



**MARENGO**

MINING LIMITED

BUILDING A GLOBAL COPPER COMPANY

# Resources Rising Stars

## 28<sup>th</sup> September 2010

Les Emery – Managing Director / CEO



# Disclaimer

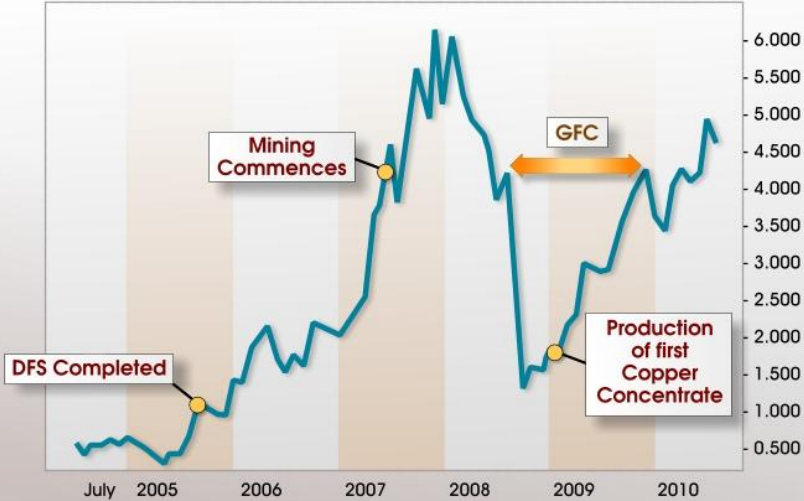


- ① The information contained herein, while obtained from sources believed to be reliable, is not guaranteed as to its accuracy or completeness. A preliminary prospectus containing important information relating to the ordinary shares of Marengo has been filed with securities commissions or similar authorities in certain jurisdictions of Canada. The preliminary prospectus is still subject to completion or amendment. Copies of the preliminary prospectus may be obtained from Paradigm Capital Inc. There will not be any sale or any acceptance until a receipt has been issued for the final prospectus. The securities referred to herein have not and will not be registered under the United States Securities Act of 1933, as amended, or any state securities laws and, subject to certain exceptions, may not be offered or sold within the United States or to, or for the account or benefit of, U.S. persons (as defined in Regulation S under the Securities Act).
- ② Certain information in this presentation, including all statements that are not historical facts, constitutes forward-looking information within the meaning of applicable Canadian securities laws. Such forward-looking information includes, but is not limited to, information which reflects management's expectations regarding Marengo's future growth, results of operations (including, without limitation, future production and capital expenditures), performance (both operational and financial) and business prospects (including the timing and development of new deposits and the success of exploration activities) and opportunities. Often, this information includes 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 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.
- ③ U.S. Investors are cautioned that the terms "mineral resource", "indicated mineral resources" and "inferred mineral resources" are Canadian mining terms and are not defined in the SEC Industry Guide 7 under the United States Securities Act and are not normally not permitted to be used in reports and registration statements filed with the SEC. Investors are cautioned not to assume that any part or all of the mineral deposits in these categories will ever be converted into reserves. "Inferred mineral resources" have a great amount of uncertainty as to their existence, and as to their economic and legal feasibility. It cannot be assumed that all or any part of an inferred mineral resource will ever be upgraded to a higher category. Under Canadian securities laws, estimates of inferred mineral resources may not form the basis of feasibility or pre-feasibility studies, except in rare cases. Investors are cautioned not to assume that all or any part of an inferred mineral resource exists or is economically or legally mineable. Accordingly, information contained in this presentation containing descriptions of the Company's mineral deposits may not be comparable to similar information made public by U.S. companies subject to the reporting and disclosure requirements of United States federal securities laws and the rules and regulations thereunder.
- ④ JORC refers to the 2004 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2004 Edition).
- ⑤ Copper equivalent grades for reported drill hole intercepts were calculated using a molybdenum /copper metal price ratio of 10:1.
- ⑥ In the company's opinion both elements included in the metal equivalents calculation have a reasonable potential to be recovered.
- ⑦ Scientific and technical information in this presentation other than the Yandera Resource Estimate were prepared by, or under the supervision of, 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 mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the JORC Code. Mr Dendle also has sufficient experience to qualify as a Qualified Person under NI 43-101.
- ⑧ The information in this report that relates to Exploration Results, Mineral Resource estimates and the resource estimate for the by-product metals and all other scientific and technical information or Ore Reserves contained in this presentation is based on information compiled by Stephen Godfrey, Associate, Principal Resource Geologist, Golder Associates PTY LTD, who is a Member of the Australasian Institute of Mining and Metallurgy as well as a member of the Australian Institute of Geologists. Mr Godfrey 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 by the JORC Code. Mr Godfrey is also a "Qualified Person" as defined by National Instrument 43-101 "standards of Disclosure for Mineral Projects" (NI 43-101)". Mr Godfrey is independent of Marengo, as such terms defined in NI 43-101. Mr Godfrey has read and approved the contents of this presentation (insofar as it relates to information prepared by or under the supervision of Mr Godfrey). Mr Godfrey verified the data disclosed and underlying information contained in this presentation. The effective date of the updated mineral resource estimate and the resource estimate for the by-product metals is October 22, 2008. The method used to verify the data was similar to that described in Marengo's technical report filed on SEDAR originally dated December 2008 and revised and restated January 2009. The estimate of mineral resources are not materially affected by any known environmental, permitting, legal, title, taxation, socio-political, marketing or other relevant issues. Mineral Resources which are not Mineral Reserves do not have demonstrated economic viability.

