | 87                            | 83 to 92                       |
| Susan                                       | 70                            | 61 to 85                       |
| Overall                                     | 76.8                          |                                |

A camp to accommodate approximately 140 employees has been constructed to the east of the plant facilities. Existing buildings includes the offices, warehouse, messing facilities and other buildings.

#### **Production, Cost history and Life-of-Mine Plan**

Crushing and stacking of the heap at Corihuarmi commenced in January 2008 with the first gold pour on 15 March 2008. Production for 2008 was largely from the higher grade Diana outcrop whereas production for 2009 was mostly from the larger but lower grade Susan outcrop.

| <b>Parameter</b>                       | <b>2008<br/>Year</b> | <b>2009<br/>Year</b> |
|--|----------------------|----------------------|
| Ore mined and stacked on heap - tonnes | 1,076,033            | 1,216,844            |
| Ore grade, mined and stacked - g/t Au  | 1.99                 | 1.13                 |
| Production - Gold, ounces              | 51,691               | 33,012               |
| Shipments - Gold, fine ounces          | 50,347               | 32,147               |
| Sale price received - Gold, US\$/ounce | 869                  | 988                  |
| Cash operating cost - US\$/ounce       | 161                  | 341                  |

The LOM design was completed by AMC to conventional industry standards during the feasibility study. The current LOM plan uses this same design but a lower cut-off grade of 0.25g/tAu for the Susan pit and 0.30g/t Au for the Diana pit was applied. The pit inventory comprises 5.1Mt of mill feed at 0.65g/tAu with 1.2Mt of waste for a waste to ore strip ratio of 0.2: 1. The mining schedule is summarised in Table 3.

| <p style="text-align: center;"><b>Table 3</b><br/><b>Corihuarmi Project</b><br/><b>Life of Mine Plan Summary</b></p> |            |                |          |              |            |               |
|--|------------|----------------|----------|--------------|------------|---------------|
| Year   | Tonnes Ore | Grade Au (g/t) | Ounces   | Tonnes waste | Ratio (SR) | Rec Au Ounces |
| 2010   | 1.45Mt     | 0.8            | 39.5koz  | 125.0kt      | 0.09       | 28.1          |
| 2011   | 1.45Mt     | 0.8            | 35.0koz  | 336.7kt      | 0.23       | 25.0          |
| 2012   | 1.45Mt     | 0.5            | 22.3koz  | 460.8kt      | 0.32       | 16.1          |
| 2013   | 0.73Mt     | 0.4            | 9.0koz   | 254.7kt      | 0.35       | 6.7           |
| Total  | 5.08Mt     | 0.6            | 105.8koz | 1,177.2kt    | 0.23       | 75.9          |

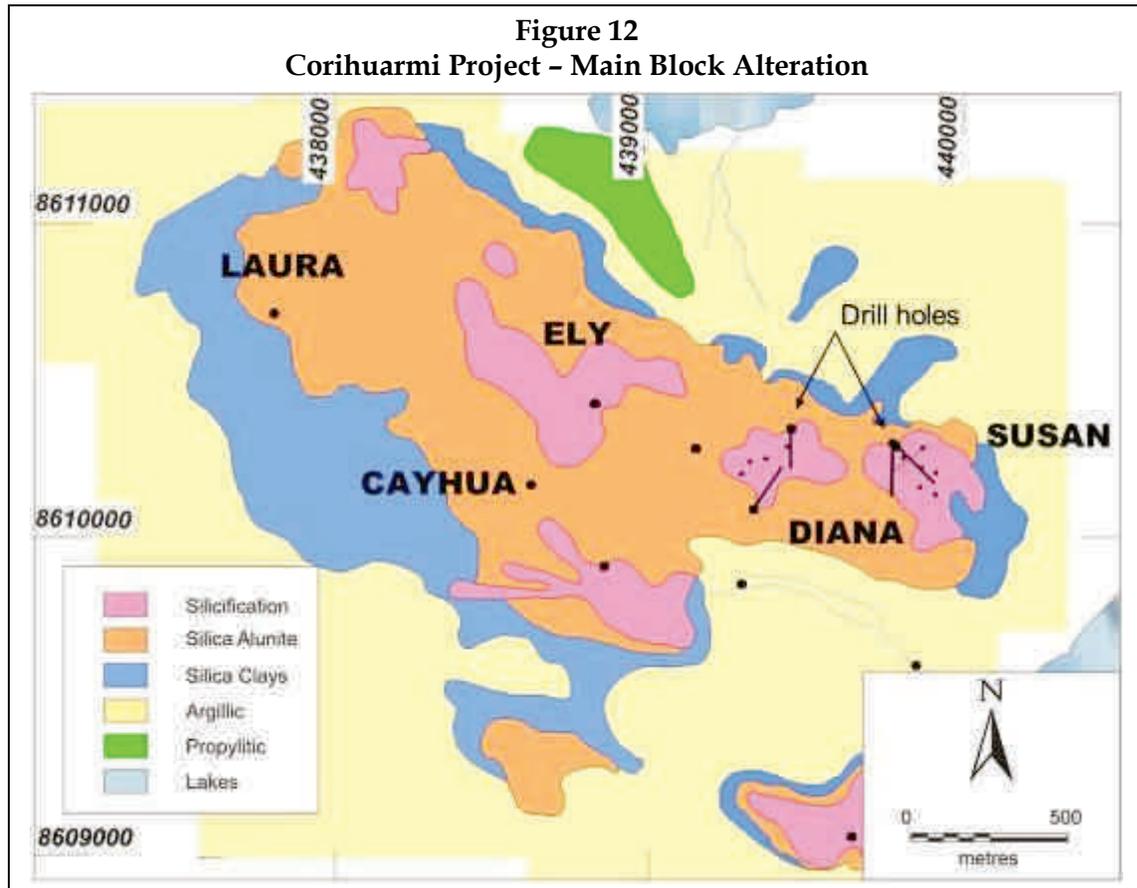
A royalty payable to the government of Peru is based on a percentage of the sale volume varying at the following incremental rates: companies with sales of up to US\$60 million per year – 1% of sales; companies with sales of above \$60M and up to US\$120 million per year – 2% of sales; and companies with sales over US\$120 million per year – 3% of sales. The Corihuarmi Project is also subject to the Peru corporate income tax at a rate of 30%.

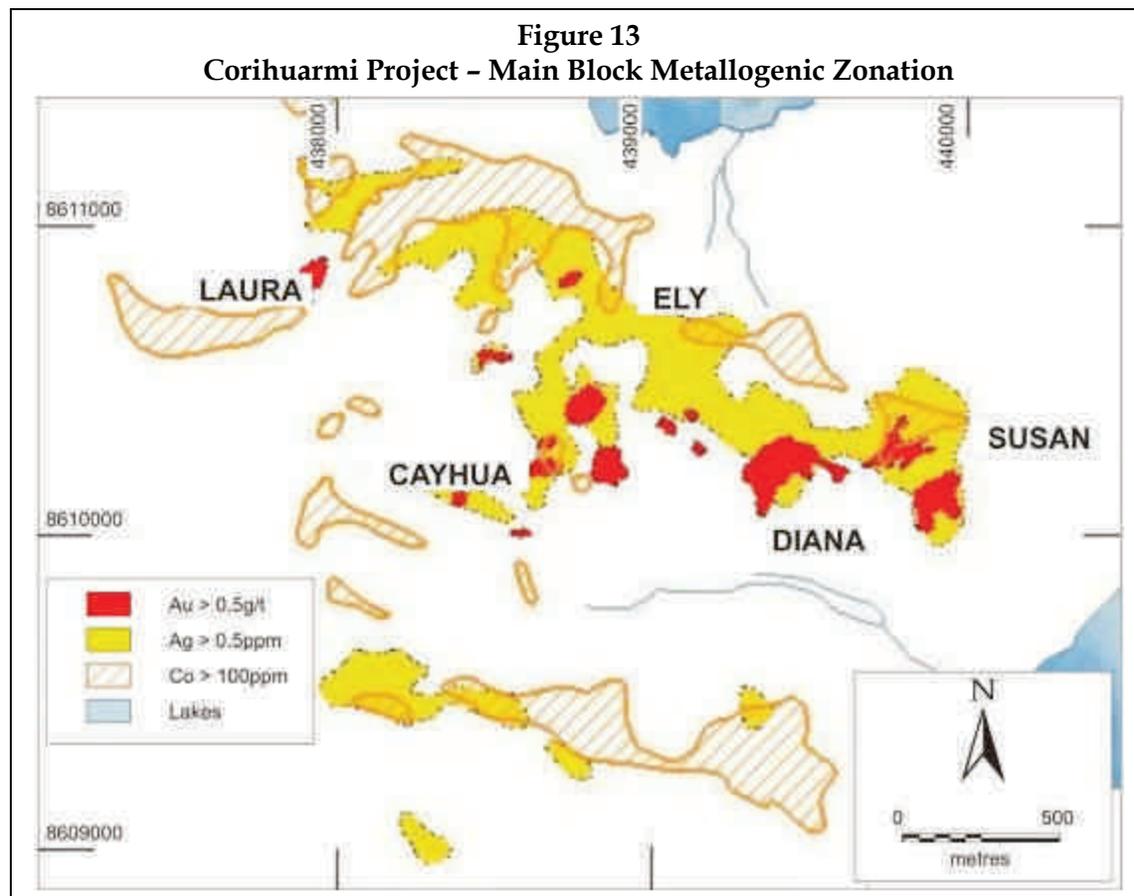
### Exploration

Bedrock sampling, particularly chip channel sampling in conjunction with diamond core (“DC”) and RC drilling have been the dominant exploration tools of Minera IRL for defining mineral resources at the Diana and Susan zones. In addition they have utilised geological mapping, and geochemistry sampling, along with CSAMT geophysical surveys.

In addition to the main Susan and Diana current mine areas, the property includes the Laura, Ely and Cayhua prospects that have been defined by a combination of soil geochemistry and exploration diamond drilling (Figures 12 and 13).

Figure 12  
Corihuarmi Project - Main Block Alteration





Results from the drilling have not been positive and as such no further proposed drilling has been proposed by Minera IRL on these prospects.

Exploration surveys and interpretations completed to date within the Corihuarmi Project have largely been planned, executed and supervised by Minera IRL personnel, supplemented by consultants and contractors for more specialised or technical roles. The data was considered by Coffey to be of good quality.

Coffey considers there are other exploration targets that justify further exploration as drilling of these epithermal targets to date is minimal and there is potential to identify additional mineralization in the Minera IRL permits. The Company has plans to continue exploration over these relatively untested targets.

## 4.2 Ollachea

The following summary is taken from the technical report entitled "Ollachea Gold Project, Technical Report" (the "Ollachea Report") dated 6 April 2010. This summary is not complete



and the full Ollachea Report can be accessed on the Company's SEDAR profile at [www.sedar.com](http://www.sedar.com).

### **Project Description, Logistics, Infrastructure and Climate**

The Ollachea Project is a recent gold discovery made by Minera IRL under the banner of its wholly owned subsidiary Minera Kuri Kullu ("MKK"). The project is now in a pre-feasibility study stage and also involves an extensive exploration program.

The Ollachea Project is located in the Ollachea District of Carabaya Province in the Puno Region of south-eastern Peru. The project is located approximately 160km southeast of Cuzco, 230km north-northwest of Puno and 1.5km west of the village of Ollachea (Figure 14). Central coordinates are 338,500mE and 8,474,500mN.

**Figure 14**  
**Location Plan of Ollachea Project**



The village of Ollachea can be reached by vehicle from Juliaca, serviced by regular national flights, in 4 hours, via a good quality sealed road, with local zones of unsealed road, associated with the construction of the Southern Interoceanic Highway (Brazil to Peru). From the Ollachea

village, the Ollachea Project is accessed via a steep gravel road for a further 1.5km to the west. The San Gaban hydroelectric complex is located 43km north-northeast of the Ollachea Project. The average capacity of the grid is 455MW, generating some 3,240GWh/y. The San Gaban complex connects directly to the national grid, which passes directly across the Ollachea Project. A permanent source of water is available from the Ollachea River, a major melt-water drainage that flows immediately north of the Ollachea township.

The Ollachea Project lies within steep sided valleys and ridges ranging in altitude from 2,700m to 3,300m above sea level. The Project is within a sub-alpine climatic regime. Precipitation is markedly seasonal and total annual precipitation averages about 950mm per year. Some 70% to 80% of annual precipitation is received between November and April. Snow is an unusual occurrence at this elevation. The vegetation is dominated by small trees, low shrubs and alpine grasses. A small perennial stream flows east through the property to the Ollachea township.

The township of Ollachea, is located 1.5km to the east of the Project area and has a population of approximately 2,000. This is the main population base within close proximity to the Ollachea Project. During the exploration phase, most of the workforce of more than 100 employees is sourced from Ollachea.

MKK negotiated a surface rights agreement which was signed on 25 November 2007 for maximum of 5 years, which will automatically revert to a development contract at the time of development decision. The area affected is 5,900Ha. The payment for surface rights is US\$213,333 over the 5 year period. In addition, contributions to sustainable projects and social responsibility for the community total US\$416,666 for this period as well as contribution for technical support to the artisan miners of US\$300,000. Upon the commencement of production, the Company will transfer a participation of 5% of the share capital of MKK to the community giving them a participating interest in the project.



**Figure 16**  
**Artisanal Mining**



Modern exploration commenced with a TSX Venture Exchange (the “TSX-V”) listed company, Peruvian Gold Limited, which completed five diamond drill holes (501m) between 1998 and 1999; some interesting but low grade intersections were obtained and the Peruvian Gold did not persist. Rio Tinto re-discovered the area in May 2003 while following-up a regional stream sediment sampling program. Two field trips were completed in 2003 and 2004, during which encouraging surface samples were obtained. However, in 2006 Rio Tinto elected to farm out the project.

Pursuant to an option agreement dated 1 September 2006 between the Company, Minera IRL SA, Rio Tinto and Felipe Augusto Benavides Romero (“Felipe Benavides”), the Company was granted an option to acquire the rights and a 100% interest in the tenements comprising the Ollachea Project in consideration for an initial payment of US\$250,000, progressive payments of US\$6,000,000 in aggregate over 4 years, together with two additional payments in the event that Rio Tinto’s clawback right under the agreement is not exercised. The first additional payment comprises two alternatives, namely, (i) either 70% of the amount calculated by multiplying the number of ounces of gold and gold equivalent metal mineralization in inferred mineral resources, above 500,000 ounces, as defined by 20,000 meters drilling by seven dollars and the assignment to Rio Tinto of a 1% net smelter return royalty (“NSR”) over all future production from the Ollachea property and applicable related assets or (ii) the assignment to Rio Tinto of a 3% NSR over all future production from the Ollachea property and applicable related assets. On 15 December 2009, Rio Tinto notified the Company that they have selected alternative (i) of the first additional payment resulting a 1% NSR and a payment of approximately US\$3.81 million due on 15 June 2010. Under the second additional payment, Minera IRL SA commits to making

an additional cash payment of 30% of the net present value of the Ollachea Project (at a 7% discount rate) based on the results of the feasibility study, less 30% of the sunk costs determined after the exercise of this option.

Rio Tinto's clawback right entitled Rio Tinto a one time right to acquire up to a 60% participating interest in the Ollachea property or a 60% equity interest in Kuri Kullu. The clawback right is exercisable at any time, commencing on the exercise of the option and ending 54 months following execution of an agreement transferring title to the Ollachea Project to MKK once 20,000m of drilling has been completed and in excess of 5 million ounces of gold has been defined by paying to the Company three times the expenditure committed by MKK to that point. A share option agreement and mining option agreement were subsequently concluded on 23 February 2007 for the sale and purchase of this 60% interest, requiring the Company, Minera IRL SA and Kuri Kullu to give security to Rio Tinto so as to guarantee the obligations of the Minera IRL group of companies and Felipe Benavides under these agreements. This security entered into in favour Rio Tinto comprises a mining mortgage agreement in terms of which MKK established a first and preferential mortgage in the amount of US\$150,000,000 over the Ollachea property and its related assets, a guarantee in terms of which Minera IRL SA established a first and preferential mortgage in the amount of US\$150,000,000 over its entire present and future shareholding in MKK and related rights and a guarantee in terms of which Felipe Benavides established a first and preferential mortgage in the amount of US\$150,000,000 over its entire present and future shareholding in MKK and related rights. Other than as disclosed in this AIF, no other entity or person (other than the Company, Minera IRL SA, MKK and Felipe Benavides) have given any guarantees in relation to the arrangements with Rio Tinto. Rio Tinto's clawback right lapsed in 2009.

The transfer of the Ollachea property under the Rio Tinto option agreement were conditional on the successful negotiation of a surface rights agreement with the local community within 120 days from 23 February 2007, being the date of the agreement relating to the transfer of the concessions from Rio Tinto Peru to MKK. These concessions have now been transferred.

MKK is a special purpose company which was registered as a wholly owned subsidiary of Minera IRL SA to hold the Ollachea tenements.

A comprehensive surface rights agreement was signed with the Ollachea community in late 2007 and exploration commenced in early 2008 with drilling starting in October 2008. Two drill rigs have been active since that time and, as of March 2010, over 80 diamond holes have been completed for over 30,000 meters of drilling.

A significant discovery was announced in early 2009 and a positive scoping study was completed in November 2009 over the central Minapampa Zone where 1.3 million ounces has been estimated in an Inferred Resource category. The positive scoping study was the basis for the Company advancing the project into pre-feasibility status.

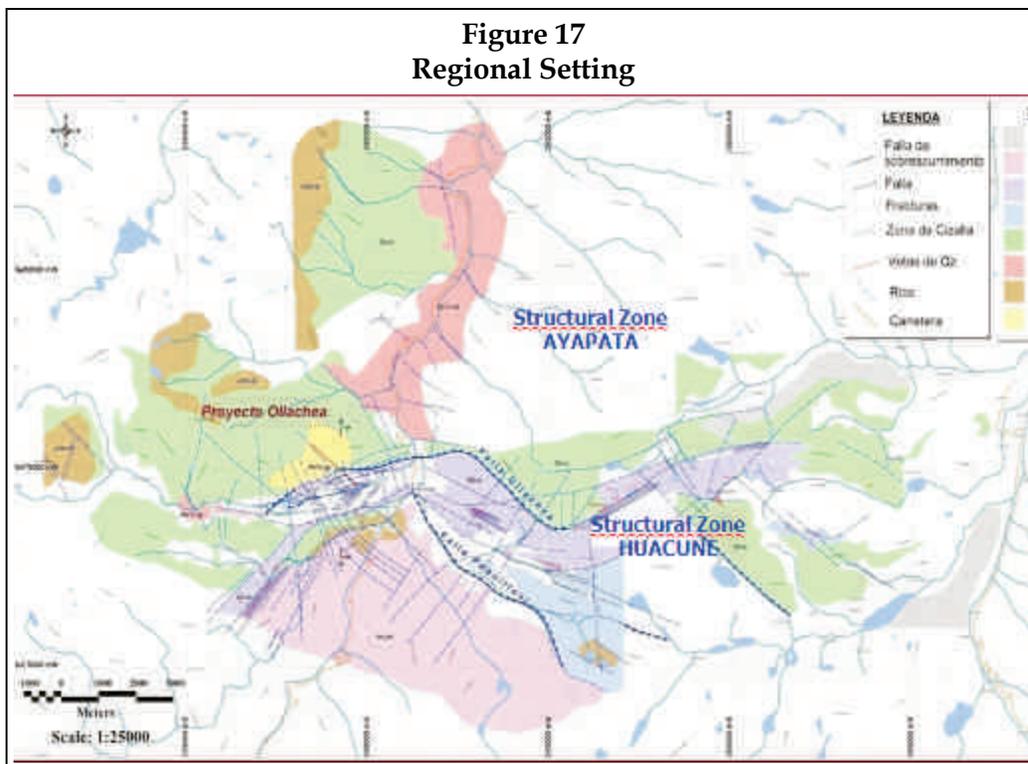
The pre-feasibility study involves infill drilling to allow the resource to be upgraded to Measured and Indicated status, further metallurgical testing, geotechnical and underground mining studies and the commencement of an exploration access tunnel.

All permits are in place that are required at this stage of the Ollachea Project. An environmental baseline study is in progress and permitting will be progressive as the Ollachea Project advances.

### Geology and Mineralization

The regional setting of the Ollachea Project is characterized by a significant change in the strike of the Andean range, whereby the stratigraphy is locally aligned approximately east-west, as opposed to the dominant northwest trend. This deflection is postulated to have resulted from significant compression and thrusting to accommodate a prominent portion of the adjacent Brazilian Shield to the east.

On a regional scale, the high grade gold projects occur almost exclusively in slates/phyllites, (usually carbonaceous), and rarely in more arenaceous but only when they lie adjacent to the mineralized phyllites. This suggests that there may be a regional control on pre D1 syngenetic gold in sulphides that has been upgraded in areas of strong overprinting D1 deformation. Figure 17 shows the regional setting with respects to the Ollachea Project.



The geology of the Ollachea Project is dominated by phyllites of the Devonian Sandia Formation, while the central portion is assigned to variably bedded graphitic slates and shales of the Siluro-Devonian Ananean Formation. A large nepheline syenite intrusion is located in the southern portion of the project.

The gold mineralization at Ollachea is broadly stratabound within north-east to east-west trending south dipping carbonaceous phyllites as shown in Figure 18 below. Two principal tectonic events are recognised in the Ollachea district:

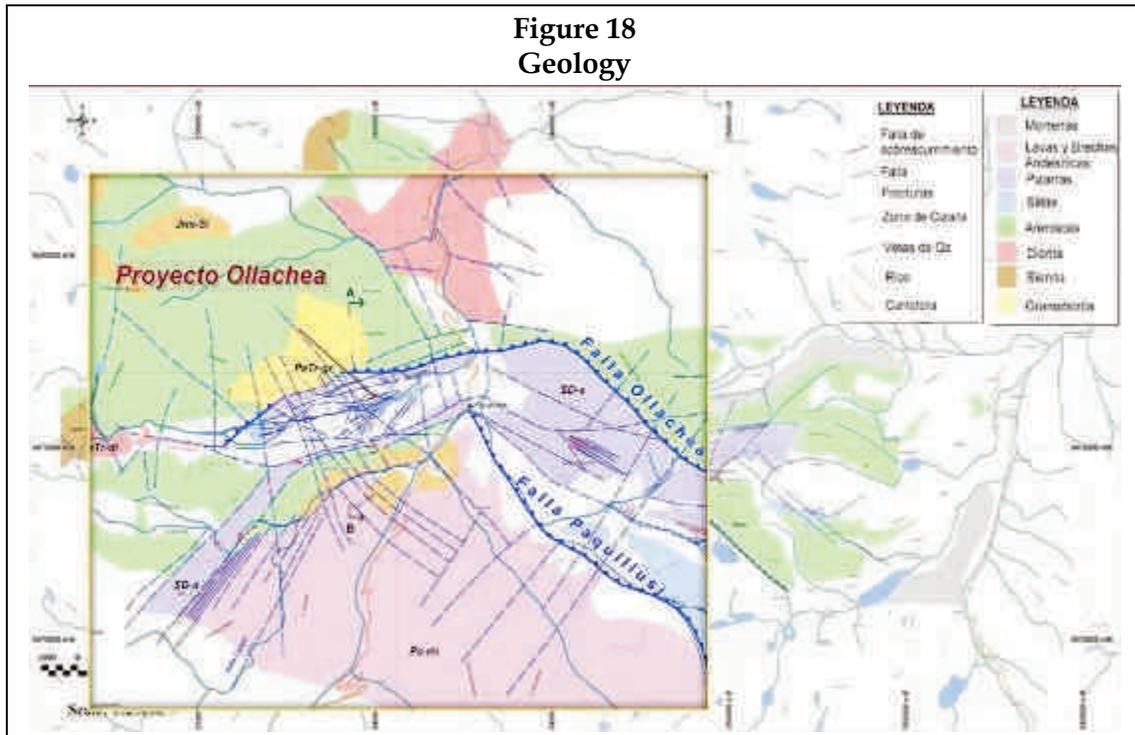
- D1 - the first event is the deformation of the slate sequence and the thrusting of the Sandia Formation over the Ananea Formation as part of the Hercynic orogenesis.
- D2 - the second phase of deformation is the start of the deformation of the Andean belt (late-Triassic approx. 220 +/-10Ma).

The D1 event was oriented by a northwest-southeast compression forming zones of shearing, folding and thrusting (inverse faults) of northeast-southwest strike. Gold mineralization is associated with the first event D1.

