Marengo Mining Limited

March 2009 Quarterly Activities Report

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www.marengomining.com

ASX/POMSoX Share Code: MGO
TSX Share Code: MRN

HIGHLIGHTS

YANDERA COPPER-MOLYBDENUM PROJECT

Definitive Feasibility Study

- **Significant project savings identified by relocating a portion of the processing plant to a coastal location.**
- **Metallurgical sample drilling produces higher grade intercepts, including:**
  - **132 metres @ 1.53% CuEq (1.09%CU)**
  - **199 metres @ 1.15% CuEq (0.68%Cu)**
- **A hydroelectric power scoping study has identified the potential to produce up to 110MW from locations in the Yandera district.**
- **Rougher flotation metallurgical testwork completed.**

Exploration

- **New copper discovery at Kombruku, 4 kilometres from the Yandera Central Porphyry**.

CORPORATE

- **Cash balance at quarter end of A$8.02M (C$6.87M).**

Note: Marengo logo painted on Yandera core shed by Sgt Jacob Koito (PNG Police Reserve).

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ASX

ABOUT MARENGO MINING

Marengo Mining Limited is an Australian-based metals company focused on the development of its 100%-owned Yandera Copper-Molybdenum Project in Papua New Guinea (PNG).

With its headquarters in Perth, Western Australia, Marengo listed on the Australian Securities Exchange on November 13, 2003 and subsequently on Papua New Guinea's POMSoX on November 10, 2006. Marengo reinforced its global development strategy with the successful completion of a listing on the Toronto Stock Exchange in April 2008.

In 2007 and 2008, Marengo successfully raised A$46 million, underpinning the current Definitive Feasibility Study on the Yandera Project.
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For current resource estimates for the Yandera Project refer to the Company's website (**www.marengomining.com**)

YANDERA PROJECT, MADANG PROVINCE, PNG

(MARENGO MINING LIMITED – 100%)

Definitive Feasibility Study

During the Quarter several mine site process plant locations were proposed and examined. The prime site underwent geotechnical investigation and is currently under review. A mineral processing trade-off study was conducted to refine the plant layout surrounding the base case of a single Semi Autogenous/Ball Mill Circuit in tandem with flotation. The outcome was that significant project savings will be realised by separating the process sites with communition being located at the mine site and flotation to be located nearer the coast. This concept has the added benefit of:

- spreading employment and community benefits over several regional areas.
- a reduced environmental risk associated with pumping ore compared to pumping concentrate.
- a reduced environmental risk associated with minimising the transport of processing reagents and chemicals over a longer distance and into mountainous terrains.
- allowing for a significant proportion of residential employees to live near the coast.

Several near coast locations are currently under examination to determine suitability.

During the Quarter, Rougher Flotation metallurgical test work was also conducted and completed and results are awaited. This will deliver more accurate recovery and production data relevant to the project. A short study was also conducted focussing on the possible recoverability of a magnetite by-product and a report is due soon.

A new trade-off study has been initiated to optimise the communition circuit. This will examine multi-stage crushing, high pressure grinding rolls and SAG mills to determine the preferred arrangement which will be most economical in production.

A mining methodology trade-off study was initiated to examine the suitability of in-pit crushing and conveying against the conventional load and haul option. This is aimed at reducing long haul profiles and subsequently reducing dump truck numbers and operating costs. This included contributions from several mobile equipment and in-pit crushing, and conveyor suppliers, and consultants. Several site strategies have been proposed and are undergoing examination for operational and financial suitability.

A hydroelectric power scoping study was conducted with strong emphasis placed upon proximity to the project, practicality of implementation and a low ceiling of combined capital and operating costs. Six potential projects, totalling approximately 110 MW, were identified and studied. This was finalised by a site visit to physically examine and confirm locations and routes. The outcomes are currently being reviewed and direction strategies are under discussion. Meanwhile, further cost modelling related to heavy fuel oil, light fuel oil and natural gas, self power generation options were continued during the Quarter. Also, several renewable energy system based mini-projects have been commenced aimed at reducing power transmission to semi-portable infrastructure installations.

A ground referencing survey was conducted to support the airborne LiDAR survey which were completed at the end of last quarter. Permanent and temporary survey marks were established and utilised from the Madang airport, along the coastline, across the Ramu Valley and at the Yandera site. The processed LiDAR data and the ground referencing information have been passed onto consultants to establish a new, more accurate, digital terrain model for distribution internally and to external consultants. Work continued on several other trade-off studies resulting in the completion of numerous financial modelling exercises. The majority of this workload is conducted internally with some contributory assistance from our regular consultants and supply sources.

Within PNG, numerous discussions were held with government agencies, land owners, contractors, current and potential suppliers. Regular project updates were delivered to the Madang Provincial Government and several national government departments.

Project Drilling

Metallurgical Sample Drilling

Assay results (3m half core sampling) for those sections of core not sent for metallurgical testwork have been received and merged with the metallurgical sample assays. There were small sections of core sent for grinding tests which consequently were not assayed. These sections are taken at zero grade for the average calculations so the reported averages below may be considered conservative. The assays on the metallurgical samples were carried out by AMMTEC Metallurgical Laboratories in Perth, Western Australia.