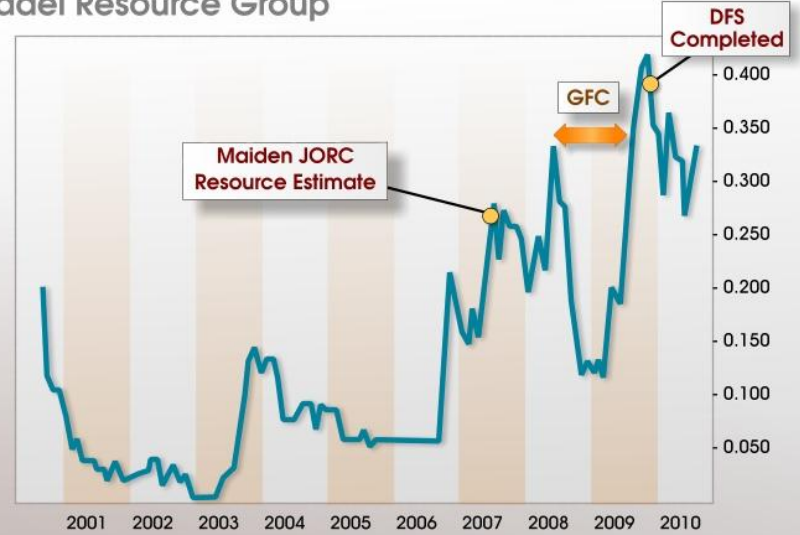
# On the road to production...