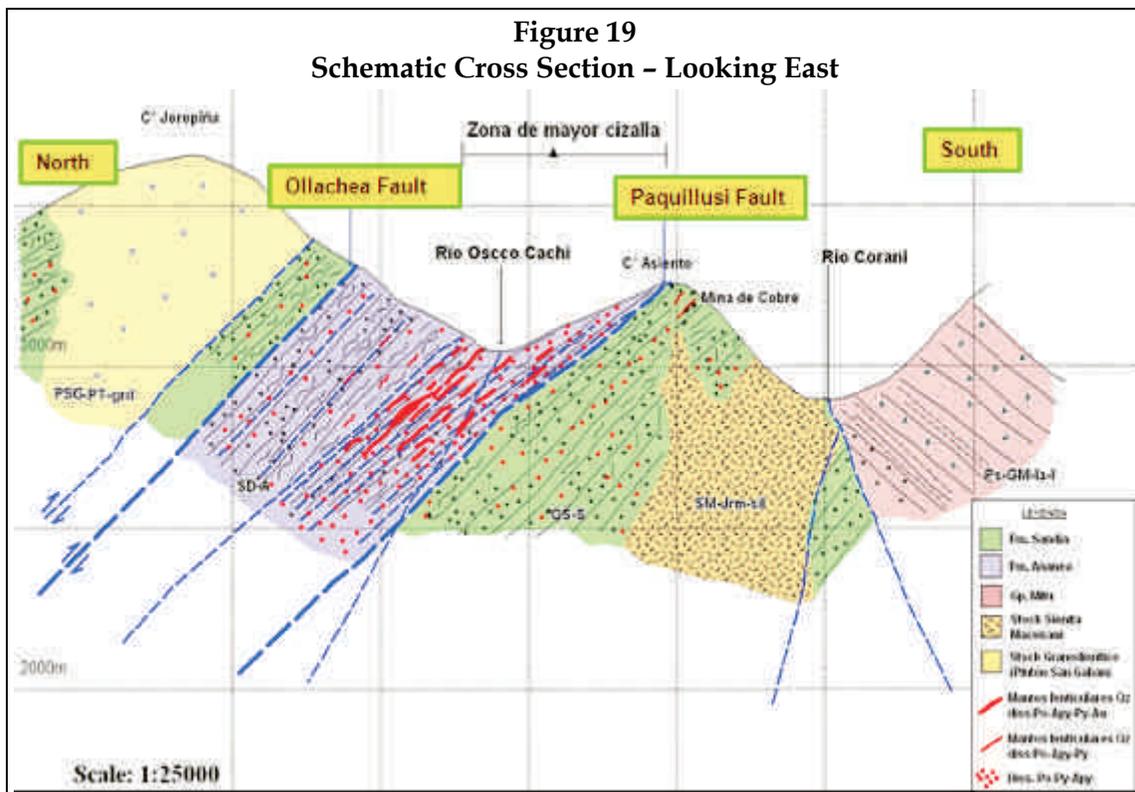
The D2 deformation consisted of a prolonged stage of compression oriented north northeast - south southwest forming principally reverse faults striking west northwest - east south-east and invoking the folding of the Ollachea district into the form of a "half-dome" thus changing the orientation of the slates in the central area to an almost east-west strike.

Figures 18 and 19 show the geology and structure in plan view along with a schematic cross section view of the geology.

**Figure 18**  
**Geology**



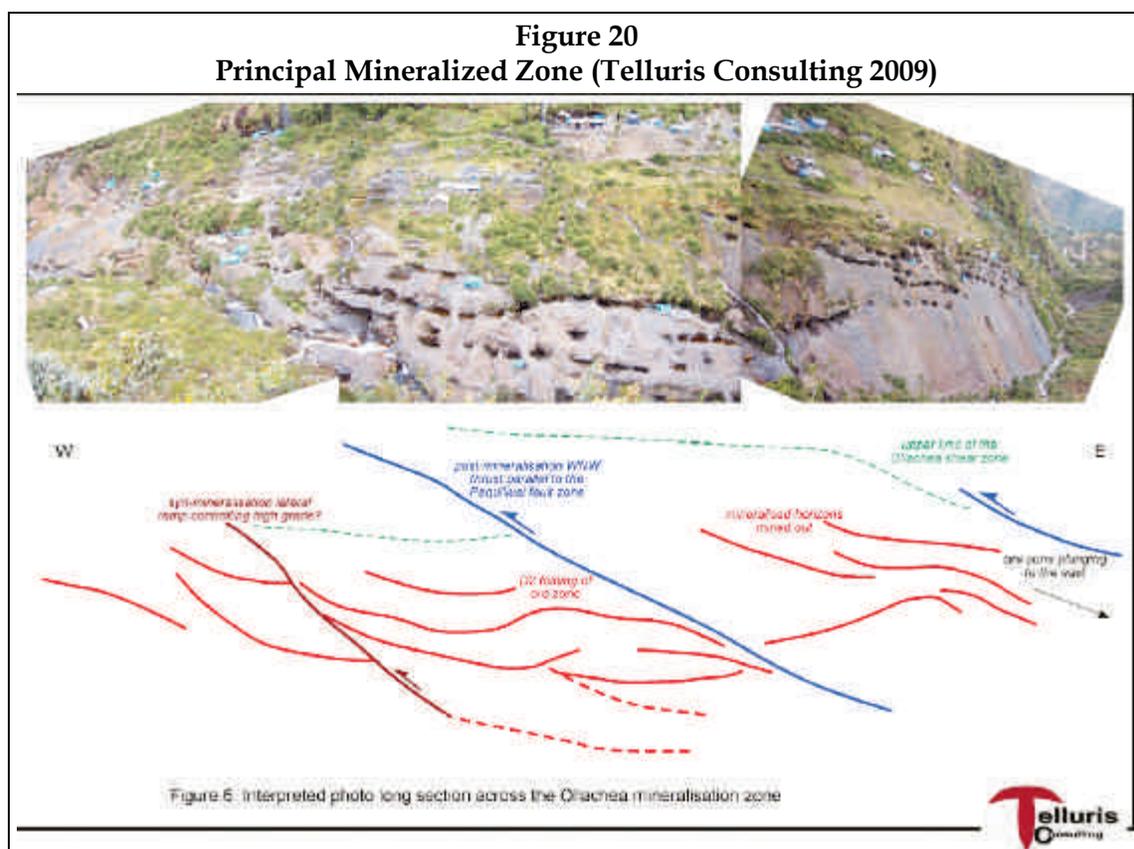
**Figure 19**  
**Schematic Cross Section - Looking East**



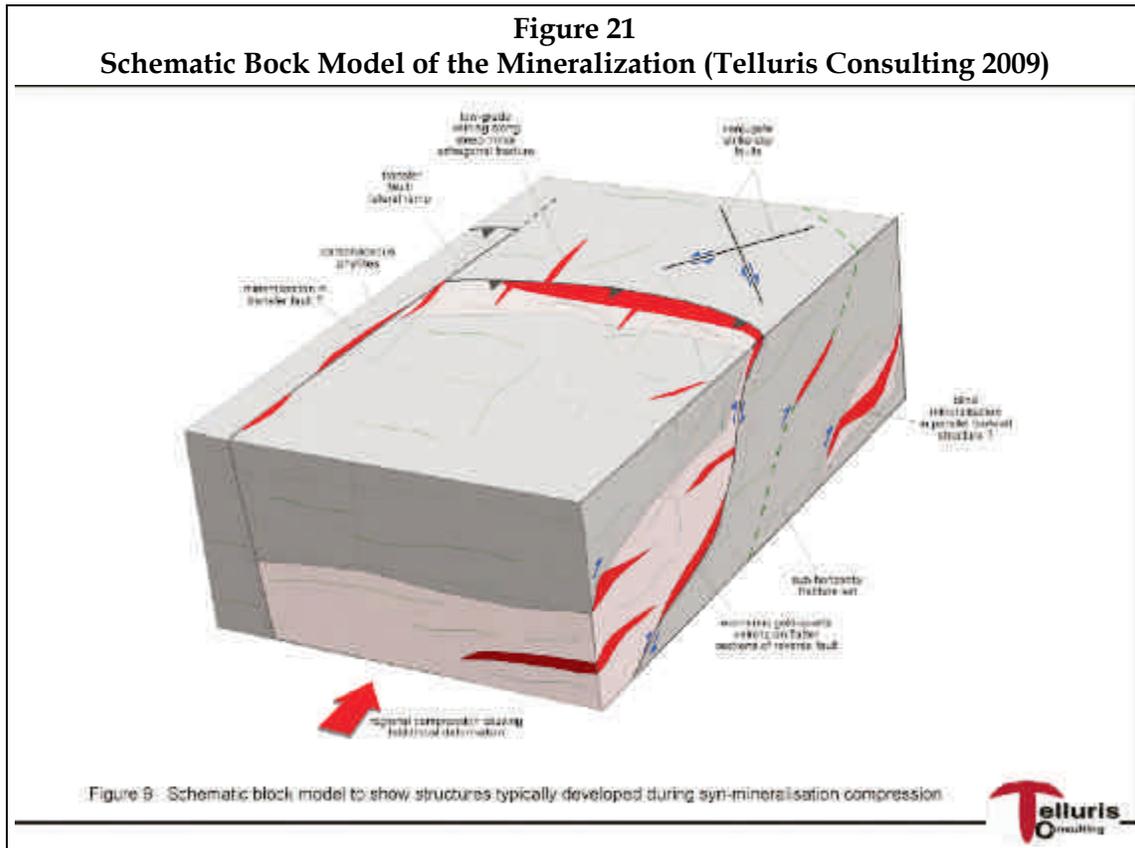
The principal zone of mineralization comprising the Ollachea prospect is being extensively worked by artisanal miners. The main mineralized area has a strike length of at least 1km and a minimum aggregate width in the order of 100m. Mineralized vein zones within this envelope average 40m to 60m wide and individually range from a few metres up to 100m in strike length and can be traced down dip over 200m.

Gold mineralization is associated with mesothermal quartz-carbonate-sulphide veins, with the sulphide assemblage dominantly comprising pyrite, pyrrhotite and minor chalcopyrite. Arsenopyrite and free gold have also been observed. Vein widths vary from a few centimetres up to a maximum of 40cm but do not always contain gold mineralization.

The mineralized veins are emplaced within an extensive shear zone, which dominates the entire graphitic shale package and is responsible for the well developed slaty cleavage. Mineralized veins have intruded late in the development of the shear zone and are broadly concordant to the cleavage. The veins are strongly boudinaged, resulting in the development of discontinuous lenses of mineralized veins. Figure 21 shows a schematic block model of the mineralization defined at Ollachea.

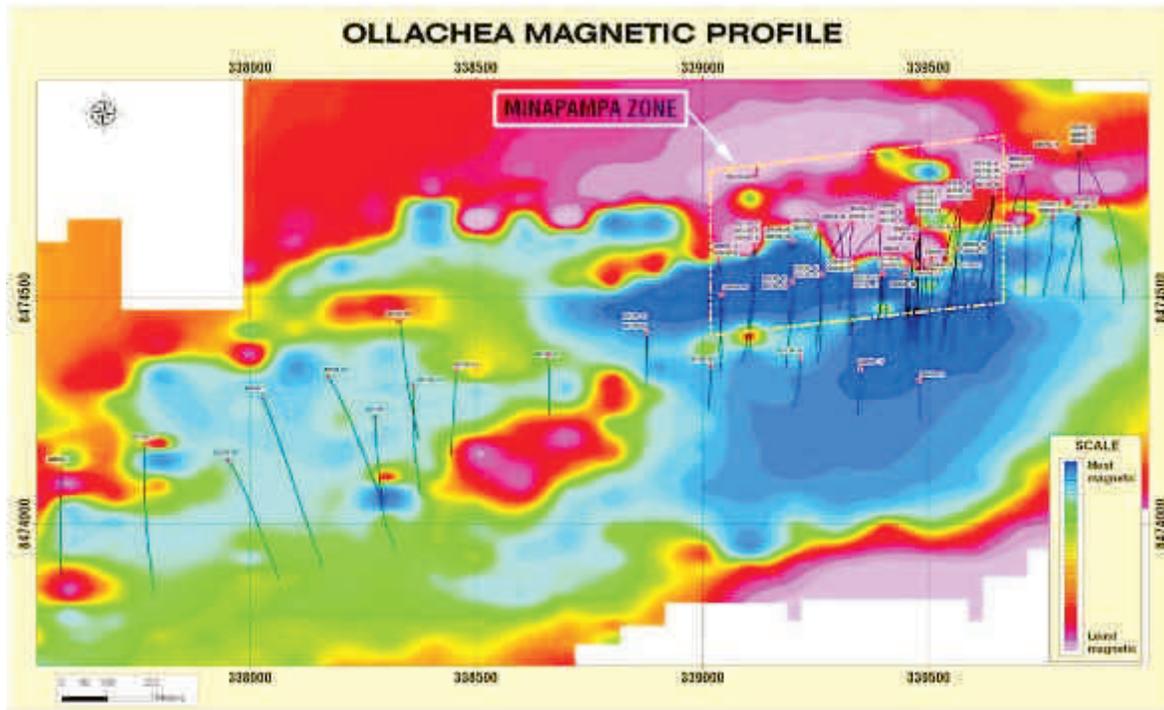


**Figure 21**  
**Schematic Block Model of the Mineralization (Telluris Consulting 2009)**



## Exploration

MKK has focused diamond drill exploration along a strike length of approximately 2km. Figure 22 illustrates the magnetic anomaly (the blue, green and yellow contours represent the magnetic sedimentary rocks) which is prospective host to gold mineralization. Within this zone is the 700m long Minapampa zone in which the scoping study has been carried out and an inferred resource of 1.3 million ounces has been estimated. This zone is open down dip and along strike. However, from an exploration perspective, many intersections with gold mineralization have been obtained over almost the entire strike length.



**Figure 22 – Magnetic profile over a 2km strike length at Ollachea**

The reliability and certainty of exploration data is described below.

Standards, blanks and pulp duplicates are inserted at approximately 1 in 20 (5%) by MKK.

MKK has made 8 standards from Ollachea material which has been certified by Consulting Specialist, Barry Smee (Smee). Pulp 8004 has not been certified and completely failed over 119 samples. This highlights the lack of review that was in place at MKK at the very beginning of the Ollachea Project which has been subsequently rectified. The remainder of the samples 6 to 8 are new samples that have been implemented since the site visit by Coffey. Following the visit, a designated database manager was implemented and as such the quality of standards analysis has improved dramatically as it is now monitored.

Table 4 provides details of the standards used.

| Table 4<br>Standards Utilised by MKK<br>Submitted Standards |                     |                |        |                |             |             |          |                       |                 |                  |
|---|---------------------|----------------|--------|----------------|-------------|-------------|----------|-----------------------|-----------------|------------------|
| Standard  | Expected Value (EV) | +/- 10% (EV)   | Failed | No of Analyses | Minimum (%) | Maximum (%) | Mean (%) | % Within +/- 10 of EV | % RSD (from EV) | % Bias (from EV) |
| 8001 (ppm)  | 25.36               | 22.82 to 27.9  | 2      | 17             | 21.66       | 24.85       | 0.87     | 88.24                 | 3.63            | -5.1             |
| 8002 (ppm)  | 6.99                | 6.29 to 7.69   | 2      | 235            | 1.55        | 7.66        | 7.01     | 0.43                  | 6.14            | 0.27             |
| 8003 (ppm)  | 1.53                | 1.38 to 1.68   | 20     | 243            | 1.23        | 1.83        | 1.5      | 92.59                 | 5.04            | -1.82            |
| 8004 (ppb)  | 19.86               | 17.87 to 21.85 | ALL    | 119            |             |             |          |                       |                 |                  |
| 8006 (ppm)  | 1.13                | 1.02 to 1.24   | 0      | 31             | 1.04        | 1.26        | 1.13     | 96.77                 | 4.79            | -0.4             |
| 8007 (ppm)  | 2.12                | 1.91 to 2.33   | 0      | 21             | 1.91        | 2.29        | 2.04     | 95.24                 | 5.08            | -3.61            |
| 8008 (ppm)  | 4.48                | 4.03 to 4.93   | 0      | 23             | 4.26        | 4.77        | 4.41     | 100                   | 2.55            | -1.57            |
| 8009 (ppm)  | 9.24                | 8.32 to 10.16  | 0      | 19             | 9.09        | 9.7         | 9.31     | 100                   | 2.12            | 0.75             |
| Pulp Blank  | <0.1                |                | 4      | 945            |             |             |          |                       |                 |                  |

Coffey considers that the current accuracy is good as shown by the zero failure rate of the new standards 8006 to 8009, but identified a number of poorly monitored issues from the earlier standards.

After crushing the sample to a -2mm size, the sample is split twice to 500g with the second split representing the preparation duplicate.

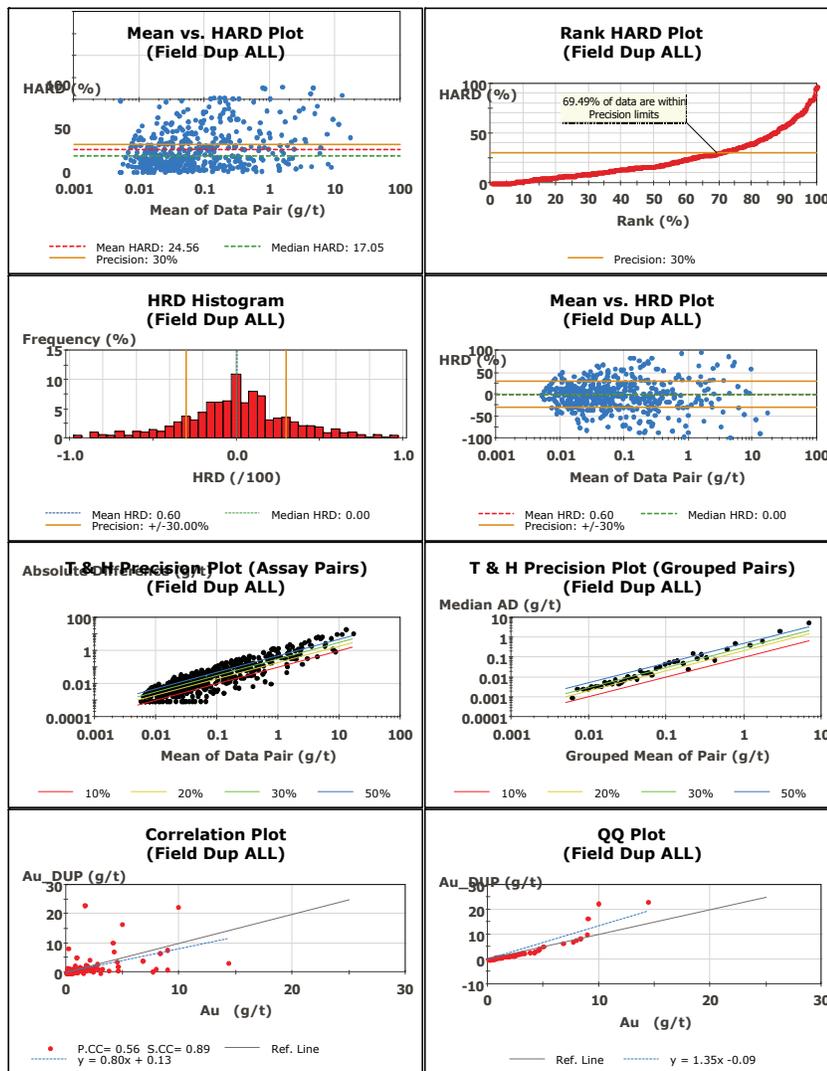
Coffey compared the preparation duplicate data (159 samples) using the QC assure software. The results of this data show that the prep-duplicate has over 90% precision at 30% HARD.

This is a very acceptable result for this style of Au mineralization. Results are summarized in Figure 23.

**Figure 23**  
**Preparation Laboratory Duplicates – All Data**

**Summary  
(Field Dup ALL)**

|                           | Au    | Au_DUP | Units |              | Result |
|---------------------------|-------|--------|-------|--------------|--------|
| No. Pairs:                | 508   | 508    |       | Pearson CC:  | 0.56   |
| Minimum:                  | 0.01  | 0.01   | g/t   | Spearman CC: | 0.89   |
| Maximum:                  | 14.33 | 23.29  | g/t   | Mean HARD:   | 24.56  |
| Mean:                     | 0.39  | 0.44   | g/t   | Median HARD: | 17.05  |
| Median:                   | 0.04  | 0.04   | g/t   | Mean HRD:    | 0.60   |
| Std. Deviation:           | 1.30  | 1.87   | g/t   | Median HRD:  | 0.00   |
| Coefficient of Variation: | 3.32  | 4.26   |       |              |        |



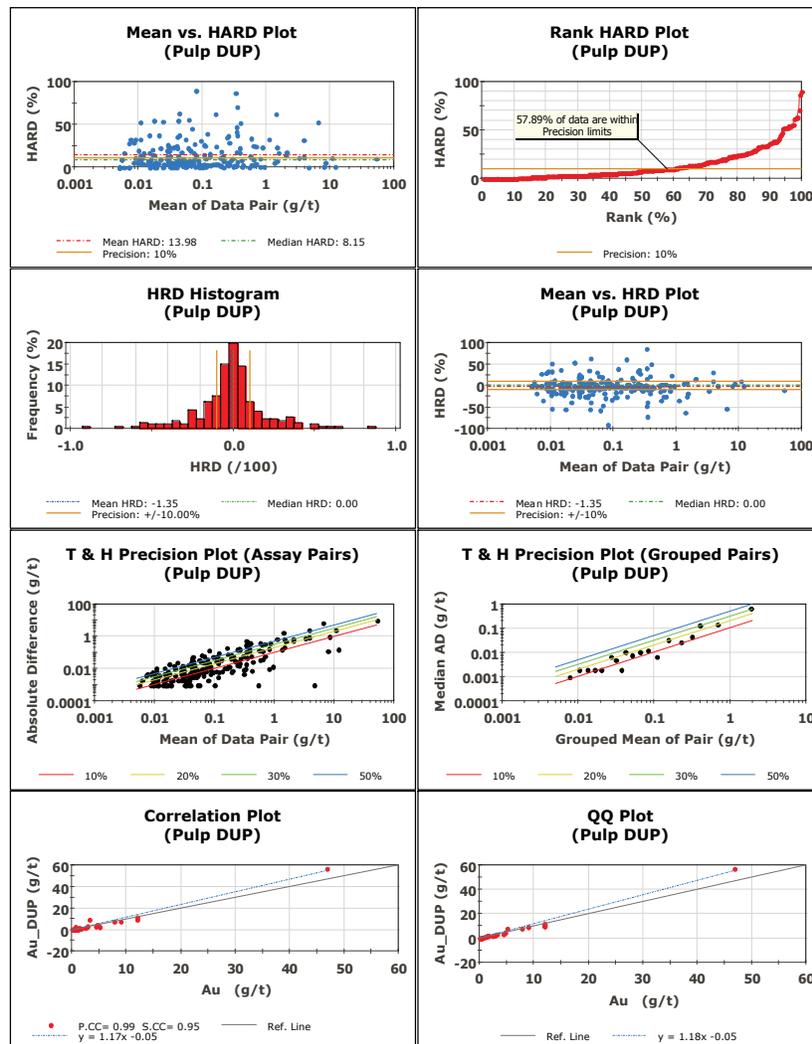
During the drilling program, CIMM laboratory provided two pulps obtained from each sampled interval. MKK personnel recoded all the samples and regularly sent the second pulp of the same sample as pulp duplicate.

The pulp duplicates returned a very poor precision of 58% at 10% HARD. The reasoning behind this is unclear as the prep lab duplicates returned very good precision. Smee (2009) suggested that the re-submitted pulps have been contaminated in some way, possibly due to humidity and/or mixing of pulps. Results of the pulp duplicates are shown in Figure 24.

Figure 24  
Pulp Duplicates

Summary  
(Pulp DUP)

|                           | Au    | Au DUP | Units |              | Result |
|---------------------------|-------|--------|-------|--------------|--------|
| No. Pairs:                | 228   | 228    |       | Pearson CC:  | 0.99   |
| Minimum:                  | 0.01  | 0.01   | g/t   | Spearman CC: | 0.95   |
| Maximum:                  | 46.74 | 57.19  | g/t   | Mean HARD:   | 13.98  |
| Mean:                     | 0.63  | 0.69   | g/t   | Median HARD: | 8.15   |
| Median:                   | 0.05  | 0.05   | g/t   | Mean HRD:    | -1.35  |
| Std. Deviation:           | 3.40  | 4.03   | g/t   | Median HRD:  | 0.00   |
| Coefficient of Variation: | 5.38  | 5.82   |       |              |        |



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Page 1

It was recommended that pulps that are re-submitted should be sealed in plastic bags then re-pulverised to homogenise the material and screen/ sizing tests completed prior to analysis. Coffey also recommended pulverization to 200# (not 150#). These recommendations were carried out early in the program.

For every work order, the CIMM laboratory selected five to eleven sample pulps to be re-analysed. Coffey has reviewed the pulp duplicate results as performed by the CIMM laboratory. A total of 722 pulp duplicates have been analysed by CIMM as part of their internal quality control. Results have been observed by Coffey as returning excellent precision.