Hole No	**YD173**	Gremi					
From	To	Width	Cu %	Mo ppm	Au ppm	Ag ppm	CuEq%
3	**202**	**199**	**0.68**	**464**	**0.14**	**0.76**	**1.15**

Note: CuEq % = Cu% + (Mo%x10). Au and Ag values are not included

191m to 197 not assayed, SAG tests. Assumed zero grade for average calculation.

Hole No	**YD177**	Gremi					
From	To	Width	Cu %	Mo ppm	Au ppm	Ag ppm	CuEq%
3	**197**	**194**	**0.43**	**85**	**0.22**	**1.93**	**0.51**

Note: CuEq % = Cu% + (Mo%x10). Au and Ag values are not included

137m to 146m not assayed, SAG tests. Assumed zero grade for average calculation.

Hole No	**YD180**	Omora					
From	To	Width	Cu %	Mo ppm	Au ppm	Ag ppm	CuEq%
59	**192**	**132**	**1.09**	**434**	**0.03**	**5.99**	**1.53**
246	264	18	0.54	592	0.02	3.77	1.13

Note: CuEq % = Cu% + (Mo%x10). Au and Ag values are not included

Hole No	**YD185**	Omora					
From	To	Width	Cu %	Mo ppm	Au ppm	Ag ppm	CuEq%
123	**260**	**137**	**0.49**	**473**	**0.06**	**2.1**	**0.97**

Note: CuEq % = Cu% + (Mo%x10). Au and Ag values are not included

182m to 188m not assayed, SAG tests. Assumed zero grade for average calculation.

The results are very encouraging and show good thicknesses of higher grade (+1% CuEq) resource. Of note are the elevated gold value in holes YD173 and YD177 (Gremi).

Resource Drilling

As reported in the last quarterly report, drilling during the first part of 2009 concentrated on areas of critical mine and infrastructure planning. Two holes for geotechnical purposes were planned for this and completed by the end of March.

In addition, all outstanding results from the 2008 resource drilling program were received during the Quarter. Some of the highlights of these results are as follows:

YD214 (Gremi-Omora) -60˚@ 210˚mag dip – depth 375.00m

This hole was drilled to test the ground between Omora and Gremi in a north-easterly direction and is interesting in that the assay results show a broad intersection over the first 57 m with a silver content averaging 3.9 g/t Ag. At the base of this interval the following occurs:

From	To	Width	Cu %	Mo ppm	Au g/t	Ag g/t	CuEq %
45	**57**	**12**	**0.91**	**223**	**0.14**	**5.53**	**1.13**

Note: CuEq % = Cu% + (Mo%x10). Au and Ag values are not included

YD228 (Gamagu) -65°@ 035° mag - depth 361.9 m

These results from a suite of holes planned to test the mineralisation encountered historically along the north flanks of the Imbruminda quartz core. Old assay data from the 1970s, backed up by Marengo's own field observations suggested the presence of near surface mineralisation. This hole was situated on the old DDH088 drill pad drilling towards the NE, away from the quartz core. Several significant intersections were encountered in this area.

From	To	Width	Cu %	Mo ppm	Au g/t	Ag g/t	CuEq %
60	**78**	**18**	**0.94**	**188**	**0.21**	**5.55**	**1.13**
123	**183**	**60**	**0.66**	**67**	**0.1**	**3.52**	**0.73**
Included in the above intersection:							
165	**177**	**12**	**1.53**	**144**	**0.30**	**10.58**	**1.68**

Note: CuEq % = Cu% + (Mo%x10). Au and Ag values are not included

YD229 (Gamagu) -60˚@ 030˚ - depth 339.50m

Of note in this hole are various Au-bearing intersections:

From	To	Width	Cu %	Mo ppm	Au g/t	Ag g/t	CuEq %
54	147	93	0.36	10	0.25	2.75	0.37
Within this intersection, the following:							
87	**123**	**36**	**0.39**	**10**	**0.49**	**3.99**	**0.40**

Note: CuEq % = Cu% + (Mo%x10). Au and Ag values are not included

YD237 (Mumnogoi) -50˚@ 275˚ - depth 344.60m

This hole was drilled to intersect a mineralized breccia along the Tumuanogoi Creek.

From	To	Width	Cu %	Mo ppm	Au g/t	Ag g/t	CuEq %
18	108	90	0.29	71	0.02	2.64	0.36
126	**162**	**40**	**0.36**	**53**	**0.02**	**3.26**	**0.42**

Note: CuEq % = Cu% + (Mo%x10). Au and Ag values are not included

YD238 (Mumnogoi) -50˚@ 045˚ - depth 220.00m

From	To	Width	Cu %	Mo ppm	Au g/t	Ag g/t	CuEq %
171	201	30	0.30	61	0.02	2.71	0.36

Note: CuEq % = Cu% + (Mo%x10). Au and Ag values are not included

YD240 (Imbruminda) -60˚@ 215˚ - depth 412.80m

This hole was drilled to follow up on mineralisation found in YD227.