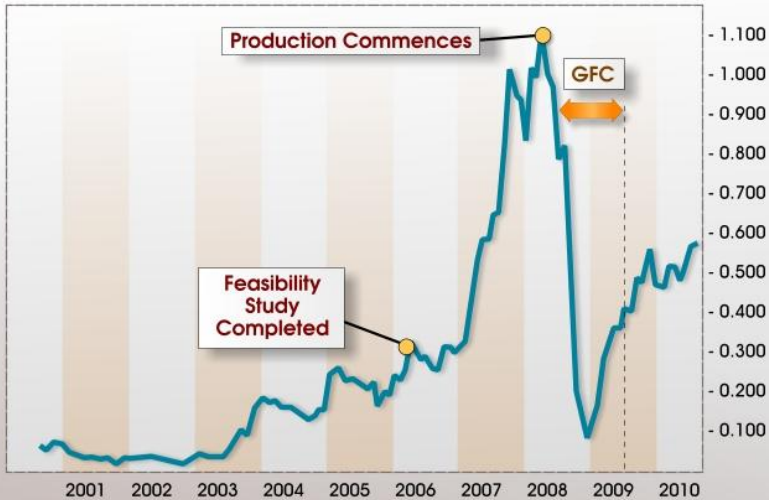
## Equinox Minerals



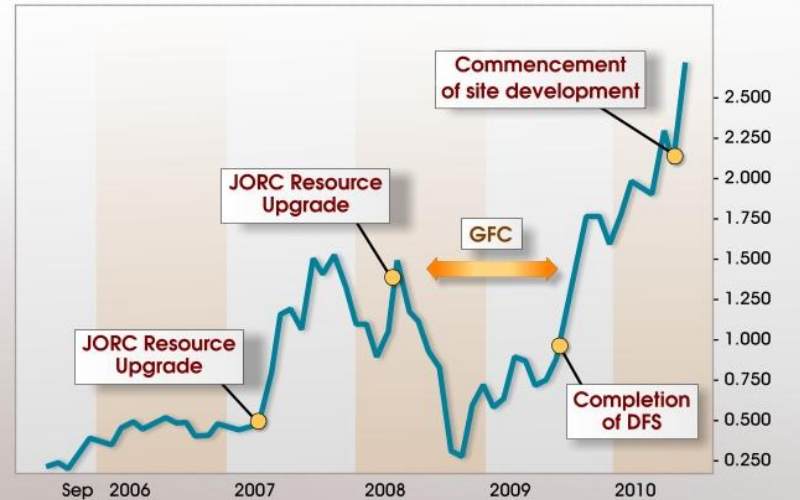
## Citadel Resource Group



## PanAust Ltd



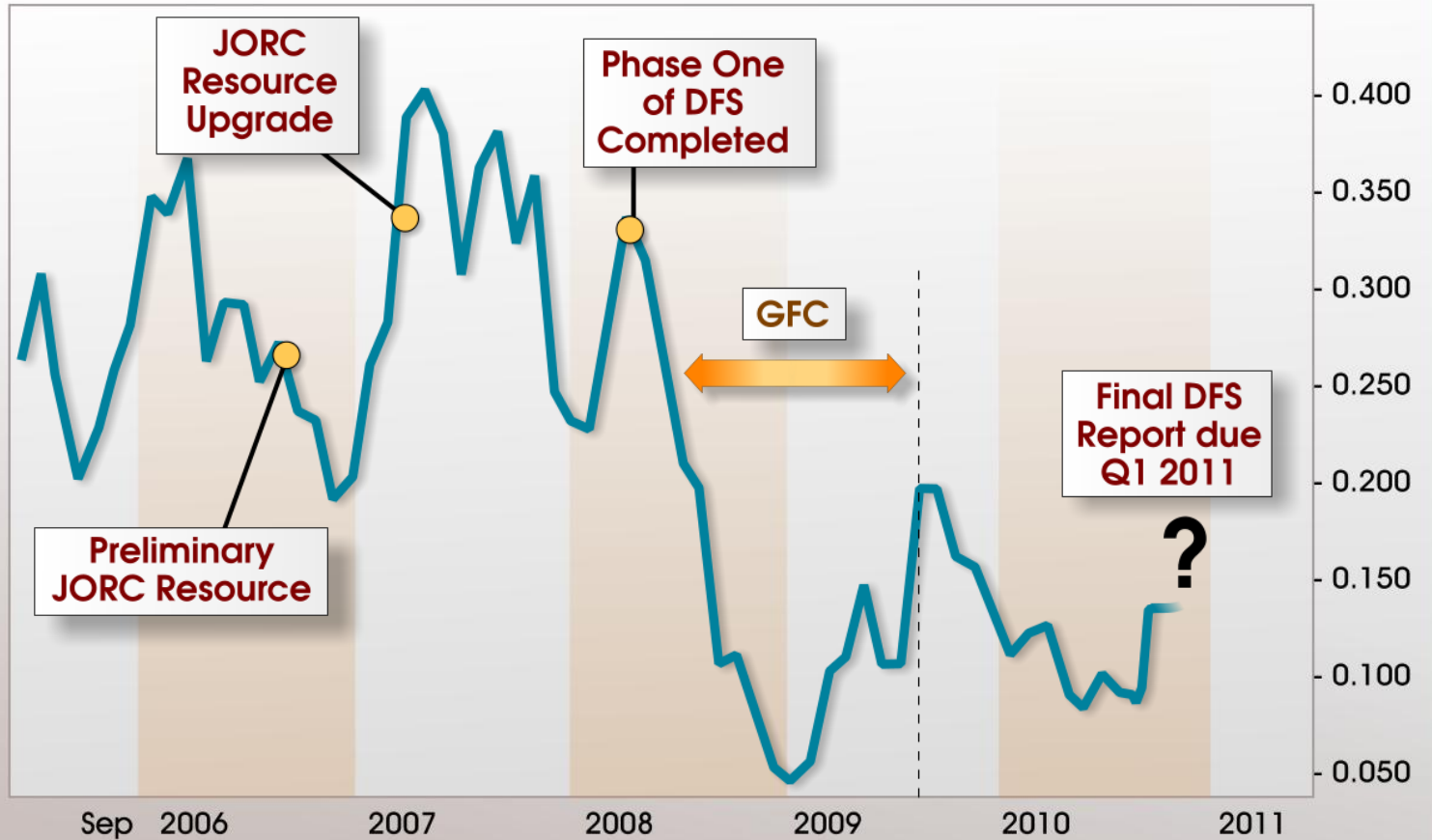
## Perseus Mining Ltd



# On the road to production...



## Marengo Mining Ltd



# A global copper company in the making...



- ④ One of the largest undeveloped copper resources in the Asia-Pacific region
- ④ Definitive Feasibility Study nearing completion – December 2010
- ④ Resources containing 4.9 billion pounds of copper, 176 million pounds of molybdenum plus gold, silver and rhenium
- ④ Production to commence at 25 million tonnes per annum
- ④ Substantial depth extensions to Yandera mineralised systems confirmed by recent drilling
- ④ Backed by major strategic shareholders including George Soros' Quantum Partners and Sentient Global Fund



# Yandera – the cornerstone project



*“Our vision is to build a diversified international copper producer...”*

# PNG – a strong mining destination



- 🕒 Commonwealth country with a thriving mining & exploration industry
- 🕒 Centrally located for shipping to Asian markets
- 🕒 Stable Government under Sir Michael Somare
- 🕒 Major companies include Barrick Gold, Xstrata, China Metallurgical Group, Lihir Gold, Newcrest Mining, Harmony Gold Mining and Exxon Mobil
- 🕒 Long established mining legislation<sup>1</sup>



(1) PNG Dept. of Mining - <http://www.mineral.gov.pg> (2) Source: International Monetary Fund, (3) Austrade (Australian Government)