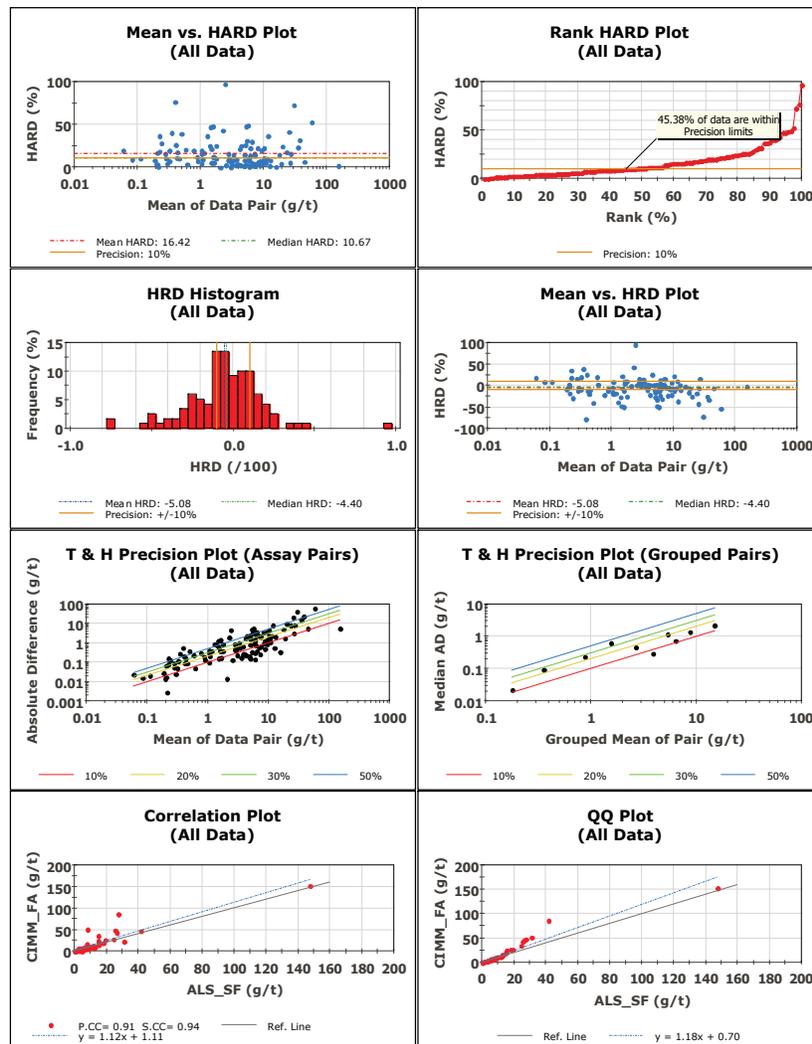
No CIMM laboratory standards or blank data has been reviewed by Coffey.

MKK completed a total of 119 screen fire assays to compare the CIMM Fire assays against ALS Chemex Screen Fire assays. The results presented in the Figure 25 show very poor precision between the two, with 49% passing 10% HARD.

Figure 25  
ALS Chemex Screen Fire versus CIMM Fire Assay (pulps)

Summary  
(All Data)

|                           | ALS SF | CIMM FA | Units |              | Result |
|---------------------------|--------|---------|-------|--------------|--------|
| No. Pairs:                | 119    | 119     |       | Pearson CC:  | 0.91   |
| Minimum:                  | 0.07   | 0.05    | g/t   | Spearman CC: | 0.94   |
| Maximum:                  | 147.50 | 153.00  | g/t   | Mean HARD:   | 16.42  |
| Mean:                     | 6.76   | 8.69    | g/t   | Median HARD: | 10.67  |
| Median:                   | 3.46   | 3.64    | g/t   | Mean HRD:    | -5.08  |
| Std. Deviation:           | 14.70  | 18.08   | g/t   | Median HRD:  | -4.40  |
| Coefficient of Variation: | 2.17   | 2.08    |       |              |        |



The correlation plot indicates that the CIMM laboratory has returned a positive bias for gold values over approximately 10g/t Au, suggesting that coarse gold is an issue with the higher values returned. It should be noted that the ALS Chemex samples were not assayed with a gravimetric finish which could also attribute a bias to this dataset.

Coffey would recommend that MKK undertake systematic representative screen fire assaying of potentially 10% of the current mineralized dataset (>1g/t Au) be undertaken to develop a larger dataset. This will develop a clearer picture. This is in the process of being implemented.

Coffey has identified a number of issues with the current quality control data supplied by MKK, with their own standards and pulp duplicates failing poorly and no systematic re-assay of failed batches being presented to Coffey. It should be noted though, that Smee (2009) identified potential contamination of the pulps due to balling of the pulps and humidity issues which have potentially affected the homogeneity of the pulps and resulted in the poor precision.

The Screen Fire assays by ALS Chemex have suggested coarse gold will be an issue and Coffey has recommended that a larger dataset be attained by carrying out additional screen fire assays.

There are still issues with the precision of the field duplicates. One meter sampling has been recommended to MKK on numerous occasions but has yet to be systematically applied. The gold mineralization is not visually identifiable and the practice of selective sampling is not effective. One meter sampling in the mineralized zone has been implemented.

## **Drilling**

Two drill rigs have been active since October 2008 and, as of March 2010, over 80 diamond holes have been completed for over 30,000 meters of drilling.

The method used for drilling at Ollachea has been diamond core (“DC”) drilling by a drilling company, MDH SAC, using standard wireline diamond drilling of HQ diameter then reducing to NQ as ground conditions and depth extent dictate. Core recovery has been very good except in large fracture zones.

Drillholes have generally been drilled to the south at between 60 to 70 degrees dip. Holes have been targeted to perpendicularly intersect the main trend of mineralization but given the access to deeper sections of mineralization the intersections are often oblique to mineralization.

The Minapampa zone has been drilled at a nominal spacing of 60m to 60m for the inferred resource estimate.

Drillhole collars were surveyed by MKK surveyors using total station. Survey accuracy is reported as +/-0.5m. Downhole surveys have been undertaken by the contract driller utilising a Reflex single shot survey tool.

HQ and NQ diameter diamond core was sampled on an average length of 2m. Coffey recommended that sample interval be reduced to 1m; MKK has implemented this practice.

The core was split using a diamond core saw. Samples were numbered and collected in individual plastic bags with sample tags inserted inside. Coffey noted that the chain of custody was noted to be very good with the remaining half core currently stored within refrigerated containers. Coffey also reported that the core mark-up and sampling has been conventional and appropriate.

Diamond core has been, and continues to be, logged in detail for geological, structural and geotechnical information, including RQD and core recovery. Whole core has been routinely photographed. Review by Coffey of selected geological logs against actual core showed no significant discrepancies or inconsistencies.

Diamond core chip logging has been conventional and appropriate.

The October 2009 inferred resource estimates reflect 49 drill holes for a total of 15,400m of drilling with drill assay data up to and including hole DDH09-61. Coffey has also reviewed the additional infill and extensional drilling that is currently underway by MKK. This includes drilling and assay results up to and including DDH09-80.

The infill drilling phase has not been completed and as such a new resource estimate is not practical until this phase of drilling is complete. Coffey has reviewed the latest drilling in relation to the current estimate and concludes that the current drilling will effectively allow a more detailed interpretation to be undertaken which will result in an increase in the resource classification confidence.

Significant results from the recent drilling includes hole DDH 09-62 with 2m at 9.98g/t Au from 302m and 2m at 22.04 from 316m ; DDH09-64 with 19m at 2.5g/t Au from 309m DD09-67 with 25m at 2.54g/t Au from 266, DD09-74 with 6m at 3.59 from 250m and 20m at 2.98g/t Au, from 302m and DD09-79 with 10m at 1.91g/t Au from 192m.

The drilling results have been modelled by Minera IRL and Coffey and have identified 7 “lenses” that hang together in the Minapampa zone. Most of these lenses are open along strike and/or down dip.

### **Sampling, Analysis and Security of Samples**

Gold assay procedures by the CIMM laboratory are of industry standard. Fire assaying is used with atomic absorption spectrometry finish. Outside consultants reviewed the Company's procedures at regular intervals.

Reference material is retained and stored on site, including half-core and photographs generated by diamond drilling, and duplicate pulps and residues of all submitted samples. All core and pulps are stored at the MKK base in Juliaca City, in refrigerated containers, to preserve the sulphides.

## Mineral Resource and Reserve Estimates

Coffey has estimated the Mineral Resource for the Ollachea Project as at 6 October 2009. All grade estimation was completed using Ordinary Kriging (“OK”) for gold. Seven high grade domains have been interpreted using north-south oriented, vertical transversal sections based on grade information and detailed geological observations.

The Ollachea resource estimate is based on DC drilling. The estimate contains 63 DC holes totalling 22,240.15m. The estimate contain assay data up to and including hole DDH09-61.

A total of 678 bulk density determinations have been collected from the DC campaign and used as the basis for tonnage reporting. The samples were used to give an average in-situ dry bulk density of 2.80 g/cm<sup>3</sup>.

The interpretation and wireframe models have been developed using the Gemcom Surpac mine planning software package.

For the purpose of resource estimation, seven main high grade mineralized domains were interpreted and modeled on a lower cut off grade of 1.0g/t Au. A top cut was established at 50g/t based upon a statistical analysis by Coffey. Figure 26 illustrates the discrete domains, or lenses.

**Figure 26**  
**Lenses dipping at 45 to 60 degrees**

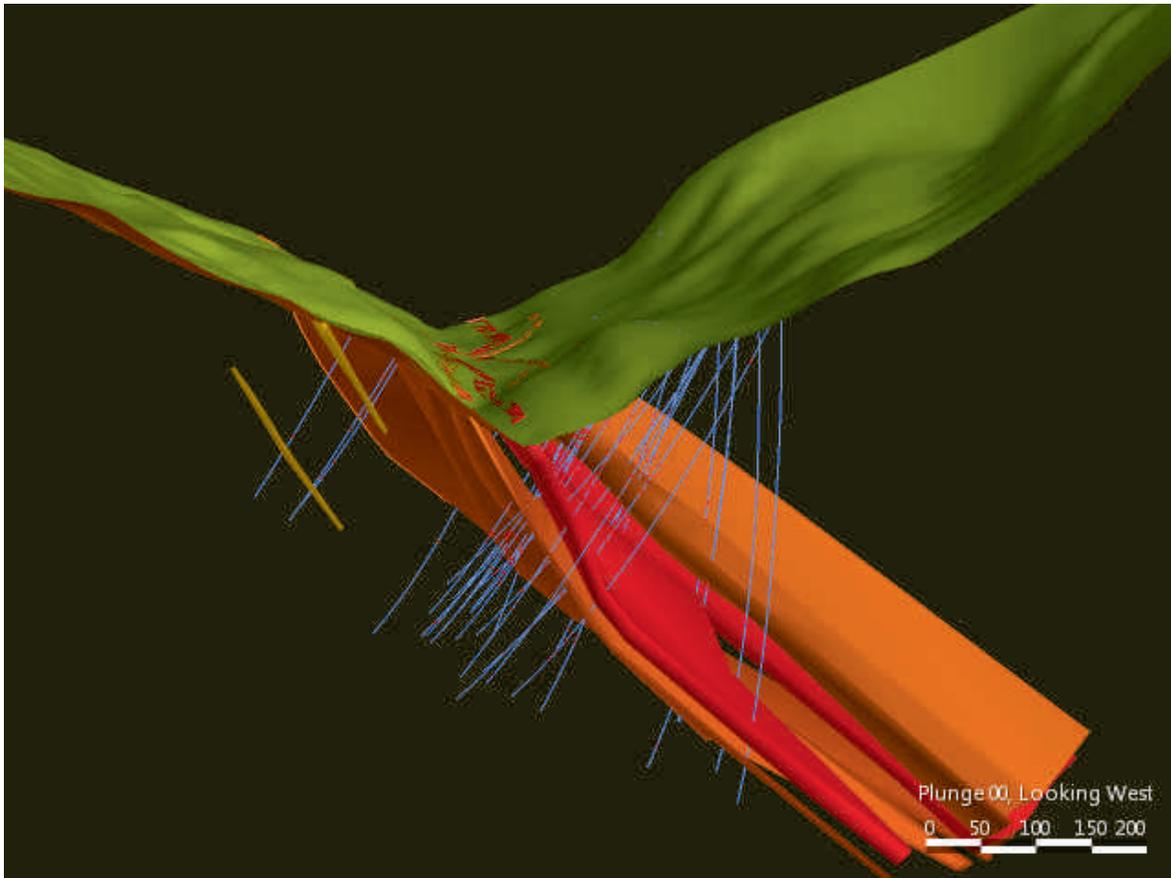


Table 5 illustrates the cut off relationship. Based upon scoping study cost estimates, a 2.5g/t cut off was used at this stage giving 8.9 million tonnes grading 4.5g/t containing 1.277 million ounces.

**Table 5**  
**Ollachea Gold Project**  
**Grade Tonnage Report – Mineral Resource (as of 6 October 2009)**  
**Ordinary Kriging Estimate**  
**20mE x 30mN x 4mRL Selective Mining Unit**

|                              | <b>Lower Cut-off<br/>Grade<br/>(g/t Au)</b> | <b>Million<br/>Tonnes</b> | <b>Average Grade<br/>(g/t Au)</b> | <b>Contained Gold<br/>(Kozs)</b> |
|------------------------------|---|---------------------------|-----------------------------------|----------------------------------|
| Inferred Mineral<br>Resource | 0.0   | 13.64                     | 3.59                              | 1,574                            |
|                              | 0.5   | 13.62                     | 3.59                              | 1,574                            |
|                              | 1.0   | 13.51                     | 3.62                              | 1,571                            |
|                              | 2.0   | 11.38                     | 3.98                              | 1,456                            |
|                              | <b>2.5</b>                                  | <b>8.91</b>               | <b>4.50</b>                       | <b>1,277</b>                     |
|                              | 3.0   | 6.55                      | 5.06                              | 1,067                            |
|                              | 5.0   | 2.11                      | 7.81                              | 531                              |

An infill drilling programme is underway by MKK to increase the drill density and resource confidence. This second phase of drilling is scheduled to be completed in September 2010. Coffey has reviewed the additional drilling to date and concludes the new holes will increase the confidence in the current interpretation.

There are no mineral reserves which can be disclosed from the inferred resources presented in Table 5. Nonetheless, as part of a preliminary assessment, a scoping study was completed by Coffey and the mining inventory was estimated, for the purpose of this study, to be 8.2Mt at 4g/t head grade for a possible recoverable production of approximately 1.0Moz.

It must be noted that the study is preliminary in nature, it includes solely Inferred Mineral Resources that are considered too speculative geographically to have the economic considerations applied to them that would enable them to be categorized as Mineral Reserves. There can be no certainty that the preliminary assessment as estimated in the study will be realized. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.

### **Metallurgy**

An initial metallurgical testwork program for the Ollachea Project has been undertaken by Kappes Cassiday and Associates in Reno, Nevada.

Five composite samples were compiled for the testwork program in early 2009 and were considered representative of the mineralization intersected by the drillholes used at the time.

Elemental analysis was presented on one composite which did not indicate any problematic elements other than silver, arsenic and carbon. The silver content was generally one tenth of the gold grade but can be moderately elevated (5.6g/t) which may impact on the carbon-in-leach (“CIL”) and elution operations. The arsenic grade was shown to be ~2,000ppm but was not seen to adversely affect leach recoveries and the total carbon content was ~1.2%. Whilst this is not considered to be abnormally high, there appears to be a strong preg-robbing nature in the mineralized zone which is minimised via CIL processing versus carbon-in-pulp (“CIP”) processing. No organic carbon assays were carried out.

Comminution testing indicates that the deposit is amenable to ball milling and that wear rates will not be an issue as the abrasion indices are expected to be medium in nature.

The gold is generally fine grained. However, the amount of gravity gold recovered from metallurgical testwork suggests that some coarse gold is present. Testwork showed a moderate gravity gold recoverable content and a gravity gold circuit is recommended to recover this gold.

Recoveries using CIL ranged from 81% to 95% extraction after 36 hours. The cyanide consumption has been projected at 1.5 kg/t. Lime consumption is moderate at 0.9 to 1.5kg/t.

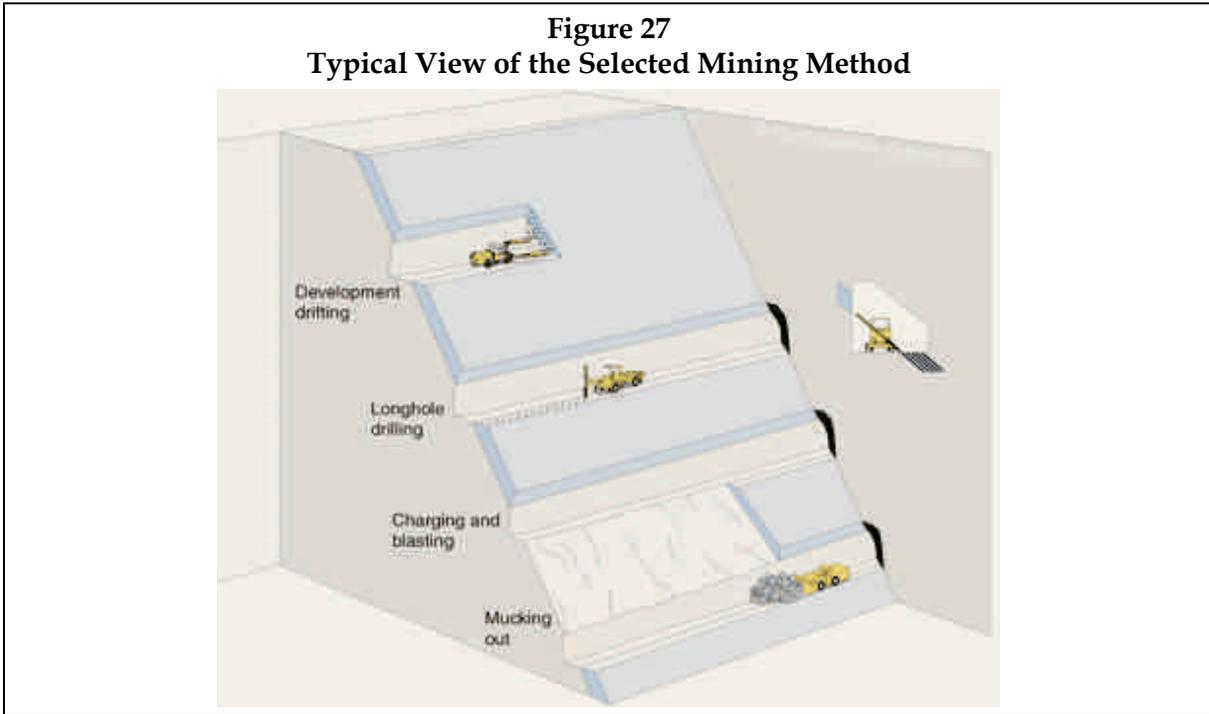
### **Scoping Study**

The scoping study was produced by Coffey and dated November 2009.

Based upon the drilling and other technical studies including the minable inventory from the inferred resource, the scoping study culminated in an early stage business plan and financial model. A mining and treatment rate of 1 million tonnes per annum was selected giving gold production which averaged 117,000 ounces per annum over a projected 9 year mine life.

Mining will be all by underground methods. The dip and thickness of the 7 mineralized lenses thus far identified lends itself to mechanized underground mining using the “sublevel stoping with fill” method as shown in Figure 27.

**Figure 27**  
**Typical View of the Selected Mining Method**



Geotechnical studies indicates that stopes that are 30m in length and 26m in height along the dip could be considered to be stable subject to the application of cable bolting to the exposures.

As the basis of the shapes for selecting the mining method, the mineralization envelopes created at a cut-off grade of 1.0g/t of gold were used.

The resource extends in the east-west direction about 680m and is still open at both ends. It is about 530m vertically, with over 90% of the tonnes in the upper 325m section. In the north-south direction the deposit covers about 350m. The lenses dip at an average of 50° to 55° to the north. The thickness is irregular and varies from 2m to more than 25m, in some areas; the average thickness is estimated to be 7m.

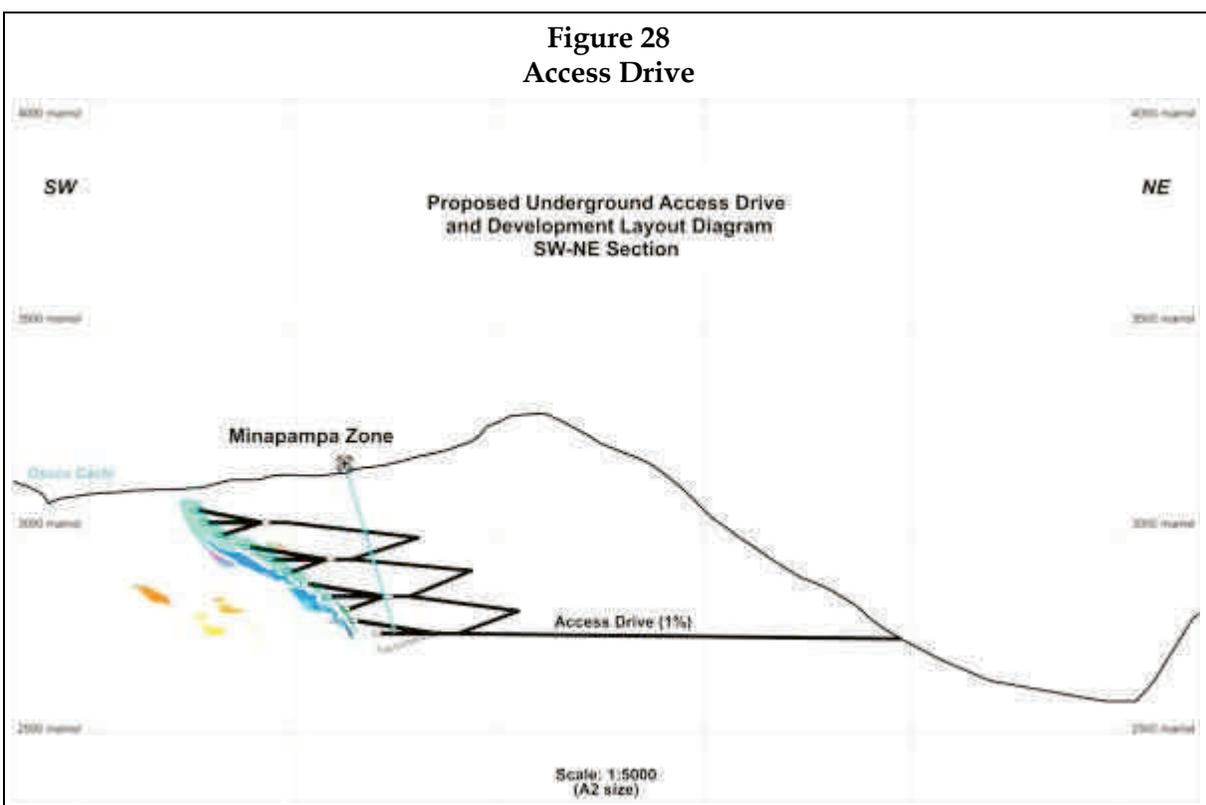
The stopes are designed to be mined with longitudinal accesses and do not extend high vertically, with sublevels kept at only 15m distance from floor to floor in the vertical axis; stopes are 30m long in the horizontal axis.

The mountainous area of Ollachea provides the opportunity to access the mine by means of an access drive about 1.3km long from the proposed plant site situated in an adjoining valley, through the mountain located towards the north. Figure 28 presents a sketch of the access drive. This access drive will be developed during the exploration period to serve as an exploration drive which will allow drilling of deep down-dip extensions of the mineralized ore-bodies that are currently not easily accessible from the northern mountain side. The drive will

then be converted to a tramming drive for ore production, and transport of personnel and materials.

The development schedule has been based on the use of 3 jumbos at an advance rate of 120m/month. Bolting is carried out with 2 mechanised bolters and 2 scissor lift teams with air legs and stopers as backup. The equipment used for loading and transport will be the same as for production. It has been assumed for costing that about 25% of the development will be shotcreted, both in ore and waste.

Mining production will be achieved with 3 loaders with a rated payload of 17t and 5 trucks with a rated payload at 45t. The number of units takes into account the requirement for development loading and trucking. The average size of the stopes is 8,000t which make the average number of stopes required per month, about 8 stopes.



An initial assessment of the backfill strength requirements indicated that a minimum unconfined compressive strength of about 1MPa is required to undercut the backfill and an unconfined compressive strength of about 0.35MPa may be needed for vertical stope exposures. Therefore, Coffey estimated that an average of 4.5% w/w cement will be required in the backfill.

The chosen base case processing flowsheet consists of 3 stage crushing followed by a single stage overflow ball mill. The grinding circuit includes one stage of gravity separation followed by intensive leaching of the concentrate. Milled cyclone overflow is treated through a 7 stage CIL circuit prior to unthickened tailings being detoxified then filtered via belt filters. Filtered tails is then made available for mine back fill or dry stack disposal in a tailings storage facility. Loaded carbon from the CIL circuit is stripped in an elution column (“AARL”) with barren regenerated carbon being transported back to the tail of the CIL circuit. Pregnant solutions from the AARL and gravity circuits will be electrowon prior to smelting on site to gold doré bars.

### **Capital Cost**

The estimated capital costs for the Ollachea Project are summarised in Table 6. Initial capital totals US\$156.8M, including a contingency of US\$26.1M. The initial mining capital cost reflects only the first year of waste development and pre-production ore development. In addition to the initial capital investment, a sustaining capital of US\$4.0M is included on a yearly basis as well as a US\$5.0M closure plan allowance at the end of the mine life. No contingencies have been added to the sustaining capital cost and closure cost in the financial model.