From	To	Width	Cu %	Mo ppm	Au g/t	Ag g/t	CuEq %
303	**412.8**	**109.8**	**0.30**	**68**	**0.08**	**1.31**	**0.36**
Within this broad intersection the following higher grade zones are noted:							
303	327	24	0.44	135	0.06	1.50	0.58
360	387	27	0.23	29	0.11	1.04	0.26
396	412.8	16.8	0.42	94	0.17	1.53	0.51

Note: CuEq % = Cu% + (Mo%x10). Au and Ag values are not included

Figure 1

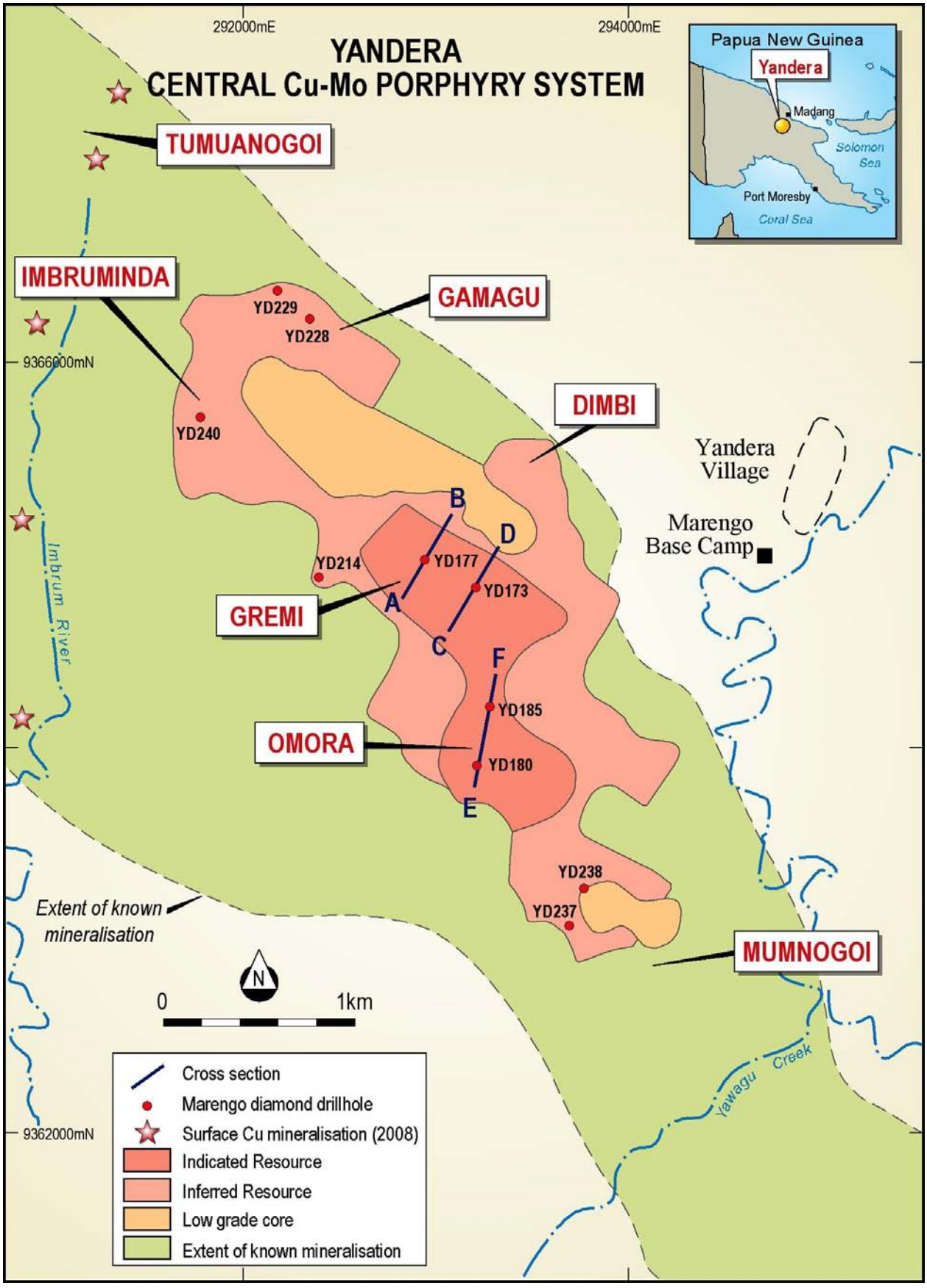

YANDERA
CENTRAL Cu-Mo PORPHYRY SYSTEM
292000mE
294000mE
9366000mN
9362000mN
TUMUANOGOI
IMBRUMINDA
GAMAGU
DIMBI
GREMI
OMORA
MUMNOGOI
YD229
YD228
YD240
YD214
YD177
YD173
YD185
YD180
YD238
YD237
A
B
C
D
E
F
Yandera Village
Marengo Base Camp
Imbrum River
Yawagu Creek
Extent of known mineralisation
N
0
1km
Papua New Guinea
Yandera
Madang
Solomon Sea
Port Moresby
Coral Sea
Cross section
Marengo diamond drillhole
Surface Cu mineralisation (2008)
Indicated Resource
Inferred Resource
Low grade core
Extent of known mineralisation