# Yandera – overview

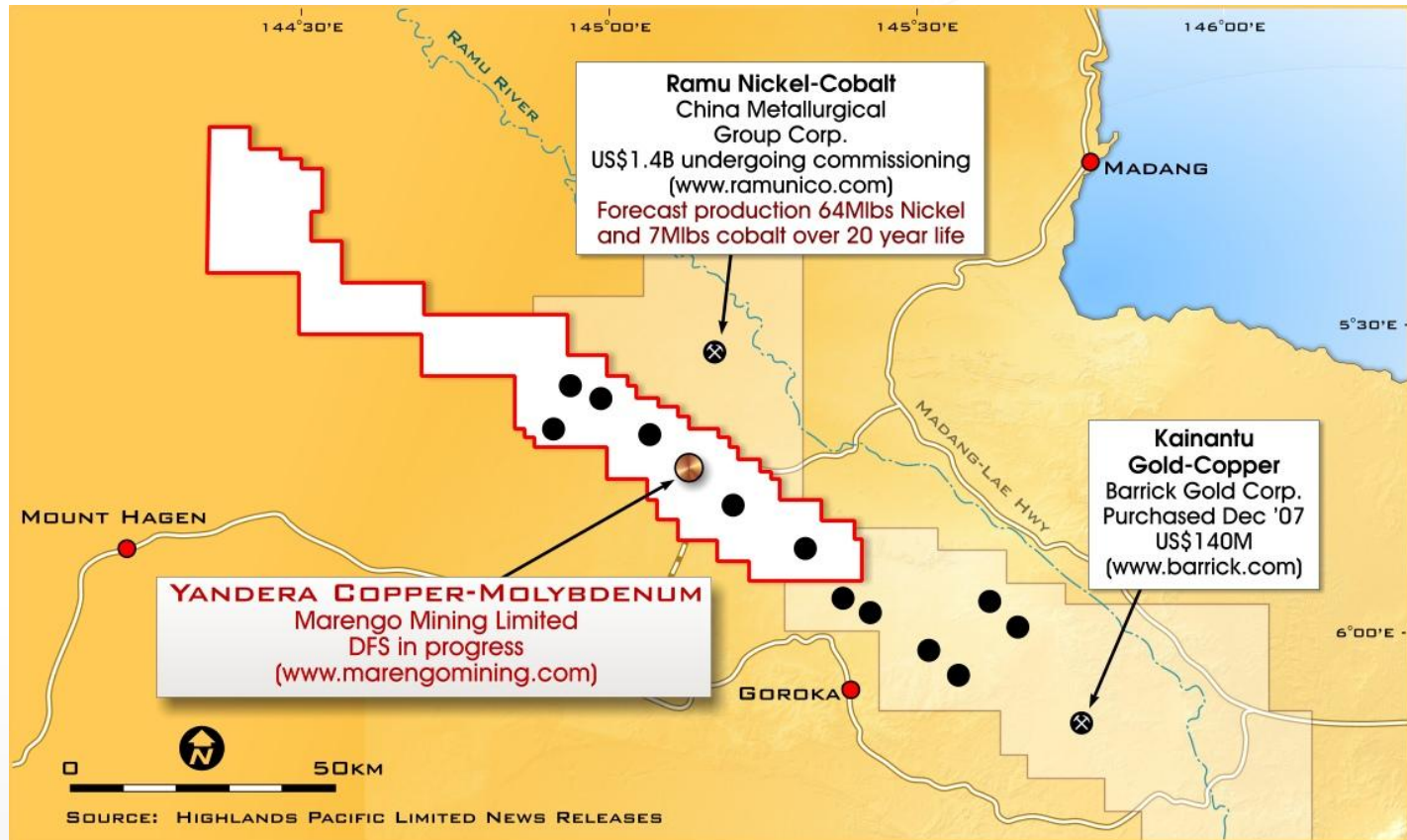


- ④ World-scale Copper-Molybdenum-Gold Project
- ④ Definitive Feasibility Study due for completion by December 2010
- ④ Discussions underway concerning funding and possible partnership arrangements
- ④ Entering world markets from 2013/14