**Table 6**  
**Ollachea Gold Project**  
**Capital Cost Summary (2009\$)**

| <b>Project Capital Cost</b> | <b>Amount<br/>US\$M</b> | <b>Contingency<br/>(20%)</b> | <b>Total</b> |
|-----------------------------|-------------------------|------------------------------|--------------|
| Mining                      | 8.0                     | 1.6                          | 9.6          |
| Mining Equipment            | 41.5                    | 8.3                          | 49.8         |
| Processing Plant            | 62.4                    | 12.5                         | 74.9         |
| Infrastructure              | 11.0                    | 2.2                          | 13.2         |
| Tailings                    | 2.0                     | 0.4                          | 2.4          |
| Backfill                    | 5.8                     | 1.2                          | 7.0          |
| <b>Total</b>                | <b>130.7</b>            | <b>26.1</b>                  | <b>156.8</b> |

| <b>Ongoing Capital Cost</b> | <b>Amount<br/>US\$M per a</b> | <b>Contingency<br/>(0%)</b> | <b>Total</b> |
|-----------------------------|-------------------------------|-----------------------------|--------------|
| Mine Development            | 1.4                           |                             | 1.4          |
| Mining Equipment            | 2.6                           |                             | 2.6          |
| <b>Total</b>                | <b>4.0</b>                    |                             | <b>4.0</b>   |

| <b>Closure Cost</b>          | <b>Amount<br/>US\$M per a</b> | <b>Contingency<br/>(0%)</b> | <b>Total</b> |
|------------------------------|-------------------------------|-----------------------------|--------------|
| Closure/Rehabilitation Costs | 5.0                           |                             | 5.0          |
| <b>Total</b>                 | <b>5.0</b>                    |                             | <b>5.0</b>   |

The operational costs are divided into fixed and variable costs, and include mining, processing and general and administration (“G&A”). Table 7 presents a summary of the operational costs.

**Table 7**  
**Ollachea Gold Project**  
**Operational Costs Summary (2009\$)**

| Site Operating Cost | Fixed<br>(US\$Mpa) | Variable<br>(US\$/t) | Total at Steady<br>State<br>(US\$/t) | LOM Average<br>(US\$/t) |
|---------------------|--------------------|----------------------|--------------------------------------|-------------------------|
| Mining              | 2.31               | 19.77                | 22.08                                | 22.20                   |
| Processing          | 4.87               | 14.63                | 19.50                                | 19.75                   |
| G&A                 | 3.87               | 0.0                  | 3.87                                 | 4.07                    |
| <b>Total</b>        | <b>11.05</b>       | <b>34.40</b>         | <b>45.45</b>                         | <b>46.02</b>            |

The input parameters for the financial analysis are as follow:

- The mining inventory is estimated to be 8.2Mt at 4g/t head grade for 1.1M contained ounces. The mining and processing rate has been set to 1.0Mtpa with a ramp-up period of 70% during the first year. The processing recovery is estimated at 91.2% for the life of mine.
- Base case metal prices used in the model are US\$850 per ounce of gold and US\$12 per ounce of silver.
- The life of the Ollachea Project and steady state unit production cost per ounce are summarised in Table 8.
- The financial model includes Peru Government Royalty, a Vendor Royalty, Income tax and Workers' Profit Participation. The Peruvian Taxation System IGV (sales tax) ("IGV") has been excluded due to the activity of the Ollachea Project. Being export of goods, IGV is assumed to be immediately recoverable, consistent with Peruvian established practice.

**Table 8**  
**Ollachea Gold Project**  
**Unit Cost of Production per Ounce**  
**(2009\$)**

| <b>Parameter</b>                  | <b>Steady State Cost<br/>(US\$/oz Au)</b> | <b>LOM Average Cost<br/>(US\$/oz Au)</b> |
|-----------------------------------|---|--|
| Mining                            | 188                                       | 190                                      |
| Processing                        | 167                                       | 169                                      |
| G&A                               | 33  | 35                                       |
| <b>Total Site Operating Costs</b> | <b>388</b>                                | <b>393</b>                               |
| Refinery Charge                   | 6   | 6  |
| Silver credit                     | (0.4)                                     | (0.4)                                    |
| <b>Mine Cash Operating Cost</b>   | <b>394</b>                                | <b>399</b>                               |
| Royalties                         | 20  | 20                                       |
| <b>Total Production Costs</b>     | <b>414</b>                                | <b>419</b>                               |

Results of financial analysis include:

- The pre-tax (including Workers' Profit Participation) and post-tax results of the financial analysis are summarised in Table 9 and Table 10. The financial analysis shows promising returns for the Ollachea Project.
- Sensitivity analysis was carried out on gold price and gold head grade, operating cost and capital cost as well as minable tonnes and throughput.
- As with most gold projects, revenue is the most sensitive element of this study. The Ollachea Project return breakeven point of gold price for the net present value ("NPV") at 8% real is a US\$710/oz Au, whereas the internal rate of return ("IRR") reaches zero when the price of gold is US\$614/oz. Once operating, the Ollachea Project is cash cost positive above \$400 per ounce. Table 10 illustrates the effect on cash flow, NPV and IRR for a range of gold prices from \$700/oz to \$1,200 per ounce.
- The effect of the operating cost on the Ollachea Project's financial outcomes is the next most important project driver after gold price and head grade. Although the capital cost has a significant influence, its impact is less than the operating cost.
- The effect of minable inventory and throughput is the least important of the items analysed. Current drilling by MKK outside the limits of the Minapampa mineralized zone has indicated the potential for additional resources.

| <b>Table 9</b>                                 |                |                 |
|--|----------------|-----------------|
| <b>Ollachea Gold Project</b>                   |                |                 |
| <b>Project IRR, NPV and Payback</b>            |                |                 |
| <b>Parameter</b>                               | <b>Pre Tax</b> | <b>Post Tax</b> |
| LOM Cash flow                                  | US\$221.0M     | US\$147.7M      |
| IRR (real)                                     | 22.4%          | 17.4%           |
| NPV at 7% real                                 | US\$113.9M     | US\$67.3M       |
| NPV at 8% real                                 | US\$102.5M     | US\$58.7M       |
| Payback period from commencement of production | 3.7 years      | 4.0 years       |

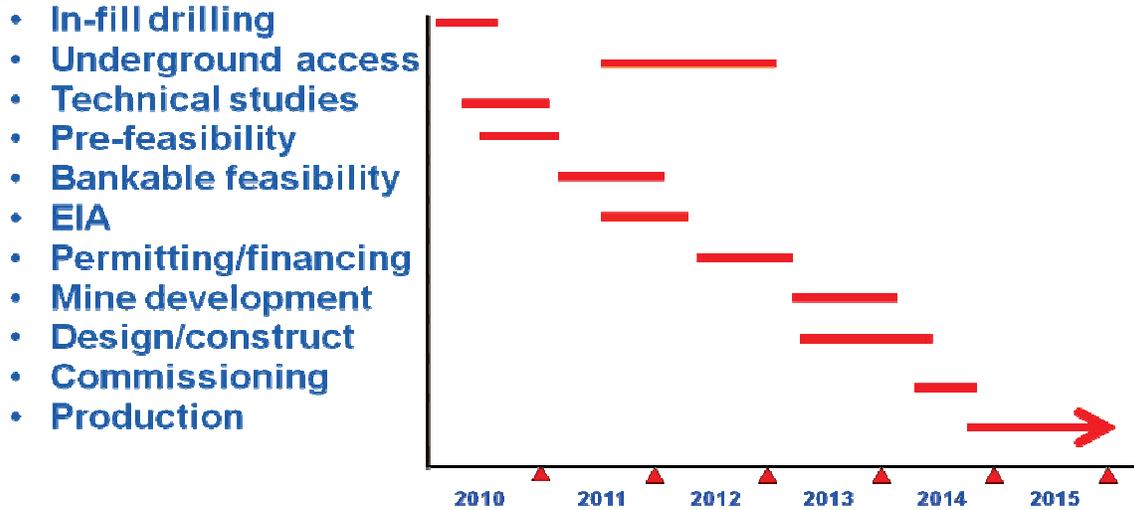
| <b>Table 10</b>               |                |                          |                          |                  |                          |                          |
|-------------------------------|----------------|--------------------------|--------------------------|------------------|--------------------------|--------------------------|
| <b>Ollachea Gold Project</b>  |                |                          |                          |                  |                          |                          |
| <b>Gold Price Sensitivity</b> |                |                          |                          |                  |                          |                          |
| <b>Gold Price<br/>US\$/oz</b> | <b>Pre-Tax</b> |                          |                          | <b>After-Tax</b> |                          |                          |
|                               | <b>IRR</b>     | <b>NPV @ 8%<br/>Real</b> | <b>LOM Cash<br/>Flow</b> | <b>IRR</b>       | <b>NPV @ 8%<br/>Real</b> | <b>LOM Cash<br/>Flow</b> |
| 700                           | 9.4%           | 8.7                      | 81.2                     | 7.3%             | -4.0                     | 57.6                     |
| 800                           | 18.3%          | 71.2                     | 174.4                    | 14.3%            | 38.3                     | 117.7                    |
| <b>850</b>                    | <b>22.4%</b>   | <b>102.5</b>             | <b>221.0</b>             | <b>17.4%</b>     | <b>58.7</b>              | <b>147.7</b>             |
| 900                           | 26.2%          | 133.8                    | 267.7                    | 20.3%            | 78.9                     | 177.7                    |
| 1000                          | 33.5%          | 196.3                    | 360.9                    | 25.8%            | 119.4                    | 237.7                    |
| 1100                          | 40.4%          | 258.5                    | 453.5                    | 31.0%            | 159.5                    | 297.4                    |
| 1200                          | 46.9%          | 320.4                    | 545.8                    | 35.8%            | 199.4                    | 356.8                    |

It must be noted that the scoping study is preliminary in nature, it includes solely Inferred Mineral Resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as Mineral Reserves, and there is no certainty that the preliminary assessment as estimated in the scoping study will be realized.

## **Development**

Figure 29 is a summary development scenario through to production which is targeted for 2014.

**Figure 29**  
**Summary development objective for Ollachea**



During 2010 in-fill drilling will provide the spacing of assay information to upgrade the resource to Measured and Indicated categories, required to advance to minable reserves. Simultaneously, additional technical studies such as geotechnical and metallurgical, will be carried out. The pre-feasibility study is scheduled for completion in late 2010 or early 2011. Assuming that this is positive, the study will be elevated to a full bankable feasibility study which will take approximately another 12 months and involve final detailed work including preliminary engineering and more accurate capital and operating cost estimates. During this process a production-sized exploration tunnel will be driven into the Minapampa zone. This will have the benefit of providing access for underground drilling to further explore the open ended mineralization to the east and down dip.

Information from the environmental baseline study and the feasibility study will be used to produce an Environmental Impact Assessment which will, in turn, be used for the permitting of the mine development. Once permitting and financing is in place, plant and infrastructure construction and underground development can commence. With construction and commissioning complete, the mine is expected to be operating at designed rates by mid 2014.

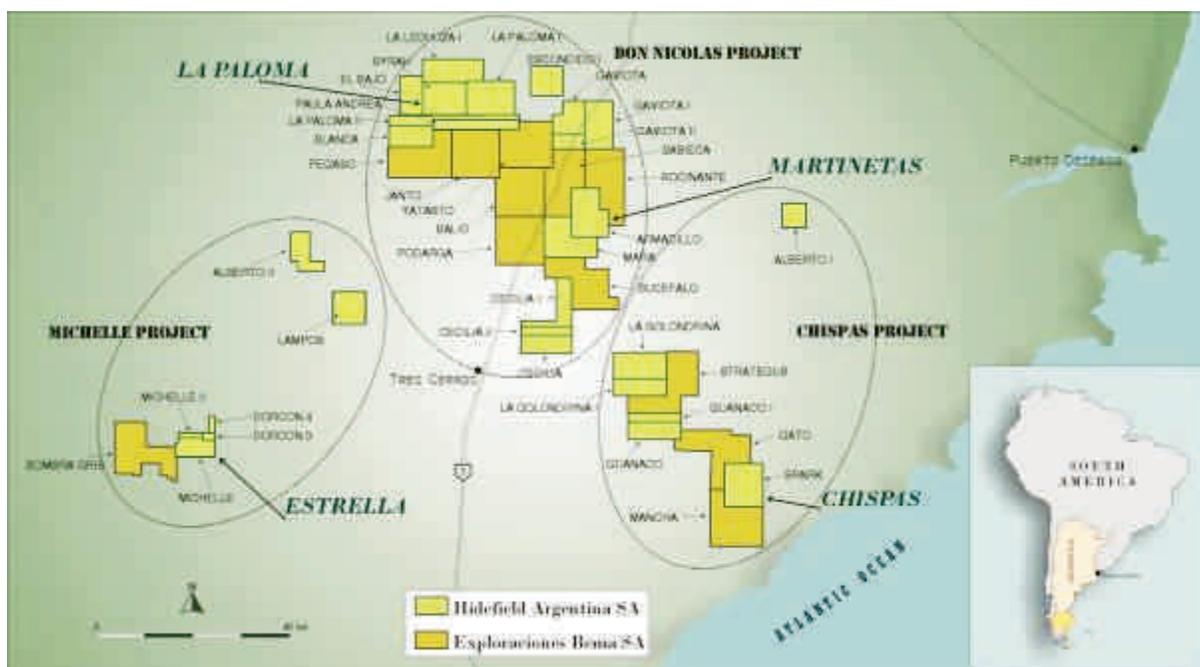
### 4.3 Don Nicolàs

The following summary is taken from the technical report entitled “Technical Report on the Don Nicolàs Gold Project, Argentina” (the “Don Nicolàs Report”) dated 1 April 2010. This summary is not complete and the full Don Nicolàs Report can be accessed on the Company’s SEDAR profile at [www.sedar.com](http://www.sedar.com).

## Project Description and Location

Minera IRL acquired, through a Scheme of Arrangement, Hidefield, an AIM listed company, in December 2009. The principal asset of Hidefield was a large exploration holding in the Deseado Massif in Patagonia. The Don Nicolàs Project (100% owned) is situated within this land package and contains approximately 360,000 ounces of gold in a combination of Indicated and Inferred resources. The two main mineralized areas of Don Nicolàs are La Paloma and Martinetas approximately 40km apart. The Don Nicolàs Project is now the subject of a feasibility study which is expected to be completed during the first half of 2011. Consultance Runge Limited carried out the NI 43-101 reporting.

The Don Nicolàs Project is located in Santa Cruz Province, Argentina (see Figure 30). The project area is centred at latitude 48°00'S and longitude 67°30' W approximately 100 km inland from the South Atlantic Ocean.



**Figure 30 – General Location of the Don Nicolàs Gold Project**

The total tenement coverage is 266,316 ha pursuant to 57 exploration licenses.

Three royalties apply to all or part of the Don Nicolàs Project. These are:

- An ad valorem provincial royalty of up to 3% of mine mouth value will be payable, however the details are yet to be negotiated with the provincial government.

- A 2% NSR reserved to Royal Gold Inc., pursuant to agreements dated 1 February 2000 and 1 January 2002, with Yamana Gold Inc. (“Yamana”) and associate companies. The first applies to those licenses covering all of the Martinetas resource areas as well as key licenses covering the prospective Microondas, Chispas, Golondrina, Estrella, and Chispas licenses. The latter covers the former Syrah cateo now making up the La Paloma project area. Runge has been advised that it would be a meticulous job ascertaining the precise areas of royalty coverage because of the license reductions, re-applications and adjacent acquisitions over the last few years but has been advised by Hidefield that all of the key resource areas and priority targets outside Martinetas and La Paloma are covered.
- A US\$3.00/ounce gold royalty to a cap of US\$2,000,000 payable to Yamana. This is applicable to all of the current resource areas and, effectively, those key licenses covered by the Royal Gold Inc. agreement.

In addition to these mineral rights, Hidefield holds the freehold rights to the El Condor and Bema estancias and is in the process of purchasing the La Paloma estancia covering Sulfuro (see Figure 32).

#### **Accessibility, Climate, Local Resources, Infrastructure and Physiography**

The project area is located on the eastern Patagonian plains and is generally characterised by flat to gently undulating landforms dissected occasionally by incised valleys. Some prospect areas exhibit hilly terrain, but this does not impede easy access to the entire project area.

Vegetation is sparse and dominated by grasses and low shrubs.

The project area remains covered by a fine layer of volcanic ash arising from the 1991 eruption of Cerro Hudson, located approximately 450km north east in Chile. Prior to this eruption, cattle and sheep grazing predominated, however the pastoral industry has not recovered from the effects of the ash blanket and the area is now largely uninhabited.

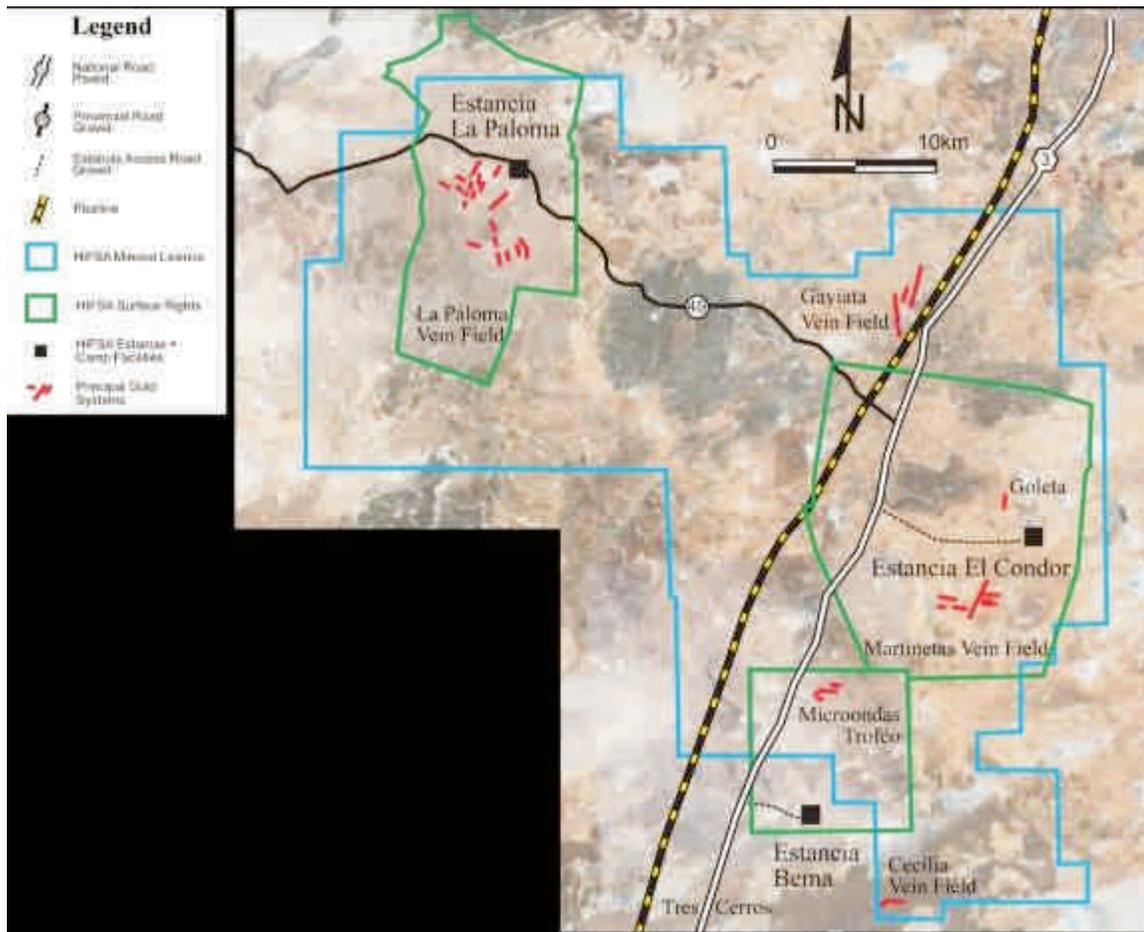


**Figure 31 – Hilly Landform (Sulphuro Prospect)**

The Patagonian plains of southern Argentina endure strong westerly winds that persist throughout most of the year, and particularly during the summer months. Annual precipitation is from 180mm to 300mm, with occasional heavy snow falls in the winter.

The Don Nicolás Project is easily reached from the coastal port city of Comodoro Rivadavia, which is serviced daily by commercial jet flights from Buenos Aires approximately 1,750km to the north. Comodoro Rivadavia is a regional centre of approximately 140,000 population that services the Argentine oil and gas industry.

From Comodoro Rivadavia, the Don Nicolás Project is accessed by driving south along the paved National Route 3 for approximately 280km. This road is part of the main north-south road traversing the length of the country and is in reasonable condition (see Figure 31).



**Figure 32 – Don Nicolás Project area showing National Highway 3 and the gas pipeline**

From there, the La Paloma estancia is accessed by turning west onto the unpaved Route 49, and the El Condor and Bema estancias are accessed along private roads approximately 7km and 25km further south directly off National Route 3. Average driving time between Comodoro Rivadavia and the property is about 4 hours.

Access to the various prospects within the project from the estancias is along formed and unformed gravel roads that are generally in very good condition.

The nearest settlements of significance are:

- Puerto Deseado 130km to the east;
- Puerto San Julian 160km to the south; and
- Rio Gallegos (Provincial Capital) 400km to the south west

Basic services and supplies are readily available in Puerto San Julian.

A gas pipeline running parallel to National Route 3 transects the project area. Communication is provided by satellite link, and accommodation and office facilities with domestic power and water services are available at the estancias.

Water exploration in the area targeted at identifying sufficient water to support a mining operation is ongoing, but given the substantial quantities of groundwater present at other mining operations in the district, this expected to yield positive results.

## **History**

Hidefield, through its subsidiary Hidefield Argentina SA, acquired the Don Nicolás Project, in the Patagonia Region of Southern Argentina, from Yamana in late 2005. The project consists of a number of mineral prospects held by cateos, or concessions issued by the government of Argentina, totalling approximately 160,000ha, as well as surface ownership of three sheep ranches or estancias (Ea. Bema Ranch, Ea. El Condor, and Ea. La Paloma). The cateos cover a variety of targets for gold and silver, which remain essentially unexplored compared to similar showings worldwide.

Gold and silver mineralization at the project was not discovered until modern times. The targets now controlled by Hidefield were originally identified in the early 1990's by studies of satellite imagery, driven by the discovery and subsequent development of the Cerro Vanguardia Gold Mine in the Santa Cruz Province by AngloGold and Fomicruz. Companies conducting initial exploration on the Hidefield cateos include Newcrest Mining Limited, Yamana, a joint venture of Yamana and Rio Algom Ltd, and lastly a joint venture of Yamana, Minas Buenaventura SA, and Mauricio Hochschild SA. Past exploration included surface sampling, trenching, and limited drilling, both core and percussion. Much of this work targeted large, bulk minable deposits. Only the last joint venture, operated by Buenaventura, looked more carefully for high-grade vein deposits, concentrating on the La Paloma and Martinetas cateos, where the bulk of Hidefield's drilling has been carried out.

Substantial exploration has been undertaken by previous operators at the project since commencement in the 1990's. This has included surface trenching, reverse circulation and core drilling.



**Figure 33 – Martinetas**

### **Geological Setting**

The important gold and silver occurrences in Santa Cruz Province are confined to the Deseado Massif, a 60,000 square kilometre geological block encompassing the northern third of the province. It is comprised largely of a thick sequence of Jurassic-age (130-170ma) rhyolitic volcanic and tuffaceous sedimentary rocks, and is crisscrossed by numerous extensive fault and fracture zones which served as conduits for hydrothermal activities during periods of Jurassic volcanism. The result of this activity is a widespread network of shallow level “epithermal” fissural veins, breccias, and stockwork systems, many of which carry gold and silver minerals. The Don Nicolàs Project is located within the Deseado Massif.

Broad similarities occur between the two main prospect areas of La Paloma and Martinetas. Each are hosted within rhyolitic to andesitic volcanoclastic lithologies which are interpreted to be flat to shallow dipping. Gold occurrences consist of low sulphidation, epithermal mineralization within multiple epithermal vein swarms with minor stockwork development.

At La Paloma, the Sulfuro-Rocio vein system comprises multiple, thin, arcuate and steeply dipping quartz veins. Drilling has defined three resource areas. The Sulfuro vein is the main deposit and is represented by a single, well developed quartz vein typically 2-4m in thickness and has a primarily north-south orientation. Associated sulphide minerals include pyrite. The Ramal Sulfuro vein occurs at the northern end of the main Sulfuro vein and is strongly curved from a north-south orientation to east-west, and is typically 2-4m in thickness. A third vein (Rocio) occurs to the west of the main Sulfuro vein. The Rocio vein is typically 2-5m in thickness and dips steeply to the east. It is arcuate in shape and runs parallel to the Sulfuro veins. A

resource has also been estimated for the Arco Iris prospect at La Paloma. It is represented by a series of narrow, parallel veins with erratic mineralization.

At the Martinetas area, three resource areas have been delineated. The main resource is at the Coyote prospect and comprises a series of narrow, parallel quartz veins varying in width from tens of centimetres to several metres, and typically averaging one metre or less in thickness. Gold mineralization is variable within the veins with some mineralization extending into the host volcanic lithologies.

Other resource areas at Martinetas include the Armadillo and the Cerro Oro prospects. These small deposits are also hosted by very narrow, steep dipping veins and display short strike lengths and erratic gold mineralization.

### **Exploration**

The discovery of surface gold mineralization at the Martinetas prospect led to the commencement of drilling in 1996. Since that time extensive surface trenching as well as various programs of RC and diamond drilling have been completed. The majority of drilling was completed by Yamana between 1996 and 1999. An additional program was carried out in 2003. In 2006, Hidefield commenced drilling and trenching at the project. The program was continued through 2008.