Figure 2

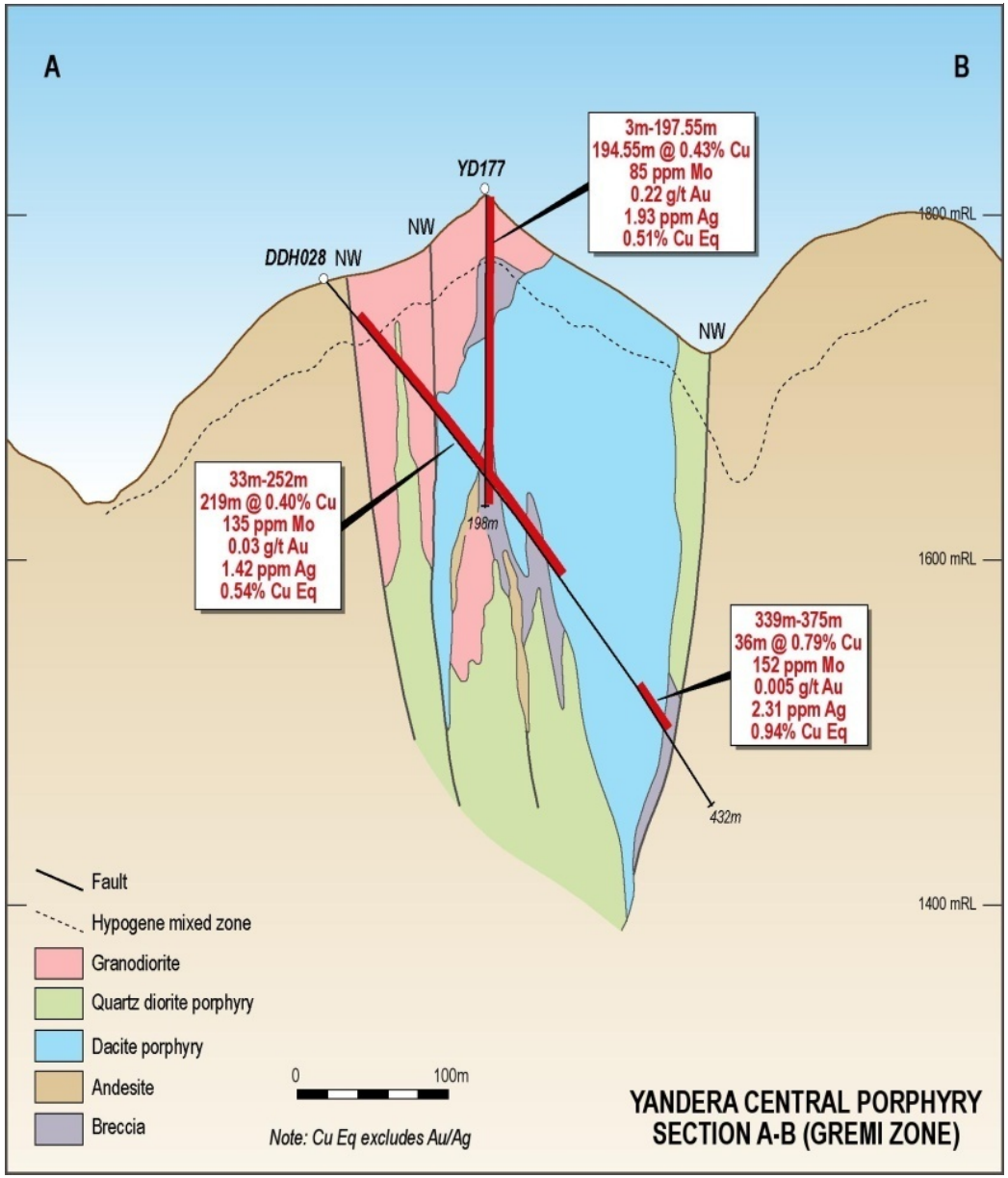


Figure 3