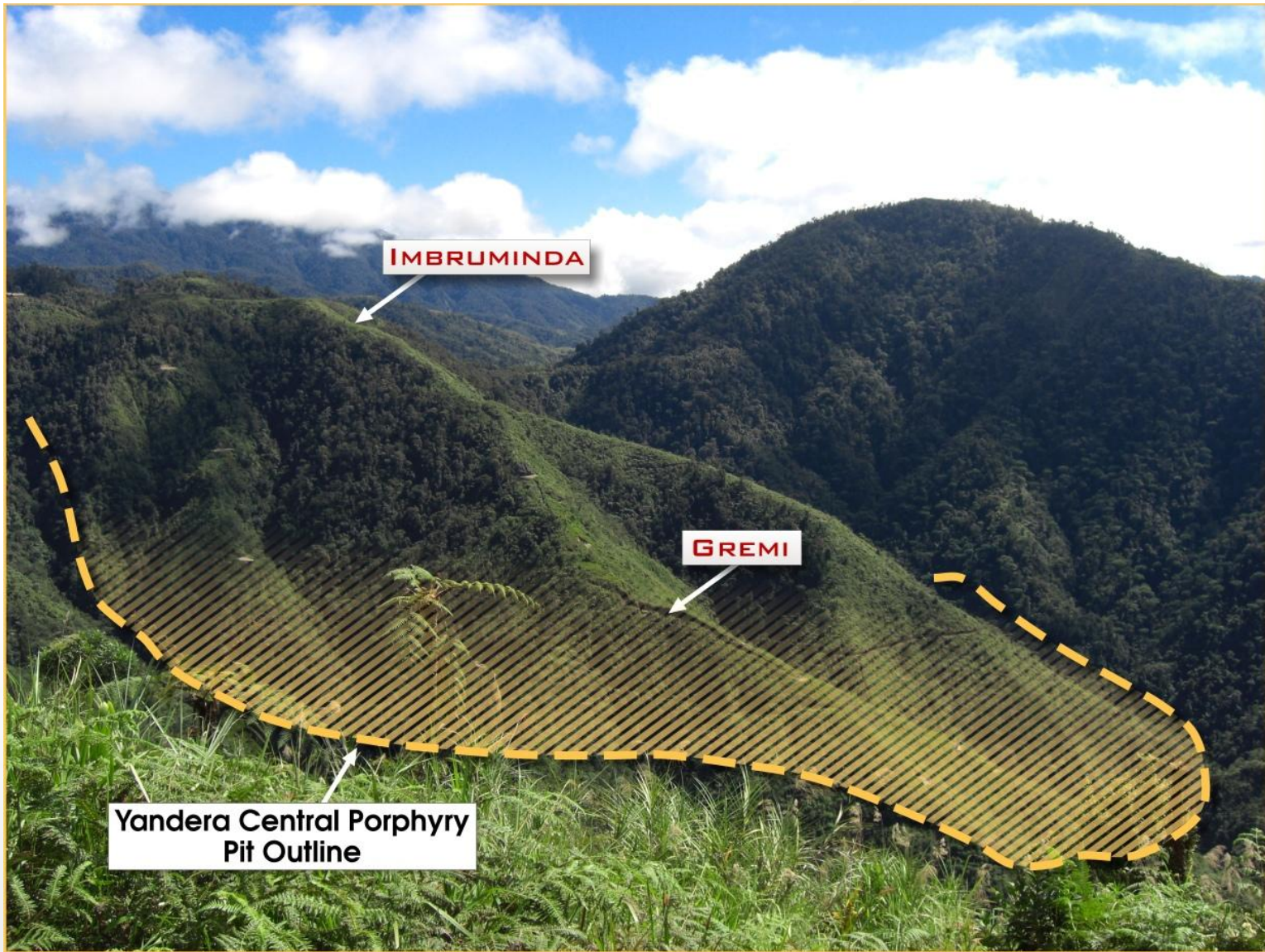
# Yandera – overview



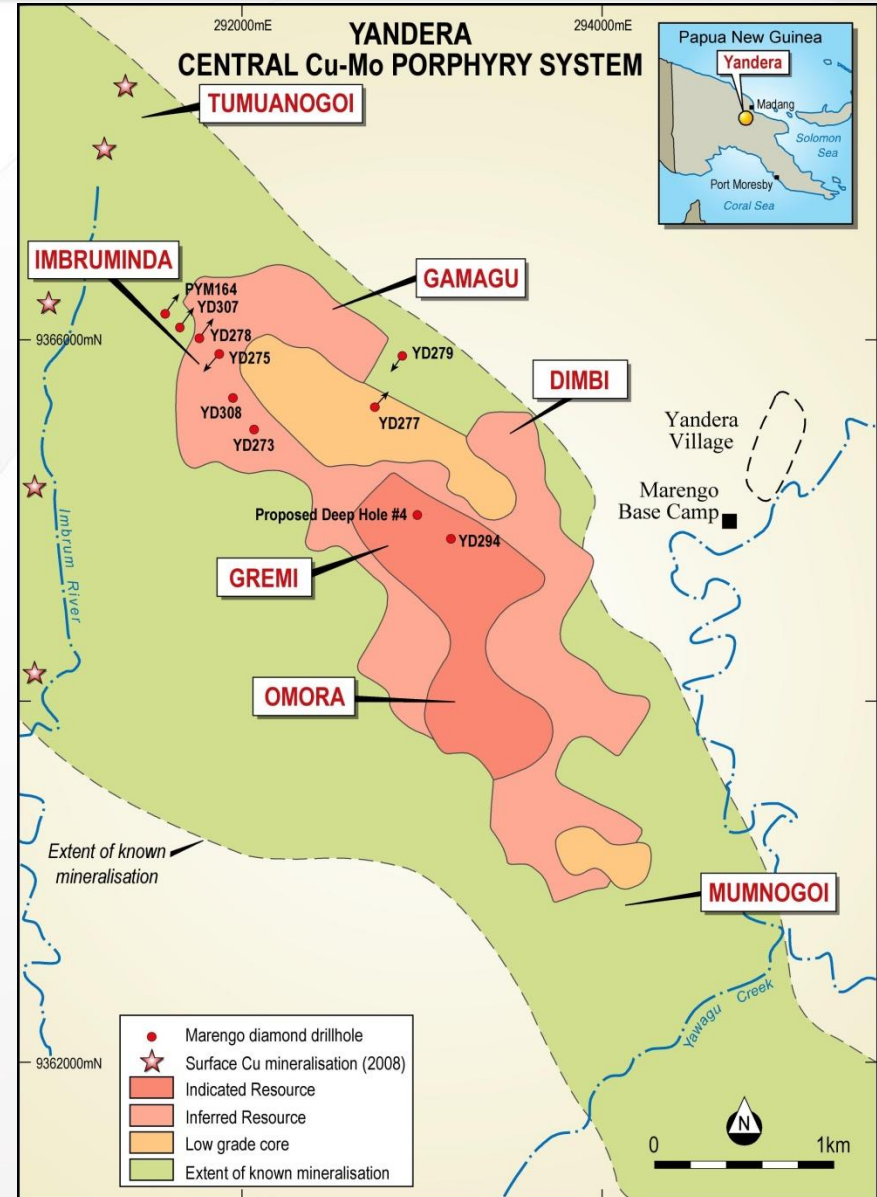
(1) Highlands Pacific Limited News Release, 9 June 2009, (2) Highlands Pacific Limited News Release, 12 December 2007

- 📍 Located 95 km south-west of the provincial capital and northern seaport of Madang
- 📍 100% owned Exploration Licences covering 1,900km<sup>2</sup>
- 📍 Project covers +100 km of the highly prospective Bundi Fault Zone

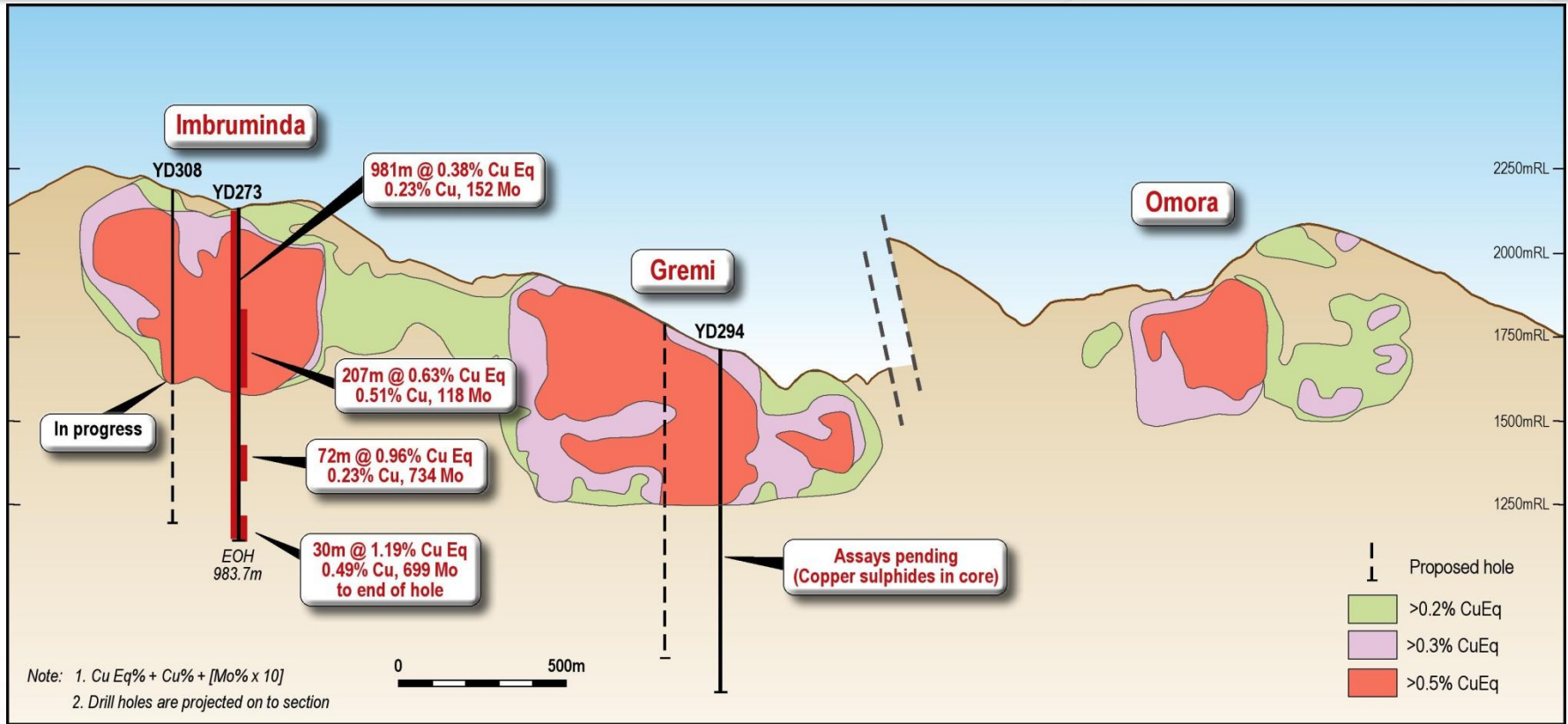
# Yandera Central Porphyry



# Yandera Central Porphyry



# Yandera Central Porphyry



- ☉ +85,000m of drilling (240 diamond drill holes) completed to date
- ☉ 29,000m drilled in 2008 with some later holes not included in current resource estimate
- ☉ Drilling resumed in November 2009 with seven rigs currently active
- ☉ Depth extensions of major mineralised systems confirmed