At the La Paloma project, initial drilling was carried out in 1996 by Newcrest Minera Argentina SA (Newcrest). No further drilling was carried out until Yamana resumed exploration in 2003 and drilled a series of holes in that year. Hidefield then acquired the project and commenced drilling in 2006.

All drilling was carried out by drilling contractors. Surface exploration work was conducted by staff and contractors of the operating companies.

Numerous zones of gold mineralization have been identified at the project areas. Systematic exploration of these has continued under the management of Hidefield. Drilling has commenced with the objective of further delineating and extending the known mineralization as part of the feasibility study as well as new exploration throughout the tenement blocks.

### **Mineralization**

The epithermal systems are classic “low sulphidation” type deposits consisting mainly of quartz with adularia and free gold, only small amounts of sulphides, and weak alteration haloes. They may also be associated with anomalous amounts of arsenic, mercury, or antimony. Many of the systems are large and extensive, with individual veins up to several kilometres long and ten or more meters wide.

## **Drilling**

Drilling by Yamana commenced at Martinetas in October 1996. The initial program comprised 20 RC drill holes. This was followed in 1997 by several phases of RC and core drilling for a total of 86 RC and 46 core holes. Yamana completed further programs in 1999 with the drilling of 20 RC and 20 core holes. In 2003, further drilling was carried out by Recursos Yamana S.A. ("RYSA"), a joint venture between Yamana Resources and Cia M Buenaventura. A total of 18 core holes was completed by the RYSA. At the La Paloma project, initial drilling was carried out in 1996 by Newcrest Mining Limited. This work comprised a 12 hole RC program. In 2003, a 14 hole core drilling program was completed by the RYSA joint venture.

Details of procedures used in the historic drilling were not documented in English reports. However, the personnel responsible for the historic work have remained with the project during the various changes in ownership. Runge believe that it is likely that the high quality procedures evident in the Hidefield field programs were also in place for the majority of the historic drilling.

Since acquisition of the project in 2006, Hidefield has carried out drilling programs at a number of prospects throughout the Martinetas and La Paloma Projects. All holes were completed using HQ core drilling from surface.

For drilling completed by Hidefield, drill hole collars were accurately surveyed by contract surveyors using electronic total station equipment. Data was provided to Hidefield in Gauss Kruger coordinates.

The majority of core holes have been down hole surveyed using a single shot Eastman camera. Runge considered this practice satisfactory considering the lack of magnetic host rocks.

A total of 152 holes have been completed by Hidefield at the Don Nicolàs Project. Of these, 85 holes for 11,100m were drilled at La Paloma and 67 holes for 7,743m were drilled at Martinetas. In addition a substantial number of trenches have been completed at each project area.

The mineralization is generally steep dipping and holes drilled from surface are generally not orthogonal to the mineralization. Consequently the true thickness of intersections is generally less than the down hole thickness and typically 60% to 80% of the down hole length.

## **Sampling and Analysis**

Runge reports that work carried out by Hidefield was consistent for all resource areas. No documentation was available for sampling procedures, however a review of the core facilities during the site visit clarified the site cutting and sampling system. Detailed sample preparation and assaying procedures were documented in the 2006 QAQC report by Lynda Bloom of Analytical Solutions Limited.

Runge did not source any documentation on sampling and assaying procedures for Yamana drilling. However, due to the continuity of geological staff between Yamana and Hidefield,

Runge expects a similar high standard of work would have been carried out by Yamana although this could not be verified.

Drill core from Hidefield drilling was transported to the El Condor ranch for processing. The core was photographed then geological logging carried out. Geologists define sample intervals based on geological boundaries with a minimum interval of 0.4m and a maximum interval generally of 1.0m. Core was then cut in half using a diamond saw. Half core samples were then bagged and dispatched for preparation and analysis. The left side of the core was uniformly taken for analysis.

Selective sampling was carried out in many drill holes. This resulted in some portions of the holes remaining unsampled where there was no apparent mineralization.

A number of RC holes drilled by Yamana were included in the resource estimate. No details of drilling or sampling procedures were provided for this work. However, a review of the available data showed that the majority of RC samples were 2m in length. Several holes were sampled at 0.5 intervals and a very small number of samples were taken at 1m and 1.5m intervals.

Drilling conditions were good at the majority of prospects. A weathering profile exists to a depth of 20-50m resulting in the formation of clay rich lithologies. These present some difficulties for core drilling, however core recovery in the oxidised material was considered by Runge to be reasonable.

The narrow nature of many of the mineralized zones required selective sampling based on geological contacts. In most cases, this was vein margins and alteration zone boundaries. Samples were frequently narrow with a minimum length generally of 0.4m. The most common sample length at both La Paloma and Martinetas is 0.5m.

Sample quality from the historic RC drilling is not known. However ground conditions observed at the project area suggest to Runge that no problems should have been encountered at either Martinetas or La Paloma. The RC drilling utilised a face sampling hammer (Yamana, 2001) which would have aided the collection of quality samples.

Sample quality from the core drilling is reflected in the core recovery for the mineralized intersections. Core recovery was recorded for each interval within the database provided by Hidefield. The recovery for samples within the resource intersections was tabulated by Runge. The core recovery for La Paloma is less than satisfactory, with a substantial number of intervals returning less than 90% core recovery in the mineralized zones. Core recovery at Martinetas is reasonable and satisfactory.

### **Security of Samples**

The following information is from Bloom, 2008. Samples were cut and bagged in the core sampling facility constructed on site by Hidefield. Batches of samples were labelled and

packaged by Hidefield staff then shipped by commercial transport companies to the ALS-Chemex laboratory in Mendoza, Argentina for sample preparation. Received samples were weighed and then split using a riffle splitter. Samples were then fine crushed to 70% -2mm or better prior to being pulverised to 85% passing 75 microns or better.

Prepared pulp samples were sent from Mendoza to the ALS-Chemex laboratory at La Serena in Chile. Samples were routinely analysed for Au using a 50g fire assay with AAS finish. Samples with a grade in excess of 5 g/t Au were re-analysed using a gravimetric method.

Exploration samples were routinely analysed for silver using a 50g fire assay with gravimetric finish if results were greater than 100ppm.

Runge considers that the sample preparation and analytical procedures are appropriate for the samples and style of mineralization at Don Nicolás; sample security was typical of that employed at remote exploration sites and is adequate for the programs completed.

### **Mineral Resource and Mineral Reserve Estimates**

Mineralization outlines were created by Runge to reflect the mineralized veins and structures interpreted by Hidefield. The boundaries to the zones were determined using both geological and geochemical criteria. The majority of zones were defined by both drilling and surface trenching. The surface trenching was primarily used as a guide to geometry and continuity of the structures.

Runge reviewed the interpretations by Hidefield geologists then prepared digital outlines using the logged vein margins as the resource boundary unless significant mineralization (usually >0.5g/t Au) occurred outside the veins. These samples were also included in the resource outlines.

No minimum width was used and in many cases, zones of 0.5-1.0m true width were defined. There were numerous areas where resource grade mineralization was not included in the resource outlines due to the lack of supporting geological features, or the lack of support for the zone along strike or up and down dip.

The interpreted sectional outlines were manually triangulated to form wireframes. To form ends to the wireframes, the end section strings were copied to a position midway to the next section and adjusted to match the dip, strike and plunge of the zone. The wireframed objects were validated using Surpac software and set as solids.

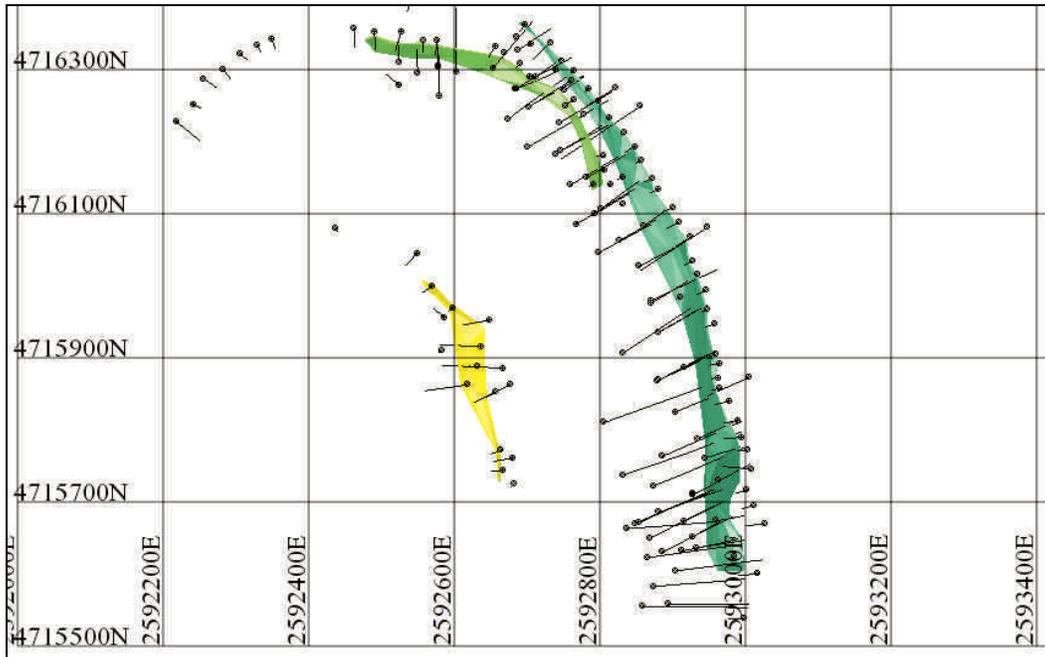


Figure 34 – Plan View of Sulfuro-Rocio Resource Zone Wireframes

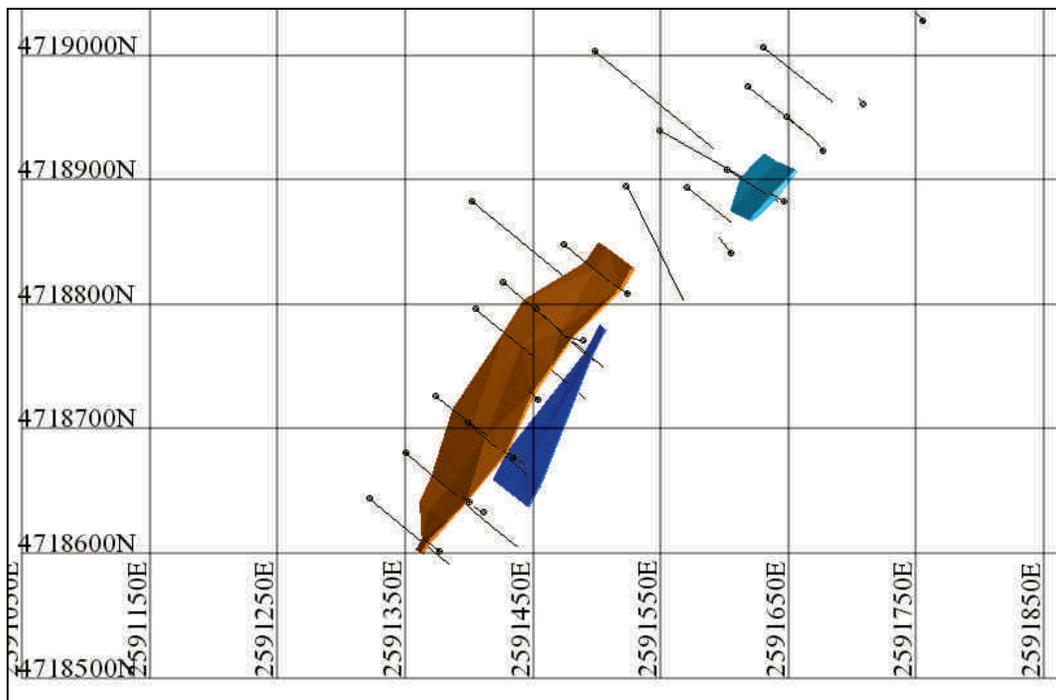


Figure 35 – Plan View of Arco Iris Resource Zone Wireframe

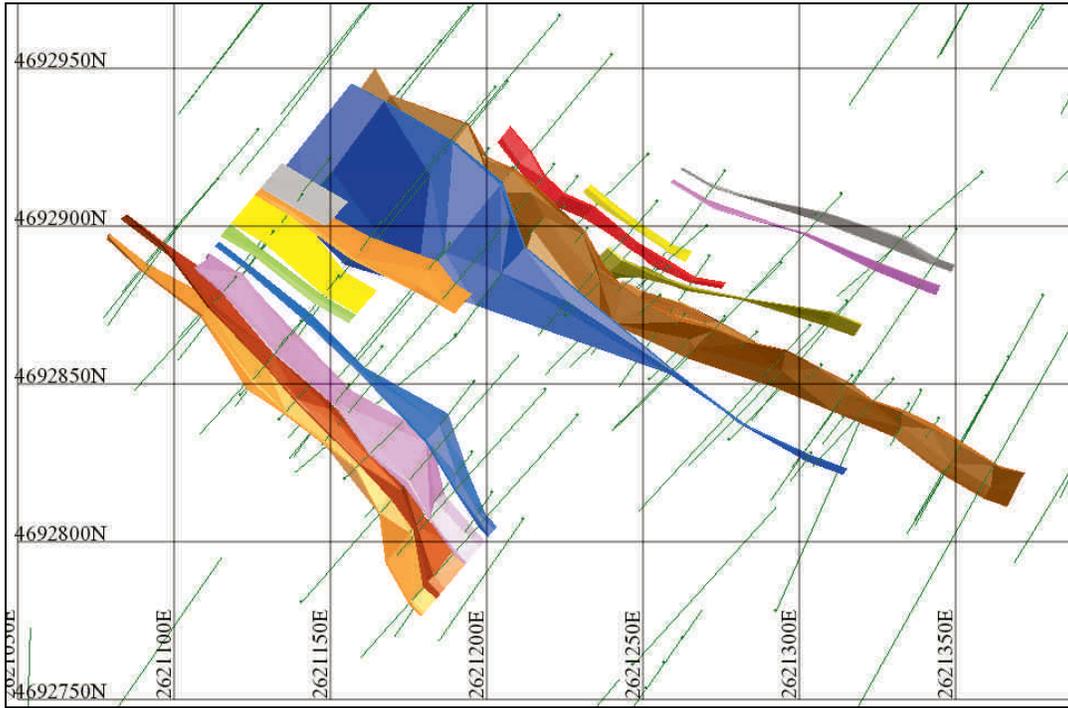


Figure 36 – Plan View of Coyote Resource Zone Wireframes

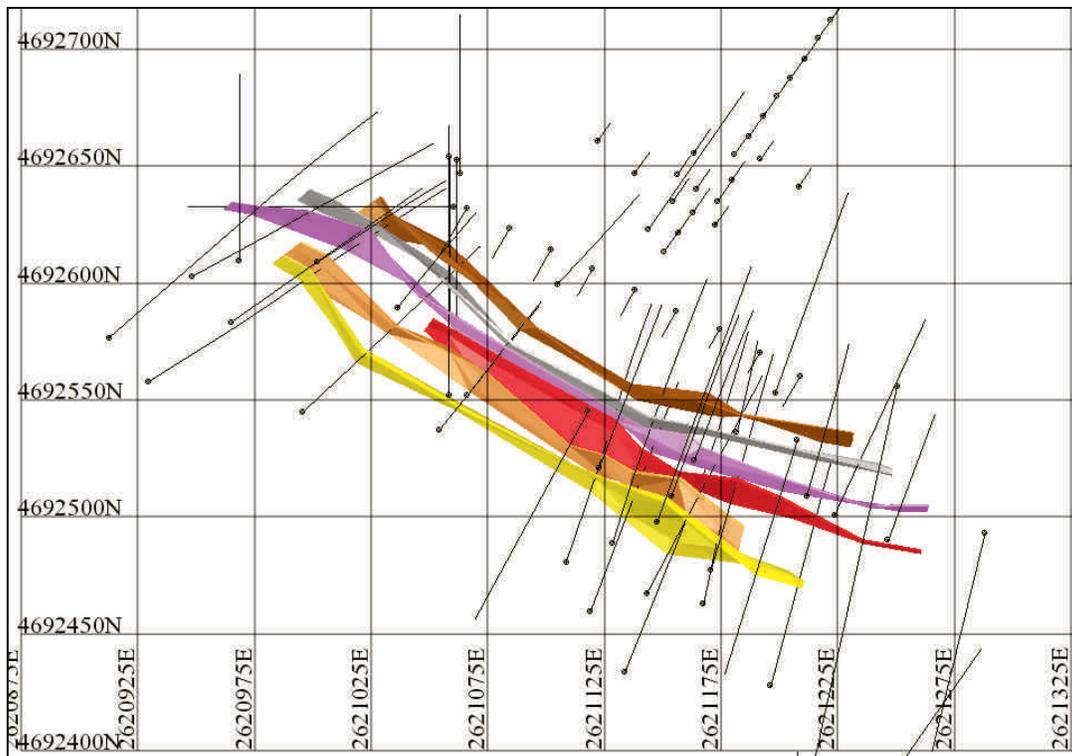
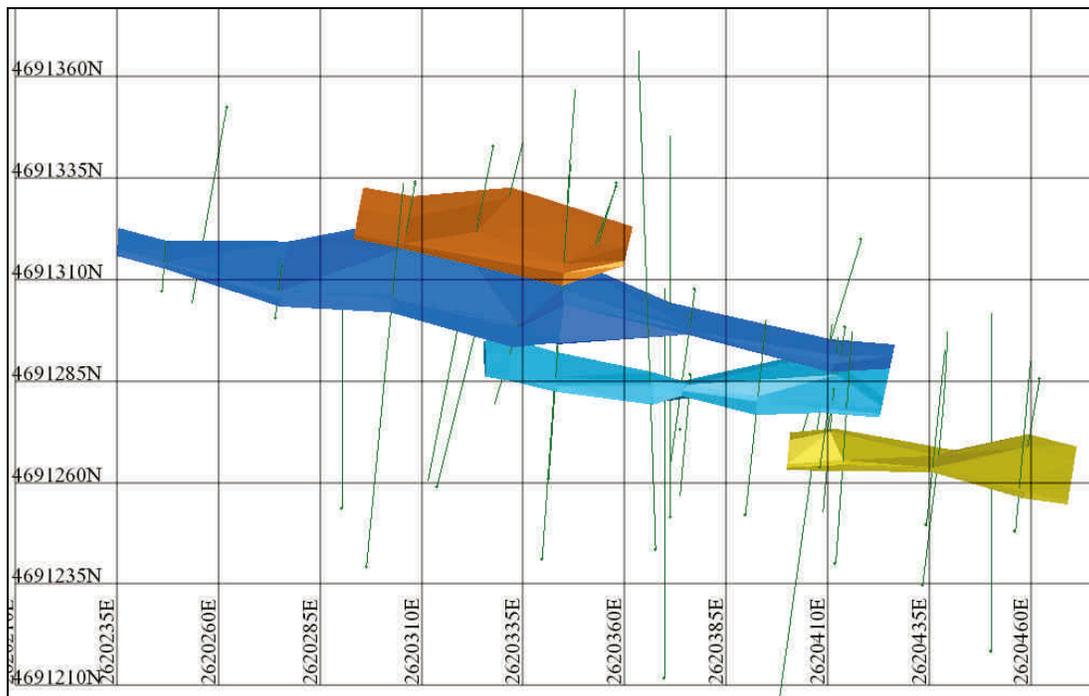


Figure 37 – Plan View of Cerro Oro Resource Zone Wireframes



**Figure 38 – Plan View of Armadillo Resource Zone Wireframes**

The wireframes of the mineralized zones were used to code the database to allow identification of the resource intersections. Separate intersection files were generated for each object. Surpac software was then used to extract 0.5m down hole composites within the intervals coded as resource intersections. The composite length of 0.5m was selected after review of the sample lengths within the various resource outlines. In each case, 0.5m was the most frequent sample length.

To assist in the selection of an appropriate high grade cut, the composite data for each deposit was imported into GeoAccess software and log-probability plots were generated. The data showed an approximately lognormal distribution for the dataset. The plots are shown in Figures 39 and 40.

**Table 11**  
**Summary Statistics of Don Nicolás 0.5m Resource Composites - Au**

| Parameter                | Resource Area |           |         |           |           |
|--------------------------|---------------|-----------|---------|-----------|-----------|
|                          | Sulfuro       | Arco Iris | Coyote  | Armadillo | Cerro Oro |
| <b>Number</b>            | 770           | 120       | 585     | 320       | 360       |
| <b>Minimum</b>           | 0.06          | 0.22      | 0.02    | 0.025     | 0.02      |
| <b>Maximum</b>           | 386.00        | 48.22     | 1586.68 | 85.37     | 89.00     |
| <b>Mean</b>              | 6.10          | 6.27      | 16.11   | 3.92      | 4.52      |
| <b>Median</b>            | 1.95          | 2.74      | 2.55    | 1.567     | 1.94      |
| <b>Std Dev</b>           | 22.21         | 9.54      | 84.89   | 9.00      | 8.62      |
| <b>Variance</b>          | 493.15        | 91.03     | 7206.02 | 80.95     | 74.37     |
| <b>Std Error</b>         | 0.03          | 0.08      | 0.15    | 0.03      | 0.02      |
| <b>Coeff Var</b>         | 3.64          | 1.52      | 5.27    | 2.30      | 1.91      |
| <b>Sichel Statistics</b> |               |           |         |           |           |
| <b>Mean</b>              | 4.59          | 6.20      | 10.18   | 3.57      | 4.21      |
| <b>V</b>                 | 1.43          | 1.59      | 2.48    | 1.51      | 1.31      |
| <b>Gamma</b>             | 2.04          | 2.20      | 3.44    | 2.12      | 1.92      |
| <b>Percentiles</b>       |               |           |         |           |           |
| <b>10</b>                | 0.58          | 0.51      | 0.50    | 0.50      | 0.58      |
| <b>20</b>                | 0.89          | 0.90      | 1.00    | 0.65      | 1.00      |
| <b>30</b>                | 1.15          | 1.25      | 1.35    | 0.85      | 1.19      |
| <b>40</b>                | 1.47          | 1.80      | 1.80    | 1.16      | 1.53      |
| <b>50</b>                | 1.95          | 2.74      | 2.55    | 1.57      | 1.94      |
| <b>60</b>                | 2.62          | 3.78      | 3.83    | 2.06      | 2.80      |
| <b>70</b>                | 3.54          | 4.94      | 5.95    | 3.13      | 3.49      |
| <b>80</b>                | 5.61          | 7.77      | 9.52    | 4.55      | 5.22      |
| <b>90</b>                | 11.57         | 15.10     | 22.13   | 8.86      | 8.25      |
| <b>95</b>                | 19.57         | 27.26     | 36.80   | 12.15     | 17.55     |
| <b>97.5</b>              | 37.90         | 39.76     | 115.10  | 17.60     | 29.00     |
| <b>99</b>                | 76.20         | 45.21     | 276.10  | 28.39     | 39.68     |

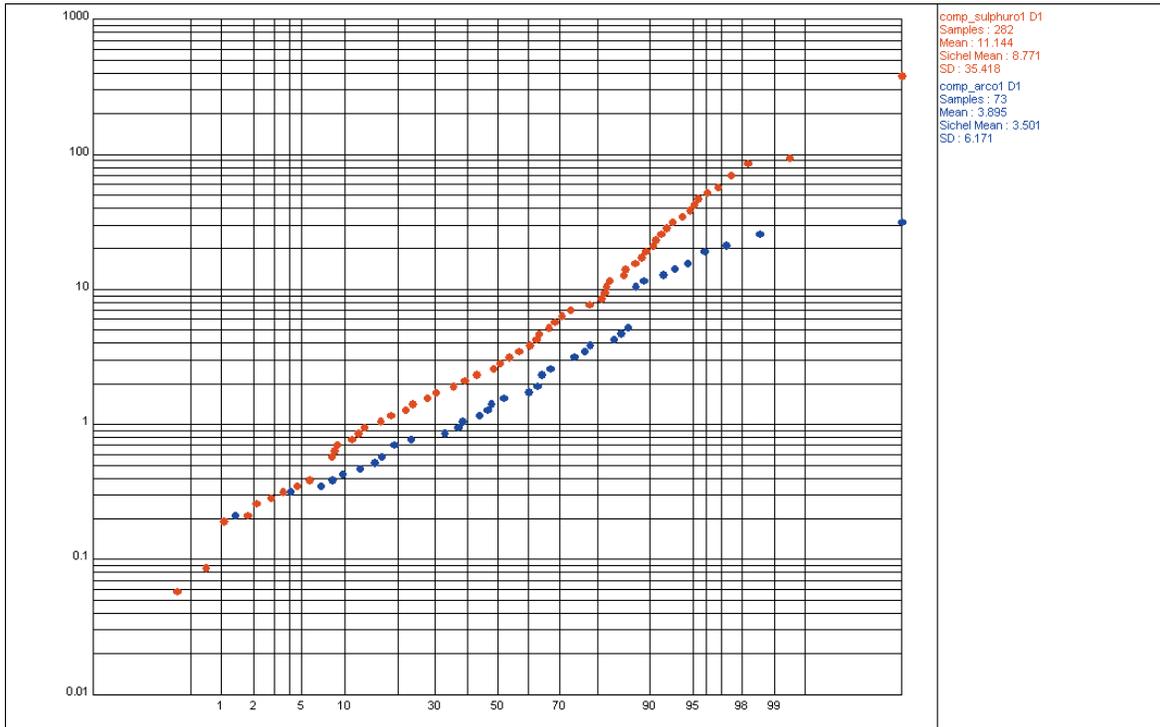


Figure 39 – Probability Plot La Paloma Deposit 0.5m Composite Data

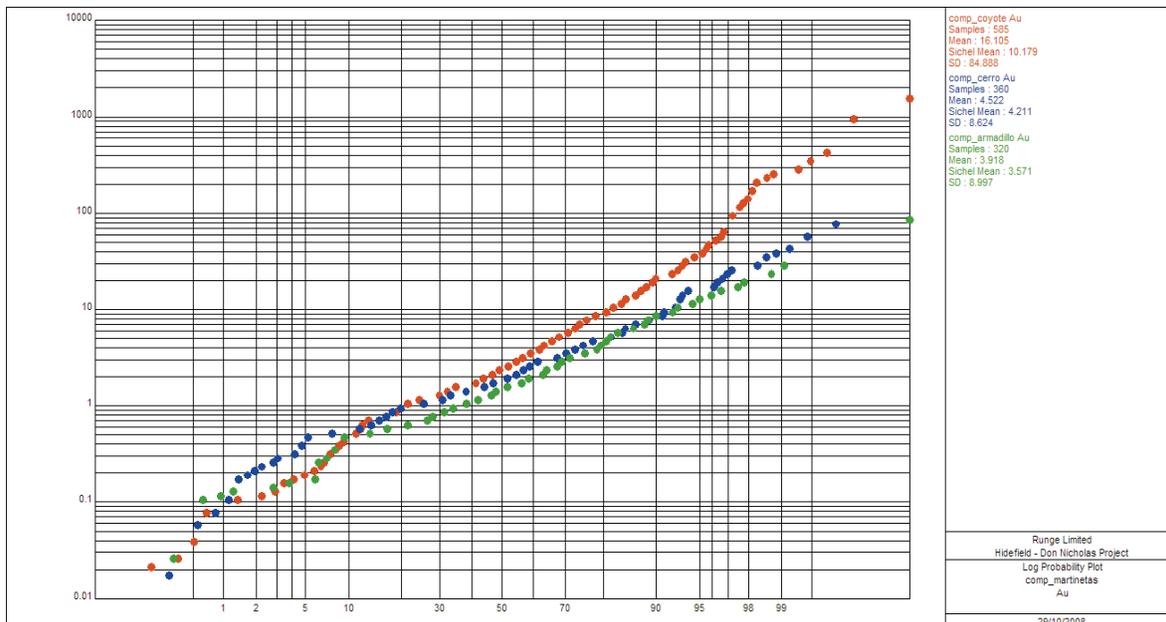


Figure 40 – Probability Plot Martinetas Deposit 0.5m Composite Data

Runge concludes that the clearly high grade nature of the Coyote mineralization is apparent from the plot. Likewise, the consistent grade distribution of the Sulfuro vein is clear. The smaller resources show more erratic grade distribution, partly due to the small number of composites defining the zones.