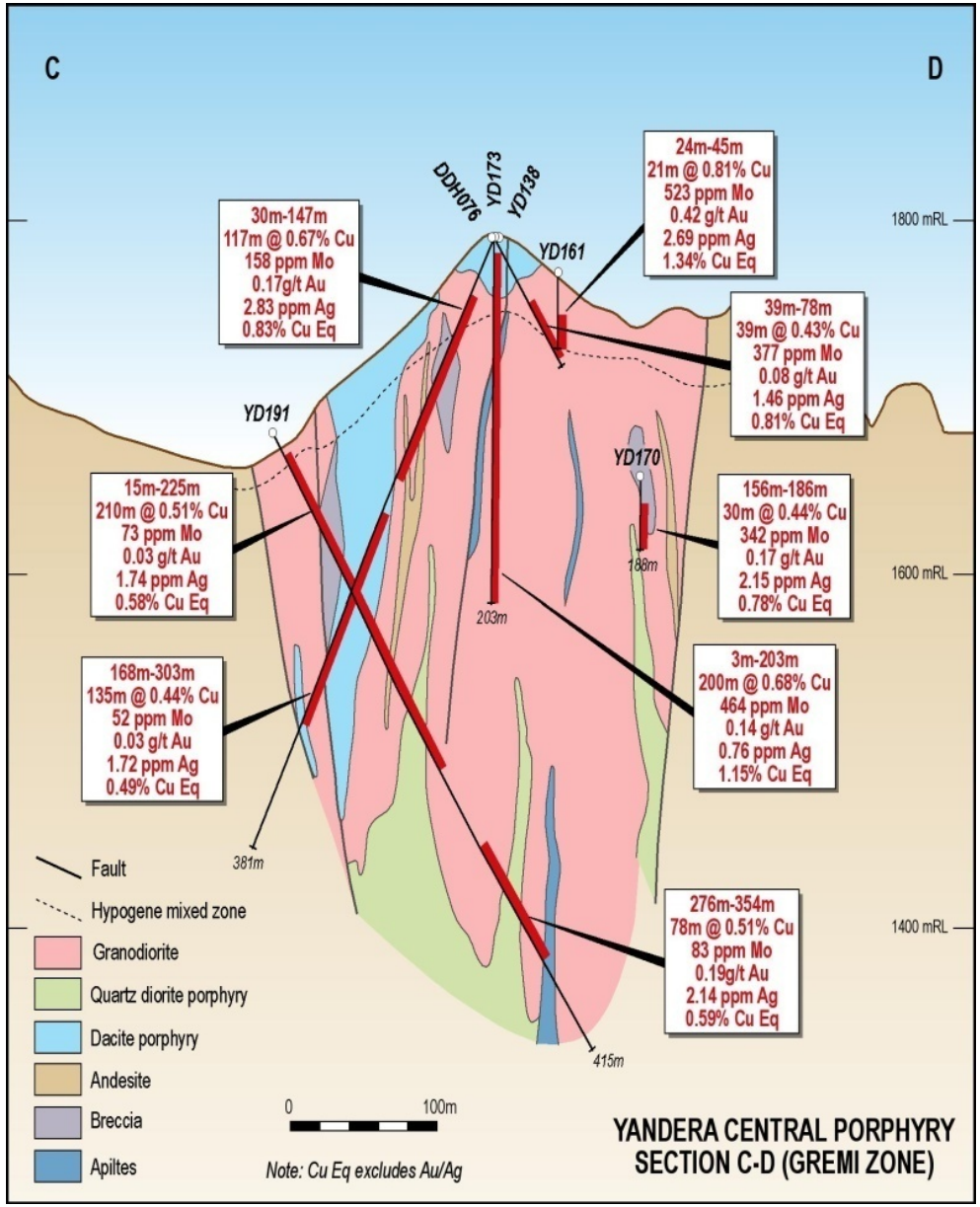
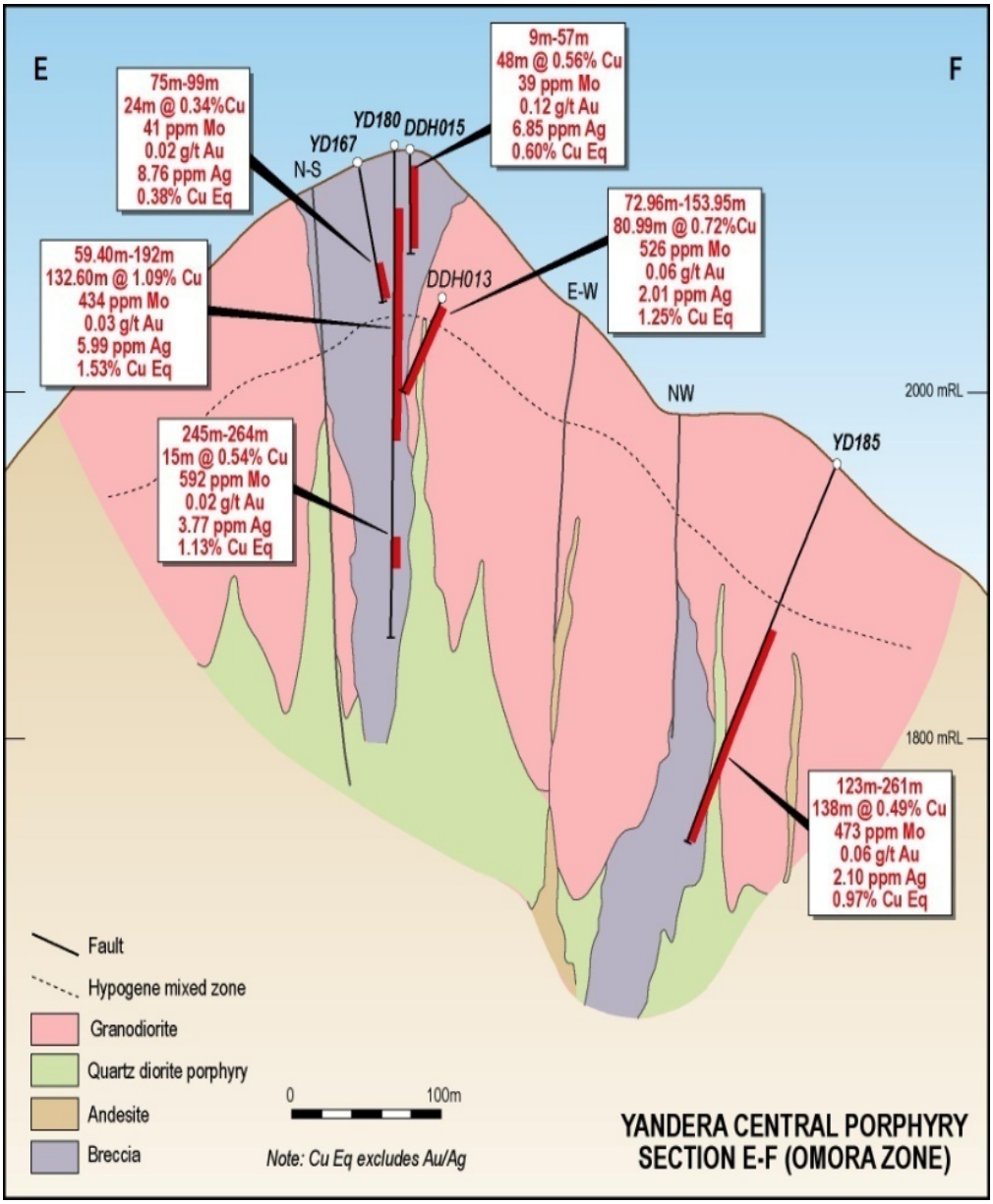