# Yandera Central Porphyry



## 2010 drilling results included:

- 395m @ 0.53% Cu Eq (0.46% Cu, 73ppm Mo)
- 108m @ 0.63% CuEq (0.51% Cu, 118ppm Mo)
- 195m @ 0.58% CuEq (0.49% Cu, 90ppm Mo)

## 2010 drilling focusing on Dimbi, Imbruminda and Gamagu zones

## Recent encouraging results from resource extension drilling at Dimbi-Gamagu zone:

- 357m @ 0.44% Cu Eq (0.44% Cu, 96 ppm Mo)

## Deep drilling confirms extensions of mineralised zones, with first hole at Imbruminda returning:

- 980.7m @ 0.38% CuEq (0.23% Cu, 152ppm Mo)





## YANDERA PROJECT RESOURCE ESTIMATE (as at 24 October 2008)

**Table 1. Copper-Molybdenum**

		Grades			Contained Metals	
Category	Tonnes (M)	CuEq. (%)	Copper (%)	Moly (ppm)	Copper (M lbs)	Moly (M lbs)
Indicated	315	0.48%	0.34%	135	2,357	94
Inferred	352	0.43%	0.33%	106	2,560	82

**Table 2. By-Products (Gold, Silver & Rhenium) \*\***

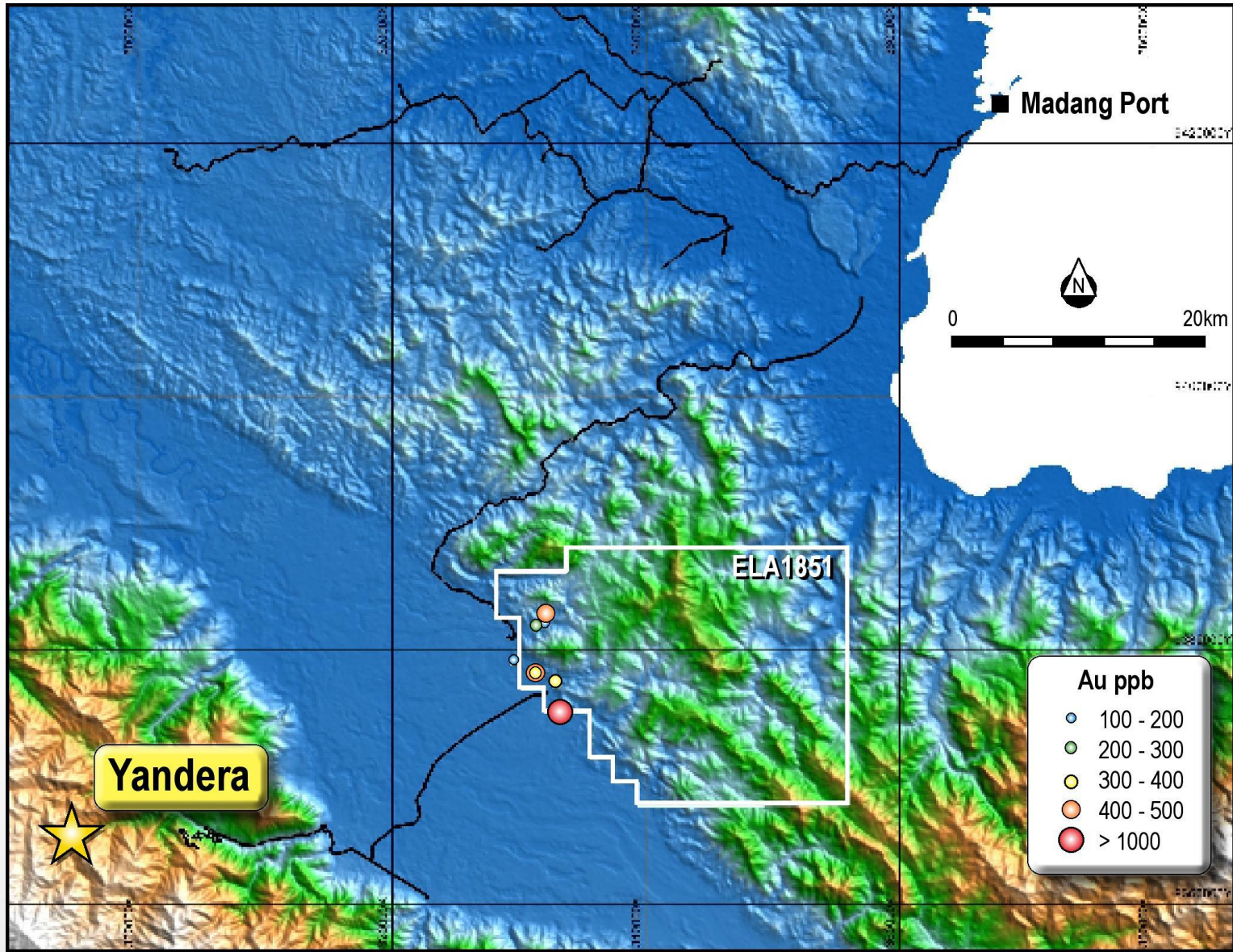
The Copper-Molybdenum resource **includes** the following by-product metals:

		Grades			Contained Metals		
Category	Tonnes (M)	Gold (g/t)	Silver (g/t)	Rhenium (ppm)	Gold (M oz)	Silver (M oz)	Rhenium (M oz)
Inferred	666	0.09	1.56	0.08	1.9	33.4	1.7

\*\*Not included in CuEq.