The small number of samples in most of the resources makes the selection of the high grade cuts somewhat subjective. In this case, there was a break in the distribution in the Sulfuro vein at 90g/t. This value was selected for Sulfuro and also applied to the other deposits.

For each of the five deposit areas (Sulfuro, Arco Iris, Coyote, Armadillo and Cerro Oro) a separate block model was created using Surpac software to encompass the full extent of the deposit. The Sulfuro block model used a primary block size of 4m east-west by 20m north-south by 20m vertical with sub-cells of 1m by 1.25m by 5m. The parent block size was selected on the basis of 50% of the average drill hole spacing in the resource areas, and a suitable value from which 1.25m sub-blocks could be generated.

Bulk density test work was available from pycnometer determinations carried out on prepared samples from core drilling. A total of 70 determinations were analysed at the University of San Luis (UNSL), Argentina. Results are presented in UNSL, 2007. The results were relatively consistent, and appeared to correlate with expected values for this style of mineralization. All samples were from the Sulfuro vein, but results have been applied to all mineralization in the resource. The results were separated by ResEval into the different oxidation types.

The individual values are shown graphically in Figure 41.

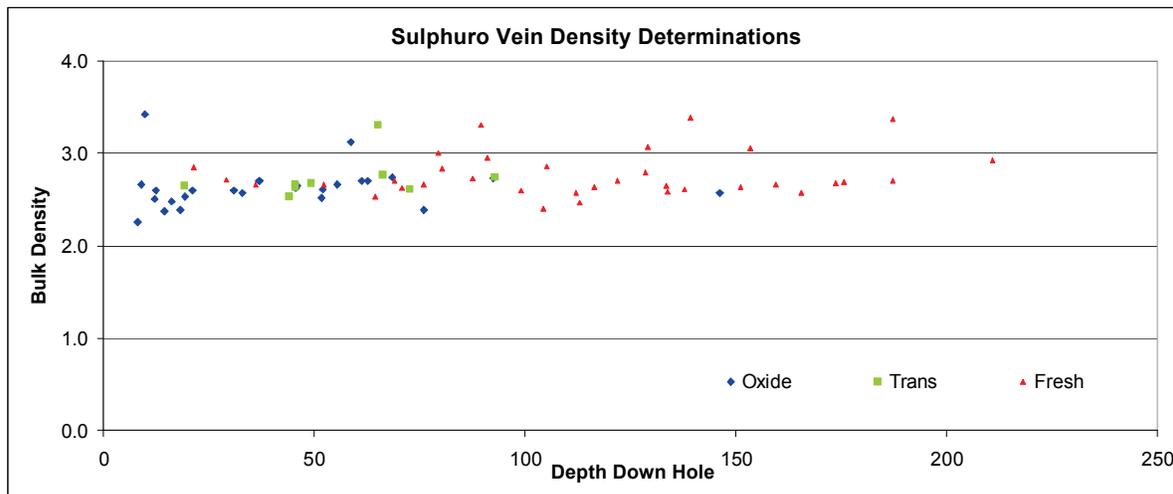


Figure 41 – Bulk Density Determinations - Sulfuro Vein

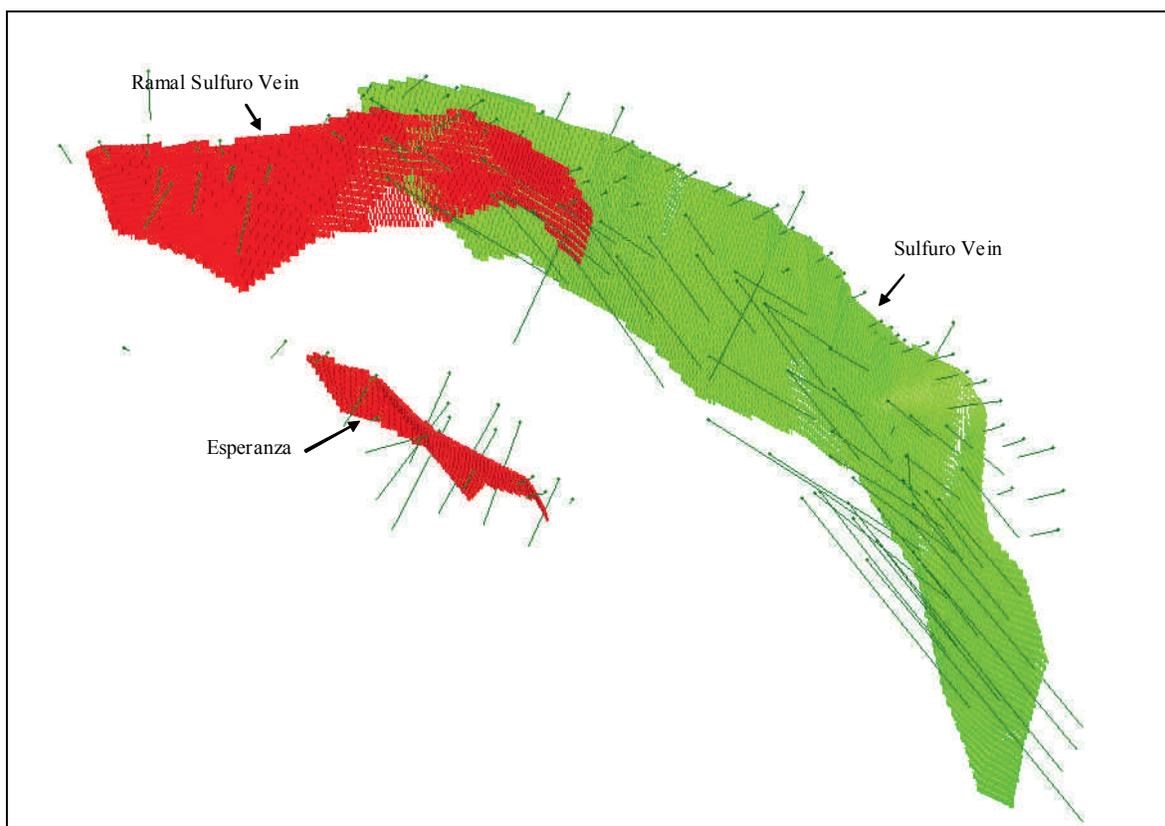
The following values were determined for use in the resource estimate:

|              |                      |
|--------------|----------------------|
| Oxide        | 2.60t/m <sup>3</sup> |
| Transitional | 2.67t/m <sup>3</sup> |
| Fresh        | 2.67t/m <sup>3</sup> |

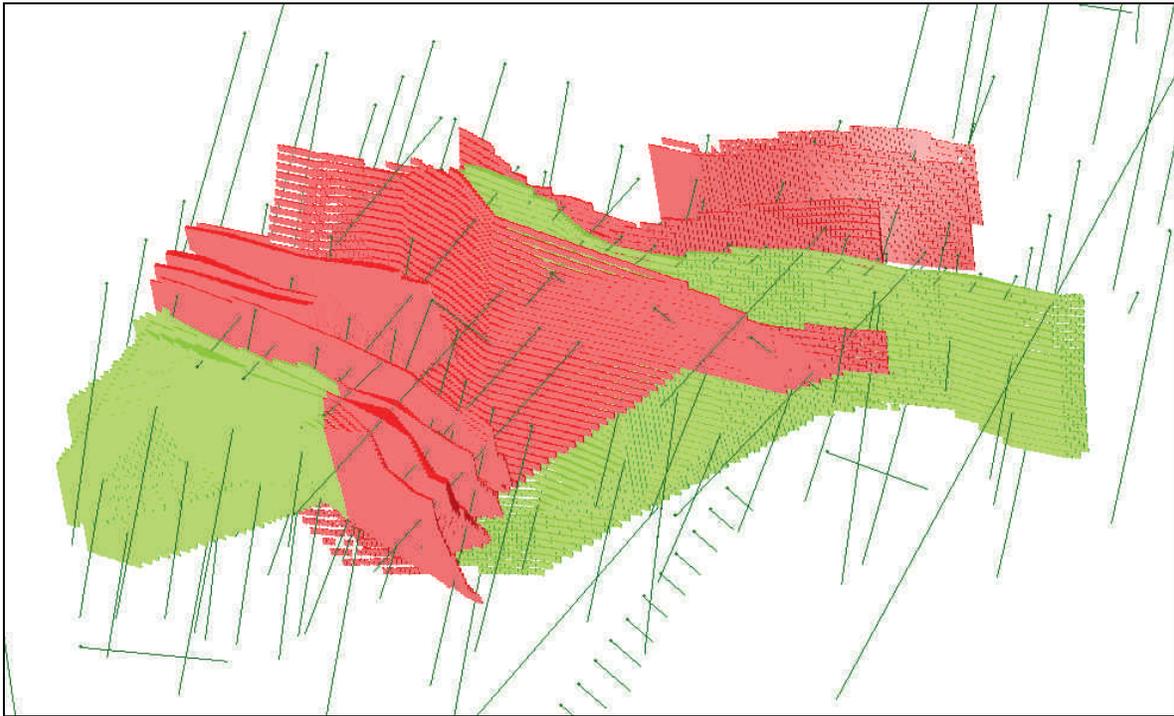
The Don Nicolás resource was classified on the basis of data density and geological continuity. The estimate was classified as an indicated Mineral Resource for those portions of the Sulfuro vein and Coyote vein where surface trenching defined continuous structures and diamond drilling was sufficiently close to allow confident interpretation of the structures at depth.

The Inferred Mineral Resource represents those portions of the various structures where continuity of resource grade mineralization is assumed but not clearly defined due to the lack of surface trenching, the irregular grade distribution or sparse drilling data. All of the Arco Iris and Armadillo resources were classified as Inferred Mineral Resource.

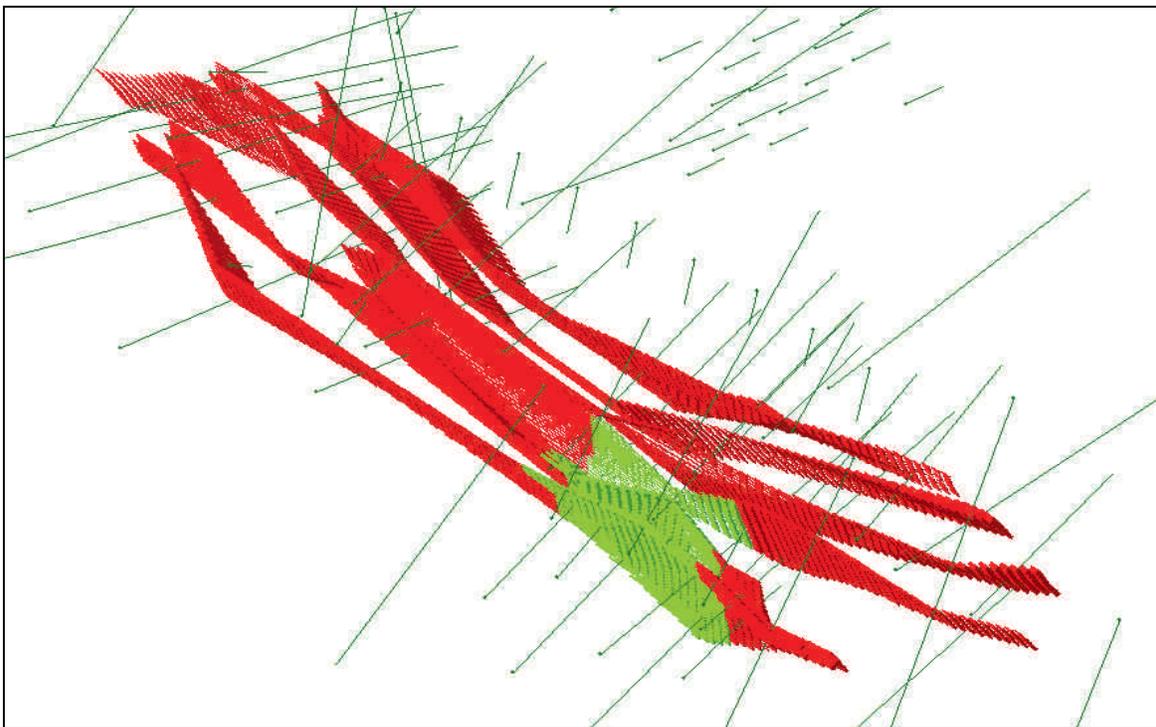
The block model images shown in Figure 42 and 43 demonstrate the spatial positions of the different resource categories for Sulfuro vein and the Coyote resource respectively.



**Figure 42 – Sulfuro Resource Classification (Green=Indicated, Red=Inferred) Looking NE**



**Figure 43 – Coyote Resource Classification (Green=Indicated, Red=Inferred) Looking NE**



**Figure 44 – Cerro Oro Resource Classification (Green=Indicated, Red=Inferred) Looking NE**

The resource estimates are shown in Table 12 and total approximately 2.2 million tonnes grading 5.2 g/t Au containing 359,000 ounces using a 90 g/t Au top cut. Approximately 56% is in the Indicated category. The uncut inventory totals 463,000 ounces.

**Table 12**  
**Don Nicolás Resource Estimates**

| Don Nicolás Project - All Deposits |                  |              |              |                |                |                  |              |              |                |                |
|------------------------------------|------------------|--------------|--------------|----------------|----------------|------------------|--------------|--------------|----------------|----------------|
| Type                               | Indicated        |              |              |                |                | Inferred         |              |              |                |                |
|                                    | Tonnes T         | Au Uncut g/t | Au_Cut90 g/t | Au Uncut Oz    | Au_Cut90 Ox    | Tonnes T         | Au Uncut g/t | Au_Cut90 g/t | Au Uncut Oz    | Au_Cut90 Ox    |
| Oxide                              | 109,000          | 8.40         | 5.00         | 30,000         | 18,000         | 309,000          | 5.80         | 4.80         | 58,000         | 48,000         |
| Transitional                       | 142,000          | 12.30        | 6.10         | 56,000         | 28,000         | 332,000          | 5.60         | 4.70         | 60,000         | 51,000         |
| Fresh                              | 827,000          | 7.30         | 5.80         | 194,000        | 155,000        | 433,000          | 4.80         | 4.30         | 66,000         | 60,000         |
| <b>Total</b>                       | <b>1,078,000</b> | <b>8.10</b>  | <b>5.80</b>  | <b>279,000</b> | <b>201,000</b> | <b>1,075,000</b> | <b>5.30</b>  | <b>4.60</b>  | <b>184,000</b> | <b>158,000</b> |

| Don Nicolás Project - All Deposits |                  |              |              |                |                |                  |              |              |                |                |
|------------------------------------|------------------|--------------|--------------|----------------|----------------|------------------|--------------|--------------|----------------|----------------|
| Type                               | Indicated        |              |              |                |                | Inferred         |              |              |                |                |
|                                    | Tonnes T         | Au Uncut g/t | Au_Cut90 g/t | Au Uncut Oz    | Au_Cut90 Ox    | Tonnes T         | Au Uncut g/t | Au_Cut90 g/t | Au Uncut Oz    | Au_Cut90 Ox    |
| Sulphuro Vein                      | 930,000          | 6.80         | 5.50         | 202,000        | 166,000        | 134,000          | 2.00         | 2.00         | 8,000          | 8,000          |
| Rocio Vein                         |                  |              |              |                |                | 93,000           | 4.10         | 4.10         | 12,000         | 12,000         |
| Arco Iris Veins                    |                  |              |              |                |                | 310,000          | 5.50         | 5.50         | 55,000         | 55,000         |
| Coyote Norte Veins                 | 44,000           | 29.00        | 7.60         | 41,000         | 11,000         | 66,000           | 10.40        | 6.30         | 22,000         | 13,000         |
| Coyote Sur Veins                   | 63,000           | 14.50        | 8.70         | 30,000         | 18,000         | 71,000           | 14.90        | 8.60         | 34,000         | 20,000         |
| Armadillo Veins                    |                  |              |              |                |                | 157,000          | 3.60         | 3.40         | 18,000         | 17,000         |
| Cerro Oro Veins                    | 41,000           | 5.40         | 5.10         | 7,000          | 7,000          | 245,000          | 4.30         | 4.10         | 34,000         | 32,000         |
| <b>Total</b>                       | <b>1,078,000</b> | <b>8.10</b>  | <b>5.80</b>  | <b>279,000</b> | <b>201,000</b> | <b>1,075,000</b> | <b>5.30</b>  | <b>4.60</b>  | <b>184,000</b> | <b>158,000</b> |

## Metallurgy

Hidefield undertook a program of basic metallurgical testing in 2007. A total of 115.6 kg of sample was selected from La Paloma – Martinetas drill intercepts. Due to the small mass of samples available for testing, individual samples were composited into two composite samples (one oxide and one sulphide) for this testing.

Testwork was carried out at the AMMTEC laboratories in Perth, Western Australia.

The results of the testwork indicate that the ore is moderately hard and abrasive, but free milling and amenable to conventional CIP or flotation treatment. The oxide composite sample leached very well at a p80 grind size of 75 µm, producing recoveries of 98.9% for gold and 93.4% for silver with low reagent consumption. For the sulphide composite, leach recoveries were lower, but satisfactory, at 84.3% for gold and, not unexpectedly, 59.0% for silver. Reagent consumptions on this material were also satisfactory. Optimization work should improve upon these results.

## Mining Operations

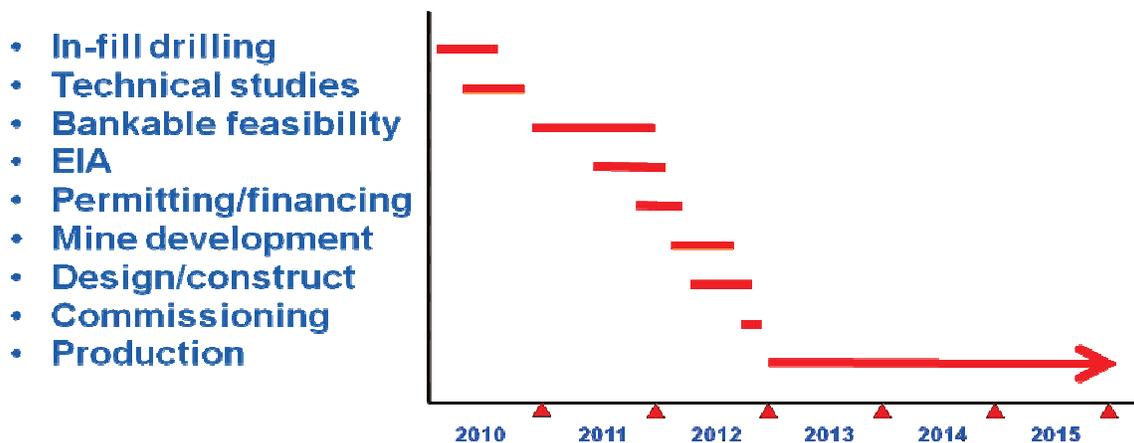
At this stage, there are no mining operations but the objective of the feasibility study is to work toward this goal.

## Exploration and Development

Minera IRL has allocated a budget of over US\$5 million for 2010 to the Don Nicolàs feasibility study and Deseado Massif exploration. The feasibility study is all embracing including in-fill and extension drilling, metallurgical testing, hydrological programs, environmental baseline data gathering, engineering studies and cost estimates.

Figure 45 provides an insight to the potential timing to bring a new development into production.

**Figure 45**  
Preliminary development schedule for Don Nicolàs



The exploration program will include remote sensing, geophysics, mapping, trenching, target prioritization and drilling. Numerous targets are available to choose from.

## 4.4 Other Projects

### Bethania

The Bethania exploration project is located approximately 10km east of the Corihuarmi Mine in central Peru at an elevation of approximately 4,700 meters.

Minera IRL has historically held three tenements in the area, namely Filpo I, Vera XI and Very IX totalling 2,400Ha at Bethania. In August 2009, Minera IRL SA entered into an option agreement to purchase 100% of a central, key 841Ha lease from Minera Monterrico Peru SAC.

Under the terms of the agreement, Minera IRL will have the right to commence immediate exploration. A US\$100,000 payment will be payable if Minera IRL persists with the projects beyond 12 months. Payment of US\$10 per ounce in Proven and Probable Reserves upon

presentation of a feasibility study at any time up to 4 years will secure 100% ownership in the property.

The area of interest at Bethania is a large porphyry system which shows a strong geophysical anomaly over approximately 3.5km by over 1km in size. Limited drilling was carried out by Newcrest Mining Limited in 1998 in which one hole showed interesting low grade gold copper mineralization.

Minera IRL completed a preliminary 12 hole, 4,856 meter reverse circulation drilling program in late 2009 and early 2010. Results are currently being assessed by the company.

### **La Falda**

The La Falda Project is a gold porphyry exploration target located in the Maricunga District of north-central Chile, at an elevation of approximately 4,200 meters close to the Argentina boarder.

In September 2009, Minera IRL signed of the option and shareholders' agreement and management agreement with Catalina Resources plc and Minera Catalina SA on the La Falda Project. Minera IRL committed to an exploration program, including drilling during the 2009-2010 field season, with a minimum expenditure commitment of US\$700,000 prior to an Option exercise date of 31 July 2010. Upon exercising the option, Minera IRL will commit another US\$2.3 million to be used for the final vendor payment and/or exploration plus a final payment of US\$200,000 to Catalina Resources plc to perfect a 75% interest in the project.

The La Falda Project comprises mining and exploration permits totalling 15,425 ha in the Maricunga Belt, III Region, in north-central Chile. La Falda has a series of sub volcanic porphyries discovered by Catalina Resources plc, where surface sampling has recorded elevated gold values associated with veins of multiple banded light and dark grey quartz.

The two previously unexplored main outcropping porphyry domes at La Falda, one of which is approximately 800 meters in diameter, were covered by a ground magnetic survey which delineated weak magnetic highs flanked and cut by strong magnetic lows, similar to the magnetic pattern displayed by other Maricunga gold porphyry systems. Subsequently, the Company announced a large, well defined IP geophysical anomaly which indicates the presence of a disseminated sulphide mineralized zone.

A diamond drill program commenced in late December 2009 and is continuing with 2 rigs on site. No results have been announced.

### **Quilavira**

Minera IRL announced in late February 2009 that it signed an option to purchase the Quilavira Gold Exploration Project from Ingerieria y Tecnologia Minero-Metalurgica SA ("ITMM").