Figure 4



District Exploration

In addition to the limited engineering drilling completed at the end of March, the Company's primary focus on the exploration front has been in actively planning and implementing a geological mapping campaign to fully test the surrounding areas for potential new targets. Marengo is fully aware of the potential of its exploration licences around Yandera and is determined to exploit this ground to its best possible advantage, as the ground remains largely unexplored even after more than 40 years of exploration interest in the area.

Following start of the field season, mapping and prospecting work continued in the Tumuanogoi area and commenced in the Kombruku area. In the Tumuanogoi area the mineralisation appears to be an along strike extension of that already drilled at Imbruminda and Gremi. The mineralisation is fracture related and coincident with NW-SE and N-S orientated faults. The work in this area is gradually progressing north westwards towards Queen Bee, which is scheduled for mapping during June.

New Copper Discovery – Kombruku

The **Kombruku Prospect** encompasses a large area containing copper mineralisation with some outcropping samples containing high concentrations of copper sulphides and oxides.

This prospect has been subject to geological mapping and outcrop chip sampling over past weeks. To date, a total of 122 rock chip samples have been collected and tested with a Niton XRF Analyser (see below). Of these, 32 samples have returned copper readings between **0.1% and 36.9% Cu** (refer Fig 5). In addition, two samples were submitted for fire assay for gold with results of 0.55 and 0.08 g/t Au.

To date, the Company's exploration team has established that the Kombruku Prospect covers an area of some 8km^2 and appears to be related to north-west trending structures and porphyry intrusives, within a granodiorite host, similar to the Yandera deposit.

A program of systematic soil sampling including trenching and ground geophysical surveys, as necessary, will begin shortly, with the samples to be submitted for laboratory analysis. Based on the results of this work, it is anticipated that initial diamond drill testing will commence during the second half of 2009.

The geological mapping has shown that the mineralisation can best be interpreted as relating to a north-south orientated structure between north west – south east orientated strike slip faults.

This is the first time that any company has undertaken sampling in this particular area since exploration was first carried out in the Yandera region in the late 1960's, highlighting the significant untapped exploration potential of this region. The significance of the discovery is further enhanced given the fact that it lies less than 4 kilometres from the Yandera Central Porphyry deposit.

Mapping in the Kombruku area has already produced some positive results with many very high grade samples being located, as set out in Fig 5. This data averages 10 individual readings obtained using a Niton hand-held XRF analyser fixed in a bench-top test stand on fist-sized rock specimens pulped and placed in polypropylene sample mounts (see Note below). These samples are mostly vein/breccia-hosted with up to 60% matrix copper sulphide (mostly bornite and/or chalcopyrite). One of these samples is a magnetite-chalcopyrite-bearing skarn associated with fragments of metasedimentary hornfelses within the Bismarck Intrusive Complex granodiorite.

Note on the Niton data

The estimates of Cu for rock chip samples referred to in this report are based on an average of multiple readings on pulped rock samples using a Niton XLt3 portable XRF analyser. While Marengo believe that these data are indicative of grade, the Company wishes to make clear that the Niton results are not formal assays and are an estimate of Cu grades only.