*Note: The by-product resource is contained within the Indicated and Inferred resource in Table 1. Au and Ag grades have been estimated from a smaller set of data than the Cu and Mo grades. Re has been calculated by regression against Mo based on a limited amount of sampling. Uncertainty in the characterisation of the Au, Ag and Re metal content of the resource has resulted in no part of the by product resource being classified as Indicated.*

# Yandera Regional Gold





- ④ Open-cut mining operation with initial 20-year mine life
- ④ Initial focus on higher grade “starter” zones to maximise cash flow and rapid payback
- ④ Ore processing commencing at 25Mtpa (70,000tpd), increasing to 50Mtpa
- ④ Crush and grind near mine with ore slurry line to coastal concentrator producing separate copper and molybdenum sulphide concentrates
- ④ Capital estimate of approximately US\$1.6 billion, including:
  - ④ *Owner-operated mining fleet*
  - ④ *In-pit crushing*
  - ④ *Hydro-electric power station*
- ④ High-grade, low-impurity copper concentrate produced from test work



# Yandera – development timetable

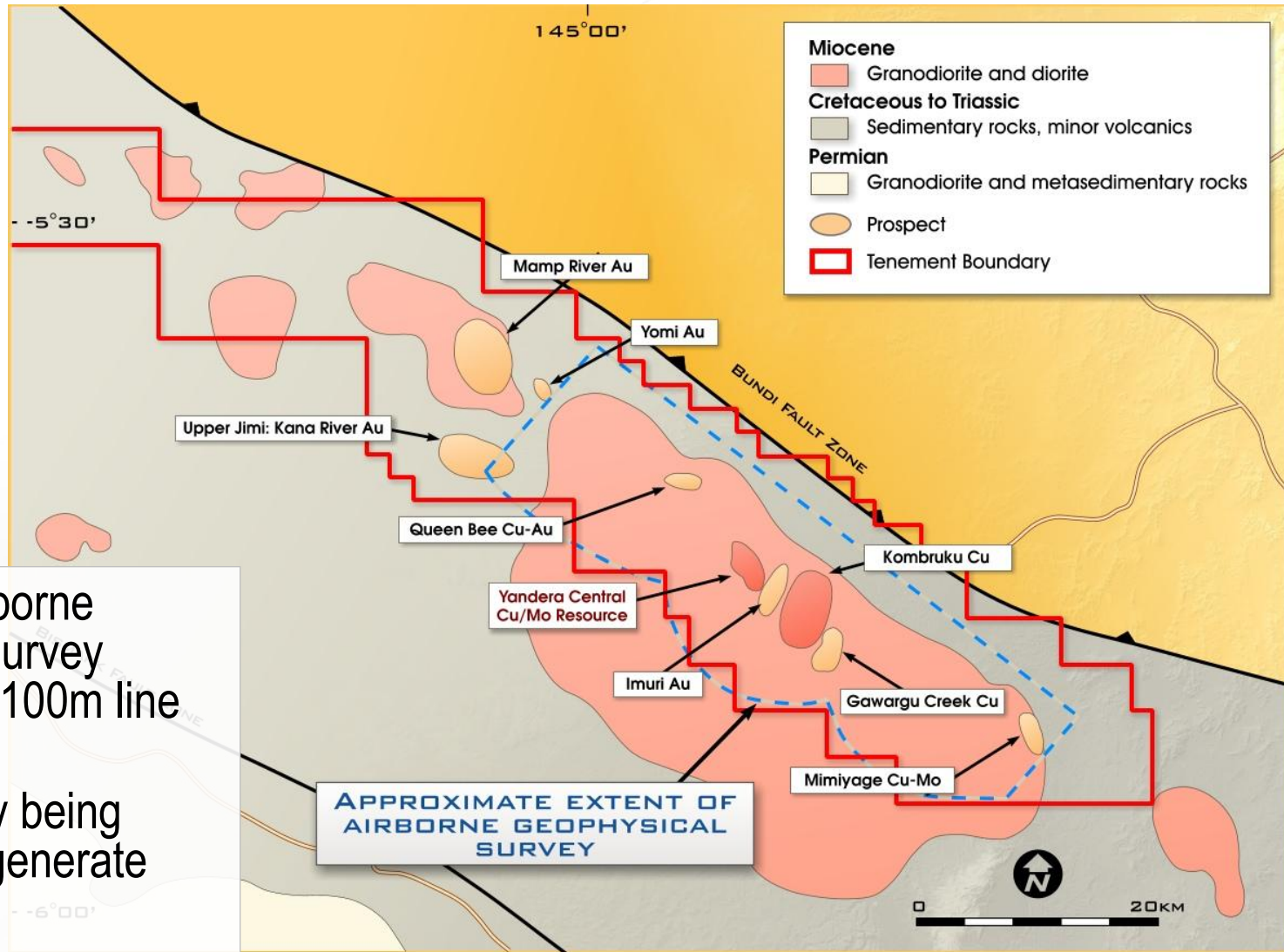


	2010				2011				2012				2013			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Definitive Feasibility Study	■	■	■	■	◆	DFS Release										
Financing	■	■	■	■	■	■	■									
Permitting Process	■	■	■	■	■	■	■	■								
Design & Construction							■	■	■	■	■	■	■	■	■	■
Commissioning																■

The foregoing timeline is based upon the Company's estimates as of July 2009. The timing of the events anticipated will depend on numerous factors, including, without limitation, results of operations, receipt of government approvals including permits and licenses, performance, business prospects, access to capital and metal prices. The timeline constitutes forward-looking information within the meaning of applicable Canadian securities laws.