The 5,100 hectare tenement package is located in the Tacna district of southern Peru. ITMM acquired the property from Newcrest Mining Limited in a competitive tendering process.

Minera IRL has entered into an option agreement to purchase 100% of the property from ITMM subject to payment of the sum of US\$50,000 upon the grant of a supreme decree by the Peruvian government. The issue of a supreme decree is required where foreign registered companies seek to acquire exploration licenses within 50km of Peru's international boarder. Prior to commencing exploration on this property, a surface rights agreement will need to be negotiated with the local community.

The main exploration target on Quilavira is an alteration area approximately 1,200m by 300m. Sampling by Newcrest Mining Limited has identified a zone (200 x 200m) of anomalous gold mineralization (+1g/t Au rock chip values) within the western part of the alteration zone.

## 5 RISK FACTORS

The following discussion summarises the principal risk factors that apply to the Company's business and that may have a material adverse effect on the Company's business, financial condition and results of operations or the trading price of the Ordinary Shares.

### Operating Risk

The operations of the Company may be disrupted by a number of events that are beyond the control of the Company. These include but are not limited to: the availability of transportation capacity, geological, geotechnical and seismic factors, industrial and mechanical accidents, equipment and environmental hazards, power supply failure, unscheduled shut downs or other processing problems. As a result, it cannot be guaranteed that any of the exploration projects carried out will bring about any new commercial mining operations being brought into operation.

As is common with all mining operations, there is uncertainty and therefore risk associated with the Company's operating parameters and costs. These can be difficult to predict and are often affected by factors outside the Company's control. If any such risks actually occur, the Company's business, financial condition and/or results of operations could be materially and adversely affected. In such a case, an investor may lose all or part of his or her investment.

There can be no guarantee that the Company will be able to effectively manage the expansion of its operations or that the Company's current personnel, systems, procedures and controls will be adequate to support the Company's operations. Any failure of management to effectively manage the Company's growth and development could have a material adverse effect on the Company's business, financial condition and results of operations.

## **Land Title**

Title insurance generally is not available, and the Company's ability to ensure that it has obtained secure claim to individual mineral properties or mining concessions from time to time may be severely constrained. In addition, unless the Company conducts surveys of the claims in which it holds direct or indirect interests, the precise area and location of such claims may be in doubt. Accordingly, such mineral properties may be subject to prior unregistered liens, agreements, transfers or claims, and title may be affected by, among other things, undetected defects. In addition, the Company may be unable to operate its properties as permitted or to enforce its rights with respect to its properties.

## **Environmental Regulations**

The Company's operations are subject to environmental regulation in all of the jurisdictions in which it operates. Such legislation covers a wide array of matters, including waste disposal, protection of the environment, worker safety, mine development, land and water use, the protection of endangered and protected species among others. Existing and possible future environmental legislation, regulations and actions could cause the Company to incur additional expenses, capital expenditures, restrictions and delays in the activities of the Company, the extent of which cannot be predicted.

Although precautions to minimise risk will be taken, operations are subject to hazards which may result in environmental pollution and consequent liability which could have a material adverse impact on the business, operations and financial performance of the Company. Damages occurring as a result of such risks may give rise to claims against the Company which may not be covered, in whole or part, by any insurance taken out. In addition, the occurrence of any of these incidents could result in the Company's current or future operational target dates being delayed or interrupted and result in increased capital expenditure.

## **Litigation**

The board of directors are not aware of any material legal proceedings which have been threatened or actually commenced against the Company.

Legal proceedings may, however, arise from time to time in the course of the Company's business. Furthermore, litigation may be brought against third parties which has an adverse affect on the Company. There have been a number of cases where the rights and privileges of mining and exploration companies have been the subject of litigation. The board of directors cannot preclude that such litigation may be brought against the Company in the future or that litigation against a third party will not have adverse effects on the Company.

## **Lack of Surface Rights**

In Peru and Argentina, the countries in which the Company's material mineral projects are located, surface rights do not accompany exploration and mining rights. In both countries, the

mining law provides for the resolution of conflicts arising between surface rights holders and mining rights holders, but the time within and cost with which such resolutions are reached is not assured. The failure of the Company to successfully negotiate surface rights access and purchase could cause substantial delays in the development of a project.

### **Health and Safety**

The Company's activities are and will continue to be subject to health and safety standards and regulations. Failure to comply with such requirements may result in fines and or penalties being assessed against the Company.

### **Additional Requirements for Capital**

Further funds may be required once the Company completes its proposed development and exploration activities as disclosed in this document. Should it subsequently be established that a mining production operation is technically, environmentally and economically viable, substantial additional financing will be required by the Company to permit and establish mining operations and production facilities. No assurances can be given that the Company will be able to raise the additional finances that may be required for such future activities. Commodity prices, environmental regulations, environmental rehabilitation or restitution obligations, revenues, taxes, transportation costs, capital expenditures and operating expenses and technical aspects are all factors which will impact on the amount of additional capital that may be required.

Any additional equity financing may be dilutive to shareholders and debt financing, if available, may involve restrictions on financing and operating activities. There are no assurances that additional financing will be available on terms acceptable to the Company, or at all. If the Company is unable to obtain additional financing as needed, it may be required to reduce the scope of its operations or anticipated expansion, forfeit its interest in some or all of its tenements, incur financial penalties and reduce or terminate its operations.

### **Gold and Silver Prices**

Gold and silver prices have historically fluctuated widely and are affected by numerous external factors beyond the Company's control. The profitability or viability of the Company's mineral projects are directly related to the price of commodities and, in particular, the price of gold and silver. These fluctuations make this sector particularly volatile from an investment perspective. The price of gold and silver is influenced by factors outside the Company's control, such as global demand and supply, international economic trends, the level of consumer product demand, the level of interest rates and the rate of inflation among others. Declines in the market price of gold and/or silver may lead to the write down of assets or mineral resources and reserves, negative earnings and profitability and, ultimately, to the loss of resources and reserves and the prospect of development of Company projects.

## **Hedging and Use of Derivatives**

Hedging activities are intended to protect a company from the fluctuations in the price of metals and to minimise the effect of declines in metal prices on results of operations for a period of time. Although hedging activities may protect a company against lower metal prices, they may also limit the price that can be realised on metal (such as gold and silver) that are subject to forward sales and call options where the market price of such metal exceeds the price of that resource in a forward sale or call option contract. Moreover, in some derivative structures, the Company could be exposed to margin calls where the price of the metal changes significantly (including upward increases) causing a cash flow crisis for the Company. There is no assurance that the Company will not enter into hedging and derivative products that provide for such exposure.

## **Mineral Reserves and Resources are Estimates Only**

There is no certainty that the mineral resources or any mineral reserve, attributable to the Company will be realised. Until a deposit is actually mined and processed, the quantity of mineral resources and reserves and grades, must be considered as estimates only. In addition, the value of mineral resources and any mineral reserve, will depend upon, among other things, metal prices and currency exchange rates. Any material change in quantity of mineral resources or any mineral reserve, or grade, may affect the economic viability of any future mines. Any material reductions in the estimates of mineral resources, or mineral reserves, or the Company's ability to extract any ore, could have a material adverse affect on the Company's future results of operation and financial condition.

## **Insurance Coverage**

The mining industry is subject to significant risks that could result in damage to, or destruction of, mineral properties or producing facilities, personal injury or death, environmental damage, delays in mining, and monetary losses and possible legal liability. The Company's insurance coverage is limited and, as a result, there may not be sufficient insurance for any particular loss, including political risks or environmental liabilities.

## **Infrastructure**

Mining, processing, development and exploration activities depend, to one degree or another, on adequate infrastructure. Reliable roads, bridges, power sources and water supply are important determinants which affect capital and operating costs. Unusual or infrequent weather phenomena, sabotage, government or other interference in the maintenance or provision of such infrastructure could adversely affect the Company's operations, financial condition and results of operations.

## **Key Management and Staff**

The success of the Company is currently largely dependent on the abilities of some of its directors and its senior management. The loss of the services of these persons may have a

materially adverse effect on the Company's business and prospects. There is no assurance that the Company can retain the services of these persons. Failure to do so could have a materially adverse effect on the Company and its prospects.

While the Company has good relations with its employees, these relations may be impacted by changes in the scheme of labour relations which may be introduced by the relevant governmental authorities in whose jurisdictions the Company may carry on business from time to time. Adverse changes in such legislation may have a material adverse effect on the Company's business, results of operations and financial condition.

### **Legal Climate Considerations**

The Peruvian, Argentinean and Chilean jurisdictions, where the Company will be operating, may have comparatively less developed legal systems than those found in Europe and North America. This could lead to exposure to any of the following risks: lack of guidance on interpretation of the applicable rules and regulations, delays in redress or greater discretion on the part of governmental authorities. In certain jurisdictions, commitment of judicial systems, government representatives, agencies and native businessmen to abide the legal requirements and the negotiated agreements may be subject to doubt, creating concern with respect to the Company's agreements for business and licences. There can be no assurance that joint ventures, licences, licence applications or other legal arrangements will not be adversely affected by the actions of government authorities or others and the effectiveness of and enforcement of such arrangements in these jurisdictions cannot be certain.

### **Changes in Government Policy**

The Company is subject to the rules and regulations of various countries it does business in, including Peru, Argentina and Chile. Its exploration activities, development projects and any future mining operations are subject to laws and regulations governing the acquisition and retention of title to mineral rights, mine development, health and worker safety, employment standards, fiscal matters, waste disposal, protection of the environment, protection of endangered and protected species and other matters. It is possible that future changes in applicable laws, regulations, agreements or changes in their enforcement or regulatory interpretation could have a material and adverse impact on the Company's current exploration activities, planned development projects or future mining operations. Moreover, where required, obtaining necessary permits to conduct exploration or mining operations can be a complex and time consuming process and the Company cannot assure whether any necessary permits will be obtainable on acceptable terms, in a timely manner or at all.

### **Geopolitical Climate**

The political climate in Peru, Argentina and Chile is currently stable and generally held to offer a favourable outlook for foreign investments. There is no guarantee that it will remain so in the future. Changes in government, regulatory and legislative regimes, potentially leading to expropriation of mining rights cannot be ruled out.

## **Currency Risk**

The Company will be reporting its financial results in US dollars and the gold and silver markets are predominantly denominated in US dollars, while costs will, for the most part, be incurred in local currencies. Subsequent appreciation of the local currencies against the US dollar may have the effect of rendering the exports from Peru, Argentina and/or Chile more expensive and less competitive, as well as having a negative impact on the financial statements of the company. Fluctuations in the Pound Sterling with respect to financial reporting and/or local operating currencies could have an impact on the Pound Sterling denominated share price.

## **Economic Risks**

Emerging markets such as Peru, Argentina and Chile are potentially subject to more volatility and greater risks than more mature markets. It should be noted that the emerging markets are frequently subject to rapid change, therefore some of the information set out in this AIF may become outdated. Investors should carefully consider all of the risks associated with investing in an emerging market.

## **Local Community**

To date, the Company has enjoyed strong relationships with the local communities located around their relevant mining assets. The Company's policy is to actively consider, sponsor (through community projects) and work with the local communities and expects to maintain these relationships. However, such relationships cannot be guaranteed, nor can the Company be certain of forming new positive relationships with local populations that it has not yet negotiated with. Such relationships are important and can affect the ability of the Company to secure, amongst other things, surface rights, access, infrastructural support and the necessary labour required to operate a mine.

## **Geological Risks**

The delineation of geological conditions and the definition of mineral resources and ore reserves is a complex process requiring input from many areas of specialisation and a high degree of interpretation of results obtained from exploration programs. While the Company employs best industry practise to develop reliable estimates, there remains a risk that when mining commences geological conditions could vary with those projected. In this case, there is a risk that geological conditions could adversely affect ongoing operations and in extreme circumstances, result in the abandonment of a project.

## **Competition**

The Company competes with numerous other mining companies (many of which have greater financial resources, operational experience and technical capabilities than the Company) in connection with the acquisition of mineral properties as well as for the recruitment and retention of qualified employees.

## General Business Risk

The activities of the Company are subject to usual commercial risks and such factors as industry competition and economic conditions generally may affect the Company's ability to generate income.

## 6 DIVIDENDS

The Company does not have a dividend policy in place and has never declared or paid dividends on the Ordinary Shares. Any future dividend payment will be made at the discretion of the Company's board of directors and will depend on their assessment of earnings, capital requirements, the operating and financial condition of the Company and any other factor that the Company's board of directors deems necessary to consider in the circumstances.

## 7 DESCRIPTION OF CAPITAL STRUCTURE

The Company is authorised to issue an unlimited number of Ordinary Shares, of which 85,675,173 are issued as at 31 March 2010. Each share entitles the holder to one vote. All shares of the Company rank equally as to dividends, voting powers and participation in assets upon a dissolution or winding up of the Company.

As at 31 March 2010, the Company also had 12,393,448 options issued and outstanding. Each option entitles the holder to acquire one Ordinary Share at exercise prices detailed below.

| Date of grant    | Exercisable from | Exercisable to   | Exercise prices | Number granted | No. at 31 March 2010 | No. at 31 December 2009 |
|------------------|------------------|------------------|-----------------|----------------|----------------------|-------------------------|
| 17 August 2006   | 17 August 2006   | 30 June 2010     | US\$1.05        | 1,904,800      | 1,904,800            | 1,904,800               |
| 6 October 2006   | 6 October 2006   | 30 June 2010     | US\$1.05        | 952,400        | 952,400              | 952,400                 |
| 5 April 2007     | 5 April 2007     | 12 April 2011    | £0.45           | 308,904        | -                    | -                       |
| 12 April 2007    | 12 April 2008    | 12 April 2012    | £0.45           | 3,440,000      | 3,190,000            | 3,290,000               |
| 19 February 2008 | 19 February 2008 | 30 Jun 2010      | US\$1.0148      | 2,956,248      | 2,956,248            | 2,956,248               |
| 18 March 2008    | 18 March 2009    | 18 March 2013    | £0.62           | 865,000        | 815,000              | 8,650,000               |
| 17 November 2009 | 17 November 2009 | 17 November 2014 | £0.9125         | 2,300,000      | 2,300,000            | 2,300,000               |
| 25 January 2010  | 25 January 2010  | 25 January 2015  | £0.8875         | 275,000        | 275,000              | -                       |
| <b>Total</b>     |                  |                  |                 |                | <b>12,393,448</b>    | <b>12,268,448</b>       |

## 8 MARKET FOR SECURITIES

The Ordinary Shares of the Company are listed for trading on AIM and the Lima Stock Exchange (the "BVL") under the trading symbol "MIRL". The Company has been listed on AIM since 12 April 2007 and on the BVL since 11 December 2007.

## Trading Price and Volume

The below table outlines the high and low prices, and volume of Ordinary Shares on AIM on a monthly basis during the financial year ended 31 December 2009.

| Month          | High (£) | Low (£) | Volume    |
|----------------|----------|---------|-----------|
| January 2009   | 0.685    | 0.630   | 474,211   |
| February 2009  | 0.685    | 0.615   | 535,622   |
| March 2009     | 0.645    | 0.625   | 103,512   |
| April 2009     | 0.685    | 0.660   | 245,394   |
| May 2009       | 0.795    | 0.620   | 1,307,143 |
| June 2009      | 0.830    | 0.755   | 2,234,158 |
| July 2009      | 0.780    | 0.705   | 1,145,573 |
| August 2009    | 0.795    | 0.710   | 123,797   |
| September 2009 | 0.775    | 0.705   | 262,715   |
| October 2009   | 0.750    | 0.650   | 230,372   |
| November 2009  | 0.730    | 0.650   | 383,183   |
| December 2009  | 0.675    | 0.620   | 1,024,466 |

The below table outlines the high and low prices, and volume of the Ordinary Shares on the BVL on a monthly basis during the financial year ended 31 December 2009.

| Month          | High (US\$) | Low (US\$) | Volume    |
|----------------|-------------|------------|-----------|
| January 2009   | 0.980       | 0.890      | 728,470   |
| February 2009  | 0.970       | 0.910      | 662,332   |
| March 2009     | 0.940       | 0.880      | 1,168,323 |
| April 2009     | 1.100       | 0.880      | 1,745,886 |
| May 2009       | 1.360       | 1.000      | 4,589,510 |
| June 2009      | 1.460       | 1.270      | 5,717,595 |
| July 2009      | 1.330       | 1.150      | 2,007,305 |
| August 2009    | 1.390       | 1.170      | 2,737,508 |
| September 2009 | 1.210       | 1.130      | 2,202,128 |
| October 2009   | 1.170       | 1.080      | 1,791,821 |
| November 2009  | 1.270       | 1.060      | 4,648,258 |
| December 2009  | 1.030       | 0.850      | 2,126,023 |

## Prior Sales

During the financial year ended 31 December 2009 the Company issued the following Ordinary Shares:

- 13,615,556 on 6 July 2009, at £0.67 per share via a placing;

- 308,904 on 20 July 2009, at £0.45 per share via the exercise of options; and
- 9,767,291 on 22 December 2009, at £0.625 per share for the acquisition of Hidefield.

Subsequent to the financial year ended 31 December 2009 the Company issued 100,000 Ordinary Shares on 3 April 2010 at £0.45 per share via the exercise of options.

In addition on 17 November 2009, the Company issued 2,300,000 options exercisable at £0.9125 per share on or before 17 November 2014. Also, subsequent to the financial year ended 31 December 2009 the Company issued on 25 January 2010, 275,000 options exercisable at £0.8875 per share on or before 25 January 2015.

## 9 ESCROWED SECURITIES

As at the date of this AIF there are no securities of the Company under escrow.

## 10 DIRECTORS AND OFFICERS

The names and municipalities of residence, present positions with the Company and principal occupations during the past five years of the directors and executive officers of the Company as at 31 March, 2010 are present in the below table.

At the annual general meeting, one-third of the directors shall retire from office or, if their number is not three or a multiple of three, the number nearest to one-third shall retire from office; but:

- if any one director has at the start of the annual general meeting been in office for more than three years since his last appointment or reappointment, he shall retire; and
- if there is only one director who is subject to retirement by rotation, he shall retire.

| Name and Residence                         | Note | Principal Occupation  | Director Since |
|--|------|---|----------------|
| <b>Directors</b>                           |      |   |                |
| Courtney Charles Chamberlain<br>Lima, Peru | (1)  | Executive Chairman<br>Minera IRL Limited  | 28 August 2003 |
| Douglas Alan Jones<br>Perth, Australia     | (2)  | Managing Director<br>Chalice Gold Mines Limited<br><br>Non-Executive Director<br>Minera IRL Limited | 28 August 2003 |

| <b>Name and Residence</b>                    | <b>Note</b> | <b>Principal Occupation</b>   | <b>Director Since</b> |
|--|-------------|---|-----------------------|
| Graeme David Ross<br>St Brelade, Jersey      | (1)         | Partner<br>Rawlinson & Hunter<br><br>Non-Executive Director<br>Minera IRL Limited                 | 30 October 2006       |
| Kenneth Peter Judge<br>Monte Carlo, Monaco   | (1)         | Director<br>Hamilton Capital Partners Limited<br><br>Non-Executive Director<br>Minera IRL Limited | 21 December<br>2009   |
| Napoleon Oscar Valdez<br>Lima, Peru          | (2)         | President<br>Heinz Ferrand Glass S.A.C.<br><br>Non-Executive Director<br>Minera IRL Limited       | 3 February 2010       |
| <b>Executive Officers</b>                    |             |   |                       |
| Richard Michell<br>Wiltshire, United Kingdom |             | Chief Financial Officer and<br>Company Secretary<br>Minera IRL Limited                            | NA                    |
| Diego Francisco Benavides<br>Lima, Peru      |             | President<br>Minera IRL SA  | NA                    |

(1) Member of the Audit Committee.

(2) Member of the Remuneration/Compensation Committee.

## **Directors' Information**

### **Mr Courtney Chamberlain Executive Chairman**

Mr Chamberlain is a metallurgist by profession with over 40 years' experience in precious and base metals management, operations and development as well as consulting in Australia, Asia, Africa and both North and South America. He is a Fellow of the Australian Institute of Mining and Metallurgy. Mr Chamberlain spent 29 years with Newmont Mining Corporation and Newcrest Mining Ltd ("Newcrest"), including 13 years on the board of directors of Newmont Australia Ltd and Newcrest where he was responsible for operations and development. His responsibilities included key management roles in the development of the Telfer and New Celebration Gold Mines in Western Australia and the Cadia Mine in New South Wales. Courtney was a co-founding partner of Investor Resources Limited (IRL), a financial and technical advisor to the international mining industry. He also founded Minera IRL.

### **Dr Doug Jones Non-Executive Director**

Dr Jones is a geologist with 33 years of international exploration, exploration management and consulting experience in the mining industry. Between 1997 and 2007 he served as Vice President Exploration for Golden Star Resources, responsible for world wide exploration. Before that he was Chief Geologist, New Business South America at Delta Gold Limited. He is

currently the Chief Executive Officer of Australian Stock Exchange (“ASX”) listed Chalice Gold Mines Limited and a non-executive director of ASX listed Liontown Resources Limited and Chalice Gold Mines Limited. He is also a former director of TSX, AIM and ASX listed company, Moto Goldmines Limited.

**Mr Graeme Ross**

**Non-Executive Director**

Mr Ross qualified as a Chartered Accountant in 1984 and is now a partner at Rawlinson & Hunter Chartered Accountants, Jersey which is part of the Rawlinson & Hunter international network. He has worked in Jersey’s finance industry since 1986 and has in-depth knowledge and experience of the structuring and ongoing administration requirements of publicly owned Jersey investment vehicles. Mr Ross is a director/shareholder in both Computershare Investor Services (Channel Islands) Limited and R&H Trust Co. (Jersey) Limited, each of which provides services to and/or is remunerated by Minera IRL.

**Mr Ken Judge**

**Non-Executive Director**

Mr Judge is a corporate lawyer with extensive business management and corporate development experience, having held numerous public company directorships and having been engaged in the establishment or corporate development of oil and gas, mining and technology companies in the United Kingdom, Middle East, USA, Australia, Europe, Canada, Latin America and South East Asia. He has undergraduate and post-graduate degrees in Commerce, Jurisprudence and Laws from the University of Western Australia and was awarded an Order of Australia Medal in 1984. Mr Judge was the Executive Chairman of AIM listed Hidefield Gold Plc, until its acquisition by Minera IRL in December 2009 and is currently director of Hamilton Capital Partners and director of London Stock Exchange listed Gulfsands Petroleum Plc, TSX-V listed Alto Ventures Ltd. and ASX listed Carnavon Petroleum Limited.

**Napoleon Valdez**

**Non-executive Director**

Mr Valdez has extensive business management experience and is the President of the board and major shareholder of Heinz Ferrand Glass SAC and Cristalerias Ferrand, privately owned glass companies. He is also the owner and a director of Inversiones El Carmen, Agricola Topara and Gruval, Peru incorporated companies. Mr Valdez is a Peruvian resident, a well connected and experienced South American businessman and well informed on the Peruvian mining industry in which he has been a long standing investor.

**Executive Officers’ Information**

**Richard Michell**

**Chief Financial Officer and Company Secretary**

Mr Michell is a fellow of the Chartered Institute of Management Accountants. He served as Finance Director and Company Secretary of Telecom plus PLC, a company listed on the London Stock Exchange, from its foundation in 1997 until 2005. He has experience in the exploration business, having been Finance Manager and Company Secretary of Geosource UK Ltd a

subsidiary of Geosource Inc, a leading US oil exploration company, from 1981 until 1988. He has also had extensive international treasury experience both as Finance Manager of Geosource UK Ltd and as Treasurer of Sony Broadcast & Communications Ltd, a subsidiary of Sony Corporation of Japan, from 1988 to 1996. He remains a non-executive director of Telecom plus PLC.

**Dr. Diego Benavides**  
**President Minera IRL SA**

Responsible for corporate, legal and community activities, Dr Benavides is a member of the Company's Merger and Acquisition Committee. He is a lawyer by training with particular experience in the Latin American mining industry. Previous experience includes positions with Minera Mount Isa Peru SA, Minera Newcrest Peru SA and as a consultant to Minera Phelps Dodge Del Peru SA.

As of 31 March 2010, the Company's directors and officers, as a group, beneficially own, control or direct (directly or indirectly), an aggregate of 7,465,677 shares, representing approximately 8.71% of the Company's Ordinary Shares.

**Corporate Governance**

Minera IRL has well defined policies that govern the Company. Strict environmental guidelines are followed at all projects and the Corihuarmi Gold Mine has been constructed under stringent environmental controls of an international standard. The Company has a very strong community relations team and a track record of working closely with the local people in all project areas. In addition to local employment and training, programs cover other areas of social importance including health, education and Company sponsored projects are aimed at sustainable development.

The board of directors maintains audit and remuneration committees which further assist in the governance of the Company. Public and investor relations management have been developed coincident with the move into the public arena.

**Audit Committee**

The Audit Committee is appointed by the board of directors of the Company to oversee the accounting and financial reporting process of the Company, management's reporting on internal controls, the system of internal accounting and financial controls and the audit procedures and audit plans. The Audit Committee also reviews and recommends to the board of directors for approval the financial statements, the reports and certain other documents required by regulatory authorities.

**Audit Committee Charter**

The Company's Audit Committee Charter (the "Charter") is attached as Appendix 1 hereto.