Chalcopyrite/Bornite mineralisation
Kombruku Prospect

Niton XRF Analyser in Operation
at Yandera

Figure 5 - Kombruku Prospect 1

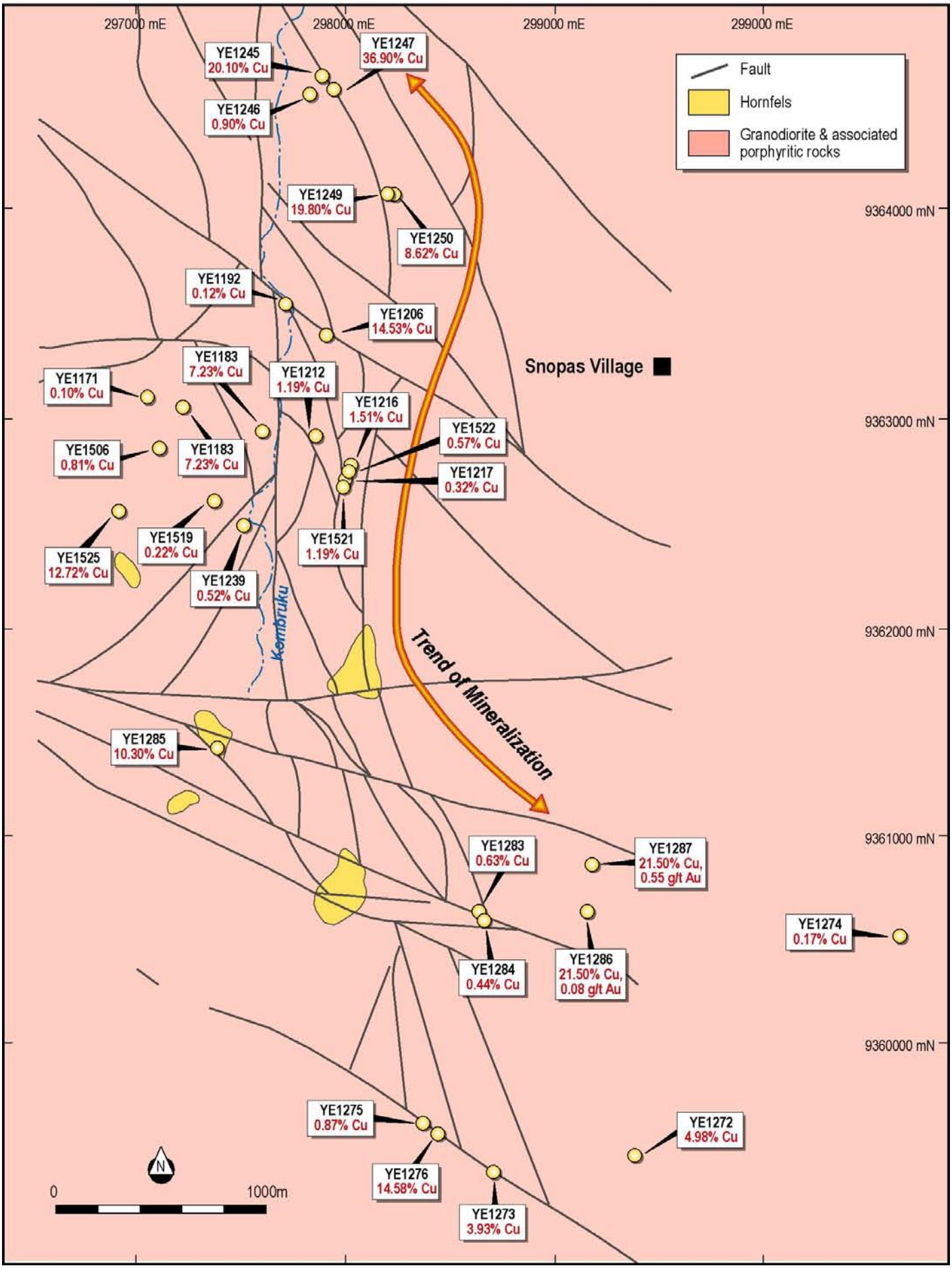
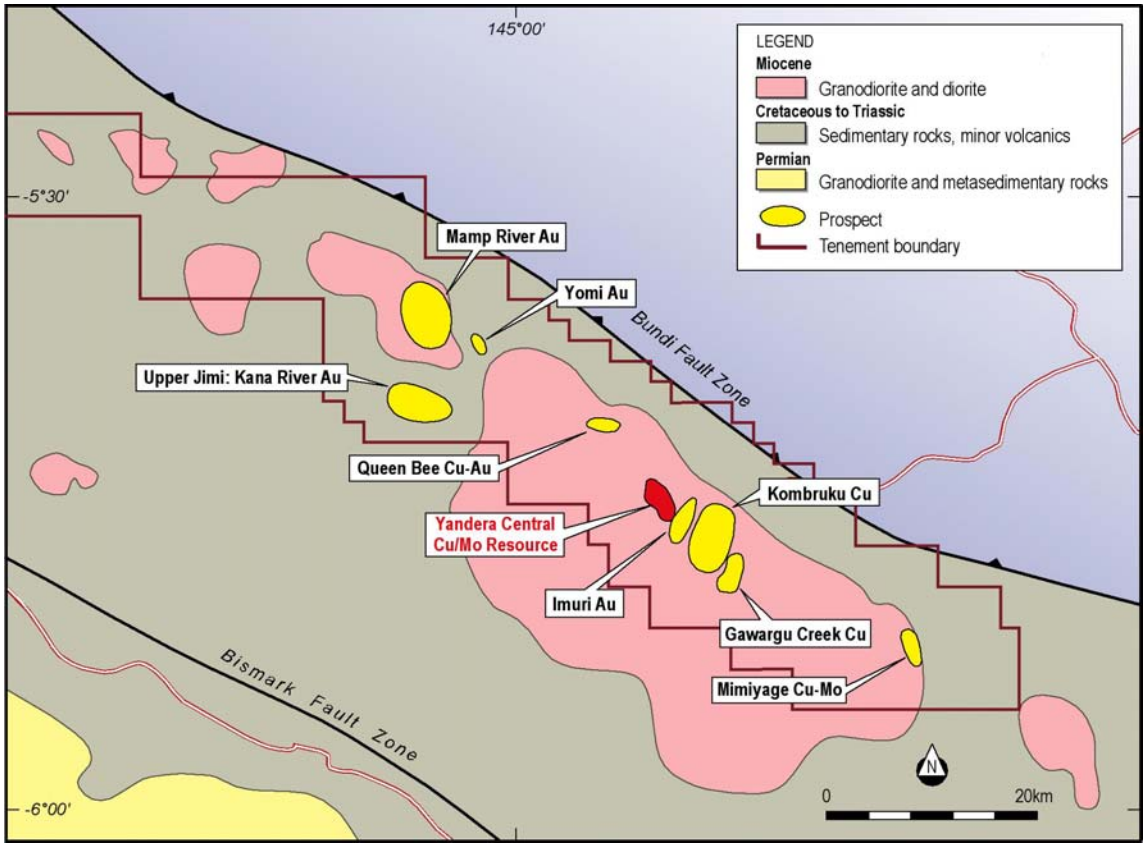


Figure 6 - Yandera Project - Prospects



Community Relations

Marengo takes pride in its approach to community relations and at all times is sensitive to the needs of all stakeholders as it moves forward with development of the Yandera Project.