## **Composition of the Audit Committee**

As at the date hereof, the Audit Committee is composed of Graeme Ross, Doug Jones and Ken Judge, all of whom are “financially literate” and “independent” within the meaning of National Instrument 52-110 – *Audit Committees* (“NI 52-110”).

## **Relevant Education and Experience**

Mr. Ross, Chairman of the Audit Committee and a Chartered Accountant with over 25 years experience, has a clear understanding of the accounting principles used by the Company to prepare its financial statements; has the ability to assess the general application of such accounting principles in connection with the accounting for estimates, accruals and reserves; has experience preparing, auditing, analyzing or evaluating financial statements that present a breadth and level of complexity of accounting issues that are generally comparable to the breadth and complexity of issues that can reasonably be expected to be raised by the Company’s financial statements, and has an understanding of internal controls and procedures for financial reporting.

Mr. Judge’s business management and corporate development experience and public company directorships experience provides him with an understanding of the accounting principles used by the Company to prepare its financial statements, the ability to assess the general application of such accounting principles and analyze or evaluate financial statements, and an understanding of internal controls and procedures for financial reporting.

Mr Chamberlain’s industry experience in the management and administration of publicly traded mining and exploration companies, and with over 30 years mining industry experience, provides him with an understanding of the accounting principles used by the Company to prepare its financial statements, the ability to assess the general application of such accounting principles and analyze or evaluate financial statements, and an understanding of internal controls and procedures for financial reporting.

## **Reliance on Certain Exemptions**

At no time since the commencement of the Company’s most recently completed financial year has the Company relied on an exemption in Section 2.4 of NI 52-110 (*De Minimis Non-audit Services*), Section 3.2 of NI 52-110 (*Initial Public Offerings*), Section 3.4 of NI 52-110 (*Events Outside Control of Member*), Section 3.5 of NI 52-110 (*Death, Disability or Resignation of Audit Committee Member*), Section 3.3(2) of NI 52-110 (*Controlled Companies*), Section 3.6 of NI 52-110 (*Temporary Exemption for Limited and Exceptional Circumstances*), Section 3.8 (*Acquisition of Financial Literacy*) or an exemption from NI 52-110, in whole or in part, granted under Part 8 thereof.

### **Audit Committee Oversight**

At no time since the commencement of Minera IRL's most recently completed financial year has the Audit Committee made a recommendation to nominate or compensate an external auditor not adopted by the Board.

### **Pre-Approval Policies and Procedures**

The Audit Committee is authorized by the Board to review the performance of the Company's external auditors and approve in advance provision of services other than auditing and to consider the independence of the external auditors, including a review of the range of services provided in the context of all consulting services bought by the Company. The Audit Committee is authorized to approve in writing any non-audit services or additional work which the Chairman of the Audit Committee deems to be necessary, and the Chairman will notify the other members of the Audit Committee of such non-audit or additional work and the reasons for such non-audit work for the committee's consideration, and if thought fit, approval in writing.

### **External Auditor Service Fees**

The following table summarizes the aggregate fees billed by the Company's external auditors (on a consolidated basis) during the two most recent completed financial years:

| <b>Type of Work</b>               | <b>Year ended<br/>31 December 2008</b> | <b>Year ended<br/>31 December 2009</b> |
|-----------------------------------|--|--|
| Audit Fees <sup>(1)</sup>         | US\$80,000                             | US\$113,000                            |
| Audit-related Fees <sup>(2)</sup> | US\$37,000                             | US\$54,000                             |
| Tax Fees <sup>(3)</sup>           | -                                      | -                                      |
| All Other Fees <sup>(4)</sup>     | -                                      | US\$57,000                             |

- (1). The aggregate fees billed by the Company's external auditor for audit services.
- (2). The aggregate fees billed for assurance and related services that are reasonably related to the performance of the audit or review of the Company's consolidated financial statements and are not reported as "Audit fees".
- (3). The aggregate fees billed for tax compliance, advice, planning and assistance with tax for specific transactions.
- (4). The aggregate fees billed for advisory services.

### **Remuneration/Compensation Committee**

The Remuneration/Compensation Committee is appointed by the board of directors of the Company to develop the compensation policy for the Company, review remuneration levels and review stock option allocations.

## 11 CEASE TRADE ORDERS, BANKRUPTCIES, PENALTIES AND SANCTIONS

None of the Company's directors or executive officers is, as at the date of this AIF, or has been within the 10 years before the date of this AIF, a director, chief executive officer or chief financial officer of any company (including Minera IRL) that was subject to one of the following orders, that was in effect for a period of more than 30 consecutive days:

- (a) a cease trade order, an order similar to a cease trade order or an order that denied the company access to any exemption under securities legislation that was issued while the director, chief executive officer or chief financial officer was acting in the capacity as director, chief executive officer or chief financial officer; or
- (b) a cease trade order, an order similar to a cease trade order or an order that denied the company access to any exemption under securities legislation that was issued after the director or executive officer ceased to be a director, chief executive officer or chief financial officer and which resulted from an event that occurred while that person was acting in the capacity as director, chief executive officer or chief financial officer.

Except as disclosed below, none of the Company's directors or executive officers, or shareholders holding a sufficient number of our securities to affect materially control of the Company:

- (a) is, as at the date of this AIF, or has been within the 10 years before the date of this AIF, a director or executive officer of any company (including Minera IRL) that, while that person was acting in that capacity, or within a year of that person ceasing to act in that capacity, became bankrupt, made a proposal under any legislation relating to bankruptcy or insolvency or was subject to or instituted any proceedings, arrangement or compromise with creditors or had a receiver, receiver manager or trustee appointed to hold its assets; or
- (b) has, within the 10 years before the date of this AIF, become bankrupt, made a proposal under any legislation relating to bankruptcy or insolvency, or become subject to or instituted any proceedings, arrangement or compromise with creditors, or had a receiver, receiver manager or trustee appointed to hold the assets of the director, executive officer or the shareholder; or
- (c) has been subject to any penalties or sanctions imposed by a court relating to securities legislation or by a securities regulatory authority or has entered into a settlement agreement with a securities regulatory authority or has been subject to any other penalties or sanctions imposed by a court or a regulatory body that would likely be considered important to a reasonable investor in making an investment decision.

## **12 LEGAL PROCEEDINGS**

The Company is not currently involved in any legal proceedings nor was it involved in any legal proceedings in the financial year ended 31 December 2009 and nor to the knowledge of management, are there any legal proceedings which may materially affect the business and affairs of the Company.

## **13 INTEREST OF MANAGEMENT AND OTHERS IN MATERIAL TRANSACTIONS**

During the current financial year and the three most recently completed financial years, no director, executive officer or person or company that beneficially owns, controls or directs, directly or indirectly, more than 10% of the Ordinary Shares of the Company or any associate or affiliate of such persons or companies had any material interest, direct or indirect, in any transaction which has materially affected or is reasonably expected to materially affect the Company or its subsidiaries.

## **14 TRANSFER AGENTS AND REGISTRARS**

### **Principal Registrar**

Computershare Investor Services (Jersey) Limited  
PO Box 83  
Ordnance House  
Pier Road  
St Helier  
Jersey JF4 8PW

### **Canada - Branch Registrar and Transfer Agent**

Computershare Investor Services Inc.  
University Avenue  
Toronto, Ontario  
M5J 2Y1  
Canada

### **Peru - Transfer Agent**

Registro Central de Valores y Liquidaciones (CAVALI)  
Avenida Santo Toribio 143, oficina 501,  
San Isidro, Lima 27  
Perú.

## 15 MATERIAL CONTRACTS

The Company has the following material contracts that were entered into by the Company within the most recently completed financial year or were entered into since 27 August 2003 (date of incorporation) and are still in effect:

### **Implementation Agreement**

On 20 October 2009, Minera IRL and Hidefield entered into an implementation agreement (the “Implementation Agreement”) under the terms of which they agreed to implement the takeover of Hidefield by Minera IRL via a Scheme of Arrangement. The Implementation Agreement also contains certain assurances and confirmations between Minera IRL and Hidefield. The Scheme of Arrangement became effective on 21 December 2009, resulting in the completion of the acquisition of Hidefield by Minera IRL.

### **Placing Agreement**

A placing agreement was entered into on 9 June 2009 between Minera IRL, Arbuthnot Securities Limited (“Arbuthnot”) and Fox-Davies Capital (the “Placing Agreement”) pursuant to which and conditional upon, inter alia, admission to trading of shares taking place, Arbuthnot and Fox-Davies Capital as joint brokers agreed to use reasonable endeavours to procure subscribers for 13,615,556 Ordinary Shares.

The Placing Agreement contained warranties and indemnities from Minera IRL in favour of Arbuthnot and Fox-Davies Capital, together with provisions which enabled Arbuthnot and Fox-Davies Capital to terminate the Placing Agreement if certain circumstances have arisen prior to admission of the placing shares. This included circumstances where any warranties were not found to be true or accurate in any material respect, or in the case of a material adverse change in the financial or trading position or prospects of Minera IRL.

Under the Placing Agreement Minera IRL agreed to pay (i) Arbuthnot a corporate finance fee of £50,000; (ii) Arbuthnot a commission of an amount equal to 5% of the funds raised by Arbuthnot pursuant to the placing, plus costs, expenses and VAT, where appropriate; (iii) Arbuthnot a commission of 1% of funds raised by Arbuthnot pursuant to the placing with two particular sets of placees; (iv) Arbuthnot a commission of 2.5% of total funds raised pursuant to the placing less funds raised by Fox-Davies Capital pursuant to the placing; (v) Fox-Davies Capital a commission of an amount equal to 5% of the funds raised by Fox-Davies Capital pursuant to the placing plus costs, expenses and VAT, where appropriate; (vi) Fox-Davies Capital a commission of 1% of funds raised by Arbuthnot pursuant to the placing with two particular sets of placees; and (vii) Fox-Davies Capital a commission of 2.5% of total funds raised pursuant to the placing less funds raised by Arbuthnot pursuant to the placing.

## Feasibility Finance Facility Agreement

Pursuant to a deed of amendment and restatement to the feasibility finance facility agreement dated February 2008 between Macquarie Bank Limited (“Macquarie”), Minera IRL SA and Minera IRL, the terms of the feasibility finance facility agreement dated 17 August 2006 between the same parties were amended and restated. Pursuant to the terms of the feasibility finance facility agreement, Macquarie provided Minera IRL with a US\$2,000,000 facility to be drawn in two tranches for the purposes of additional working capital and the funding of the development of the Corihuarmi Gold Mine and other mining projects. Minera IRL granted Macquarie 1,904,800 options with an exercise price of US\$1.05 per share and exercisable on or before 30 June 2009. Pursuant to the deed of amendment and restatement, the facility was increased to a tranche 1 limit of US\$2,000,000 and a tranche 2 limit of US\$3,000,000. In relation to the tranche 2 limit, the additional facility was added for the purposes of funding protection from the risk of gold price fluctuation. Minera IRL granted Macquarie 2,956,248 options with an exercise price of US\$1.0148 per share and exercisable on or before 30 June 2009.

A first amending deed dated 27 March 2009 (to the deed of amendment and restatement to the feasibility finance facility agreement dated 20 February 2008) was executed by Macquarie, Minera IRL SA and Minera IRL pursuant (inter alia) to which the expiry date for the facility was changed to 30 June 2010 and the tranche 1 limit and tranche 2 limits were both amended to US\$2,500,000. The options issued to Macquarie were re-issued with an exercise date of 30 June 2010.

## Working Capital Facility Agreement

On 6 October 2006, a working capital facility agreement was entered into among Minera IRL, Resource Capital Fund III LP (“Resource Capital”) and Minera IRL SA pursuant to which Resource Capital agreed to make available a working capital credit facility of up to a maximum amount of US\$1,000,000 to Minera IRL and Minera IRL SA from the commencement date of the agreement until 31 October 2006. This facility would enable Minera IRL to fund, inter alia, initial work at the Jaguelito Project<sup>1</sup>. The outstanding commitment under this facility must be repaid in full on or before 30 June 2010 (pursuant to an amending deed dated May 2009 between the same parties). Interest is payable on amounts outstanding under this facility at the sum of 2.5% per annum (pursuant to an amending deed dated May 2009 between the same parties) and the rate determined by Resource Capital by reference to LIBOR. Minera IRL covenants that, inter alia, it must not incur “financial indebtedness” (as defined in the working capital facility agreement) in an amount greater than US\$750,000 in aggregate or create any encumbrances over any of its assets or the assets of Minera IRL SA without the prior written consent of Resource Capital. The prior written consent of Resource Capital is also required for the incorporation of any new subsidiaries or for the subscription of new shares in any companies that are not parties to the transaction contemplated by the facility. On listing on

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<sup>1</sup> The Jaguelito Project is a project located in San Juan, Argentina. In 2006, the Company entered into a number of agreements to acquire the Jaguelito Project. However, in late 2007, the Company relinquished all rights to acquire the Jaguelito Project.

AIM, Minera IRL was required to execute an indemnity in favour of Resource Capital with respect to the amount secured by the facility. Minera IRL is also required to notify Resource Capital in the event of any change in jurisdiction of registration of Minera IRL. In consideration for the facility, Minera IRL granted Resource Capital 952,400 options at an exercise price of US\$1.05 per share which were exercisable at any time until 30 June 2009. On 29 June 2009 these options were re-issued with an exercise date of 30 June 2010 in consideration for extending the maturity of the facility to 30 June 2010.

In connection with the finance facility provided by Macquarie and the working capital facility provided by Resource Capital, Minera IRL, as at 13 December 2006, granted security in favour of Macquarie and Resource Capital over (i) its bank account in Jersey; and (ii) all of the shares and related rights held by Minera IRL in two of Minera IRL's subsidiaries, Minera IRL SA and Minera IRL Argentina SA.

### **Ollachea Surface Agreement**

MKK entered into a surface contract dated 25 November 2007 with Comunidad Campesina de Ollachea. See "Projects - Ollachea" and "General Development of the Business".

### **Ollachea Option Agreement**

Minera IRL and Minera IRL SA entered into an agreement dated 1 September 2006 with Rio Tinto and Felipe Benavides regarding the Ollachea Project. See "Projects - Ollachea" and "General Development of the Business".

### **Corihuarmi Surface Rights Agreements**

Minera IRL SA entered into a surface land concession agreement with Comunidad Campesina de Atcas dated 9 November 2004 regarding the Corihuarmi Project. See "Projects - Corihuarmi".

Minera IRL SA entered into a surface land usufruct agreement with Comunidad Campesina de Huantan dated 12 July 2006 regarding the Corihuarmi Project. See "Projects - Corihuarmi".

### **Corihuarmi Assignment Agreement**

On 21 October 2002, Minera IRL SA and Minera Andina de Exploraciones SAA entered into an assignment agreement regarding the Corihuarmi Project. See "Projects - Corihuarmi" and "General Development of the Business".

## **16 INTERESTS OF EXPERTS**

The following persons or companies have been named as having prepared or certified a report described or included in a filing, or referred to in a filing made under National Instrument 51-102 - Continuous Disclosure Obligations during or relating to the most recently completed

financial year and for the period subsequent to the end of the most recently completed financial year to date the date of this AIF.

Beau Nicholls, BSc (Geo), MAIG, Geology Manager - Brazil; Doug Corley, BAppSc (Geo), BSc(Hons),MAIG, Associate Resource Geologist; Jean-Francois St Onge eng., B.Sc.A. (Mining), MAusIMM, Mining Engineer; Barry Cloult, BAppSc (Eng Met), MAusIMM, Chief Metallurgist; and Alex Virisheff BSc (Hons) (Geo), MAusIMM, MGSA, Principal Consultant - Resources; of Coffey Mining Pty Ltd are the authors of the Corihuarmi Report dated 6 April 2010. Neither of them have an interest in the Company.

Beau Nicholls, BSc (Geo), MAIG, Geology Manager - Brazil; Bernardo Viana, Resource Geologist, BSc (Geo), MAIG; Jean-Francois St Onge eng., B.Sc.A. (Mining), MAusIMM, Mining Engineer; and Barry Cloult, BAppSc (Eng Met), MAusIMM, Chief Metallurgist; of Coffey Mining Pty Ltd are the authors of the Ollachea Report dated 6 April 2010. Neither of them have an interest in the Company.

Paul Payne, BAppSc, Grad Dip, Grad Cert, MAusIMM, Manager Mining Consulting WA of Runge Limited is the author of the Don Nicolàs Report dated 1 April 2010. Mr Payne does not have an interest in the Company.

PKF (UK) LLP is the auditor who prepared the auditor's report for the Company's annual financial statements for the financial year ended 31 December 2009 and 2008. PKF (UK) LLP is independent with respect to the Company within the meaning of the Rules of Professional Conduct of the Institute of Chartered Accountants of British Columbia and the rules of the US Securities and Exchange Commission.

## **17 AUDITORS**

PKF (UK) LLP of Farringdon Place, 20 Farringdon Road, London, EC1M 3AP have been the auditors for the Company from 30 October 2006.

## **18 ADDITIONAL INFORMATION**

Additional information relating to the Company may be found on the Company's SEDAR profile at [www.sedar.com](http://www.sedar.com).

Additional information is provided in the Company's financial statements and management's discussion and analysis thereon for the most recently completed financial year.

### **Information Regarding Jersey Law**

The Company's registered office address is Ordnance House, 31 Pier Road, St Helier, Jersey and its public company registration number is 94923.

1. If you are in any doubt as to the content of this document, you should consult your stockbroker, bank manager, solicitor, accountant or other financial adviser.
2. A copy of this document has been delivered to the registrar of companies in accordance with Article 5 of the Companies (General Provisions) (Jersey) Order 2002, and the registrar has given, and has not withdrawn, consent to its circulation.
3. The Jersey Financial Services Commission has given, and has not withdrawn, its consent under Article 2 of the Control of Borrowing (Jersey) Order 1958 to the issue of the Ordinary Shares. The Jersey Financial Services Commission is protected by the Control of Borrowing (Jersey) Law 1947 from any liability arising from the discharge of its functions under that law.
4. It must be distinctly understood that, in giving these consents, neither the registrar of companies nor the Jersey Financial Services Commission takes any responsibility for the financial soundness of the company or for the correctness of any statements made, or opinions expressed, with regard to it.
5. Minera IRL has taken all reasonable care to ensure that the facts stated in this document are true and accurate in all material respects, and that there are no other facts the omission of which would make misleading any statement in the document, whether of facts or of opinion. Minera IRL accepts responsibility accordingly.
6. It should be remembered that the price of Ordinary Shares and the income from them can go down as well as up.

## APPENDIX 1 - AUDIT COMMITTEE CHARTER

### Overview and Purpose

The Audit Committee (the “Committee”) is responsible to the Board of Directors (the “Board”). The Committee approves, monitors, evaluates, advises or makes recommendations to the Board, in accordance with these terms of reference, on matters affecting the external audit and the financial reporting and accounting control policies and practices of the Company.

The purpose of the Committee is to assist the Board in its oversight of:

1. the integrity of the Company’s financial statements and related information;
2. the Company’s compliance with applicable legal and regulatory requirements;
3. the independence, qualifications and appointment of the shareholders’ auditor;
4. the performance of the Company’s shareholders’ auditor; and
5. management responsibility for reporting on internal controls and risk management.

### Membership and Attendance at Meetings

1. The members of the Committee shall consist of the Chief Executive Officer plus a minimum of two independent and financially literate (as defined by securities legislation) Directors, appointed by the Board.
2. The Chair of the Committee shall be designated by the Board.
3. Attendance by invitation at all or a portion of Committee meetings is determined by the Committee Chair or its members and would normally include the Chief Financial Officer of the Company, the auditor, and such other corporate officers, advisors, or support staff as may be deemed appropriate.

### Duties and Responsibilities of the Audit Committee

1. Financial Accountability
  - a. To review, and recommend to the Board for approval, the annual audited financial statements.
  - b. To review, and recommend to the Board for approval, the following public disclosure documents:
    - i. the financial content of the annual report;
    - ii. the annual Management information circular and proxy materials;
    - iii. the annual information form; and
    - iv. Management discussion and analysis section of the annual report.
  - c. To review, and recommend to the Board for approval, all financial statements, reports of a financial nature, and the financial content of prospectuses or any other

- reports which require approval by the Board prior to submission thereof to the shareholders, any regulatory authority, or the public.
- d. To review any report of Management which accompanies published financial statements (to the extent such a report discusses the financial position or operating results) for consistency of disclosure with the financial statements themselves.
  - e. To review and assess, in conjunction with Management and the external auditor:
    - i. the appropriateness of accounting policies and financial reporting practices used by the Company;
    - ii. any significant proposed changes in financial reporting and accounting policies and practices to be adopted by the Company;
    - iii. any new or pending developments in accounting and reporting standards that may affect or impact on the Company;
    - iv. identification of the Company's principal financial risks and uncertainties and the systems to manage such risks and uncertainties;
    - v. the integrity (including without limitation, the effectiveness) of the Company's disclosure controls and procedures, internal control and Management information systems; and
    - vi. the key estimates and judgments of Management that may be material to the financial reporting of the Company.
  - f. To assess periodically and be satisfied that adequate procedures are in place for the review of the Company's public disclosure of financial information extracted or derived from the Company's financial statements.
  - g. To assess the performance and consider the annual appointment of external auditors for the purpose of preparing or issuing an audit report or performing other audit, review or attest services for the Company.
  - h. To recommend to the Board the compensation of external auditors.
  - i. To review the terms of the annual external audit engagement including, but not limited to, the following:
    - i. staffing;
    - ii. objectives and scope of the external audit work;
    - iii. materiality limits;
    - iv. audit reports required;
    - v. areas of audit risk;
    - vi. timetable; and
    - vii. the proposed fees.
  - j. To review with the external auditors the results of the annual audit examination including, but not limited to the following:
    - i. any difficulties encountered, or restrictions imposed by Management, during the annual audit;

- ii. any significant accounting or financial reporting issues;
  - iii. the auditor's evaluation of the Company's system of internal accounting controls, procedures and documentation;
  - iv. the post-audit or Management letter containing any findings or recommendations of the external auditor including Management's response thereto and the subsequent follow-up to any identified internal accounting control weaknesses; and
  - v. any other matters which the external auditors should bring to the attention of the Committee
- k. To obtain reasonable assurance, by discussions with and reports from Management and the external auditors, that the accounting systems are reliable and that the system of internal controls is effectively designed and implemented.
  - l. When there is to be a change in auditor, review all issues related to the change, including the information to be included in the notice of change of auditor called for under applicable securities regulations and the rules of applicable exchanges, and the planned steps for an orderly transition.
  - m. To review any litigation, claim or other contingency, including tax assessments that could have a material effect upon the financial position or operating results of the Company, and the manner in which these matters have been disclosed in the financial statements.
  - n. To review the internal control and approval policies and practices concerning the expenses of the officers of the Company, including the use of the Company's assets.
  - o. To review any claims of indemnification pursuant to the Bylaws of the Company.
  - p. To review, and recommend to the Board for approval, the Management report to be included in the annual report to shareholders.
  - q. To request such information and explanations in regard to the accounts of the Company as the Committee may consider necessary and appropriate to carry out its duties and responsibilities.
  - r. To request that the Chief Executive Officer and Chief Financial Officer or persons who perform functions similar to them, report on issues which are the subject of any Certificates to be signed and filed in accordance with applicable securities regulations by the Chief Executive Officer and Chief Financial Officer or persons who perform functions similar to them; and to review such report.
  - s. To establish procedures for:
    - i. the receipt, retention and treatment of complaints received by the Company regarding accounting, internal accounting controls, or auditing matters;
    - ii. the confidential, anonymous submission by employees of the Company of concerns regarding questionable accounting or auditing matters; and

- iii. the confidential, anonymous submission by employees of the Company of concerns regarding questionable practices or complaints raised through the whistle blower policy.
  - t. To review and approve the Company's hiring policies regarding employees and former employees of the present and former external auditors of the Company.
2. Oversight of the Company's Risk Management
- To ensure that Management discharges its responsibility to identify and mitigate financial risks faced by the Company. To review, monitor, report and, where appropriate, provide recommendations to the Board on the following:
- a) the Company's processes for identifying, assessing and managing risk; and
  - b) the Company's major financial risk exposures and the steps the Company has taken to monitor and control such exposures.

### **General Responsibilities**

1. To consider any other matters which, in the opinion of the Committee or at the request of the Board, would assist the Directors to meet their responsibilities.
2. To review annually the terms of reference for the Committee and to recommend any required changes to the Board.
3. To provide reports and minutes of meetings to the Board.

### **Meetings**

1. Regular meetings of the Committee are held at least two times each year.
2. Meetings may be called by the Committee chair or by a majority of the Committee members, and usually in consultation with Management.
3. Meetings are chaired by the Committee Chair or, in the Chair's absence, by an independent member chosen by the Committee from among themselves.
4. A quorum for the transaction of business at any meeting of the Committee is a majority of members.
5. Meetings may be conducted with members present, or by telephone or other communications facilities which permit all persons participating in the meeting to hear or communicate with each other.
6. A written resolution signed by all Committee members entitled to vote on that resolution at a meeting of the Committee is as valid as one passed at a Committee meeting.

### **Authority of the Committee**

1. The Committee shall have the authority to engage independent counsel and other advisors as it determines necessary to carry out its duties;
2. to set and pay the compensation for any advisors employed by the committee; and,
3. to communicate directly with the internal (if any) and external auditors.