During the Quarter a draft Yandera Project Landowner Association (LOA) constitution was circulated among the local community and Provincial Government for comment. This document is very important to the future progress of the project as it will set up the landowner body charged with representing landowners and the wider community in all dealings with the Company and Government. The draft LOA is now being finalised with the assistance of the Madang Provincial Government and further meetings will be held with landowners during the next quarter, to finalise the constitution.

Marengo's Community Relations Department also made good progress with clan boundary mapping and genealogy identification. The proposed Special Mining Lease boundary was revised, which required discussions with additional clans likely to be included into the LOA process.

Since Marengo commenced exploration work in the Yandera area community relations have been a very high priority and the local communities have enthusiastically supported the program. Marengo community affairs officers are located in several villages in the region and regular patrols and meetings are held to discuss exploration activities with local people, and address any questions or concerns they may have. Likewise Provincial and National Government agencies are kept informed on the project progress and are also very supportive.

OTHER PROJECTS

BOWGAN PROJECT, Northern Territory (Australia)
(Marengo Mining Limited, 49% diluting to 25%)

Marengo previously farmed out its Bowgan Project to a subsidiary of Mega Uranium Ltd ("Mega"), where, following the earning of a 51% interest in the project has elected to sole fund an additional A$400,000 to earn up to a 75% interest in the project.

Mega has reported that no activity was undertaken during the quarter.

CORPORATE AND FINANCIAL

Cash Reserves

The Company continues to be in a strong financial position with cash at bank of A$8.02M (C$6.87M) at the end of the quarter.

Company Secretary/Chief Financial Officer

During the quarter Mr Andrew Meloncelli ceased employment as Company Secretary/Chief Financial Officer.

Mr John Ribbons, B.Bus., CPA, ACIS has been appointed as interim Company Secretary/Chief Financial Officer. John is an accountant and Chartered Secretary who has worked within the resources industry for over fifteen years in the capacity of company accountant, group financial controller or company secretary.

Mr Ribbons has extensive knowledge and experience with ASX listed production and exploration companies. As a member of the DW Corporate team, a specialist provider of company secretarial/CFO services, John is currently engaged in that role for a number of ASX listed exploration companies. He has considerable site based experience with operating mines and has also been involved with the listing of several exploration companies on ASX. Mr Ribbons has experience in capital raising, ASX compliance and regulatory requirements.

Les Emery
Managing Director
28 April 2009

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NOTES

Certain statements in this report contain forward-looking information. These statements address future events and conditions and, as such, involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the statements. Such factors include, among others, the results of future exploration, risks inherent in resource estimates, increases in various capital costs, availability of financing and the acquisition of additional licences, permits and surface rights. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date the statements were made, and readers are advised to consider such forward looking statements in light of the risks set forth in the company's continuous disclosure filings as found at www.sedar.com

Copper equivalent (CuEq) values are estimated on the basis of CuEq = Cu +[Mo x 10), i.e. copper @ US$2/lb and molybdenum @ US$20/lb. Adjustment factors to account for differences in relative metallurgical recoveries will depend upon the completion of definitive metallurgical testing. Metallurgical recoveries and net smelter returns are assumed to be 100%. By Product metal values (i.e. gold, silver and rhenium) are not incorporated in the copper equivalent value.

Scientific and technical information in this report including that relating to drilling intercepts and mineralisation but excluding the Yandera resource estimate were prepared by Mr Peter Dendle. Mr Dendle is a member of the Australasian Institute of Mining and Metallurgy and a full-time employee of Marengo Mining Limited. Mr Dendle has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004 Edition). Mr Dendle is also a "Qualified Person" as defined by National Instrument 43-1-1 "*Standards of Disclosure for Mineral Projects"* ("NI 43-101") Mr Dendle verified the data underlying the information in this report prepared by him.

Except to the extent not set out herein, for a (i) summary description of rock types, geological controls and dimensions of mineralized zones, and the identification of any significantly higher grade intervals within a lower grade intersection; (ii) a summary of the relevant analytical values, widths and, to the extent known, the true widths of the mineralized zones; (iii) a summary description of the geology, mineral occurrences and nature of the mineralization found; and (iv) a summary description of the type of analytical or testing procedures utilized, sampled, sample size, the name and location of each analytical or testing laboratory used and any relationship of the laboratory to the issuer please refer to the Company's technical report filed on SEDAR and dated November 9, 2007. There is no drilling, sampling, recovery or other factors that could materially affect the accuracy or reliability of the data referred to below.

Mr Dendle consents in writing to the issue of this report, to the extent of matters based on his information in the form and context in which it appears.

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Chairman

Les Emery
Managing Director

Doug Dunnet
Non-Executive Director

Sir Rabbie Namaliu
Non-Executive Director

Susanne Sesselmann
Non-Executive Director

John W Hick
Non-Executive Director

Elizabeth Martin
Non-Executive Director

COMPANY SECRETARY
John Ribbons
Company Secretary & CFO

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