# Yandera – Exploration Upside

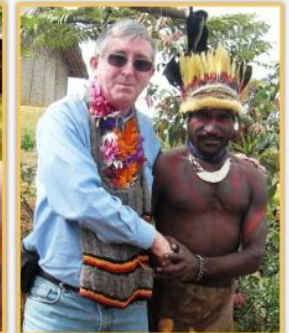


- Extensive airborne geophysical survey completed at 100m line spacing
- Data currently being assessed to generate new targets

# Community Relationships and Environment



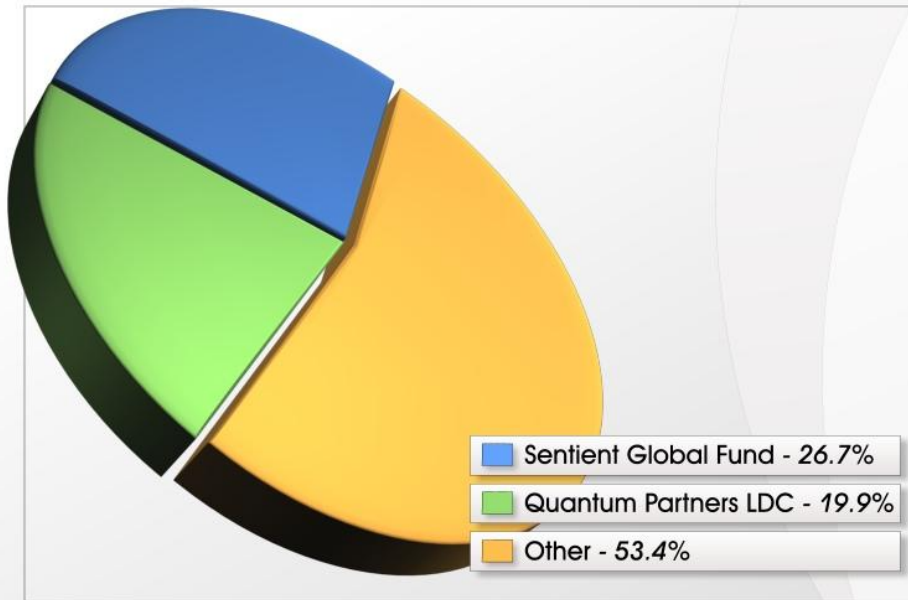
- Ⓜ Excellent relationships with all communities and authorities – over 400 people currently employed in PNG
- Ⓜ Community programs include ongoing assistance to local primary school and establishment of local medical facility with trained staff
- Ⓜ Strong commitment to providing a safe and healthy work environment for all employees, contractors and visitors
- Ⓜ Effective environmental solutions for deep sea tailings placement and hydro-electric power generation
- Ⓜ Strong commitment to reduce Yandera's overall “carbon footprint”





- Global listings: ASX (MGO), TMX (MRN), POMSoX (MGO)
- Issued shares: 738.810M
- Market capitalisation: A\$100M
- Cash: A\$6.98M\* (30 June 2010)
- Major shareholders:

**\* A\$21.4M Capital Raising completed Aug 2010**





**John Horan – Chairman:** *Many years of mining industry experience; Former Finance Director – Homestake Gold and former director – TSX/ASX listed Golden China Resources Corporation, currently a director of Adelaide Resources Limited (ASX).*



**Les Emery – Managing Director:** *Well experienced in exploration, mining and corporate administration, former MD of Lynas Corporation (ASX -Gold and Rare Earths) and Herald Resources (ASX - Gold).*



**Sir Rabbie Namaliu– Non Executive Director:** *Former Prime Minister of PNG (1988-1992) and long serving member of successive governments with roles including Foreign Minister.*



**Susanne Sesselmann – Non-Executive Director:** *More than 20 years experience in investment banking and project financing throughout the world. A director of international private equity resource fund, The Sentient Group.*



**Elizabeth Martin – Non-Executive Director:** *Comes from an accounting background and has extensive corporate experience within the resource industry. Elizabeth is Toronto based.*



**John Hick – Non-Executive Director:** *Comes from a legal background and has extensive corporate experience within the resource industry. John is Toronto based.*



**Douglas Dunnet – Non-Executive Director:** *Over 30 years of experience including 14 years with Anaconda (USA) group of companies; previously Managing Director of Orion Resources (ASX – Gold).*

# Marengo – Senior Management



**Sam Akoitai – Director, Marengo Mining (PNG) Limited:** *Former PNG Mining Minister and prior experience with Bougainville Copper.*



**Grant Calderwood – Operations Manager:** *Responsible for the completion of the DFS and subsequent development. Well experienced in study and implementation management in PNG and on four continents.*



**Peter Dendle – Project Manager:** *Responsible for overall site management at Yandera including drilling operations, community relations & environmental matters. Extensive international experience in project management.*



**Malcolm Roberts – Principal Geologist:** *Responsible for Yandera geological activities (both resource and exploration). Recent PNG experience with the European Union geological support programs.*



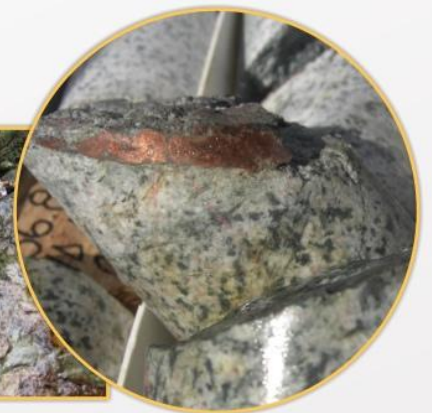
**John Ribbons – Company Secretary & Chief Financial Officer:** *Extensive knowledge and experience with listed resource production and exploration companies.*



**Fiona Hardouin-Riddle – Office Manager/Investor Relations (Australia):** *Responsible for the day to day running of the Perth office and investor relations as well as Executive Assistant to the Managing Director, Les Emery.*



- Value underpinned by world-scale resource base at Yandera
  - Excellent progress with DFS – positive interim outcomes*
  - Drilling continuing to upgrade and expand resources*
  - Discussions underway with potential development partners*
- Strong investor base – key global and strategic investors
- Strategically located deposit with access to key Asian markets
- Experienced management team
- Strong focus – on the road to production

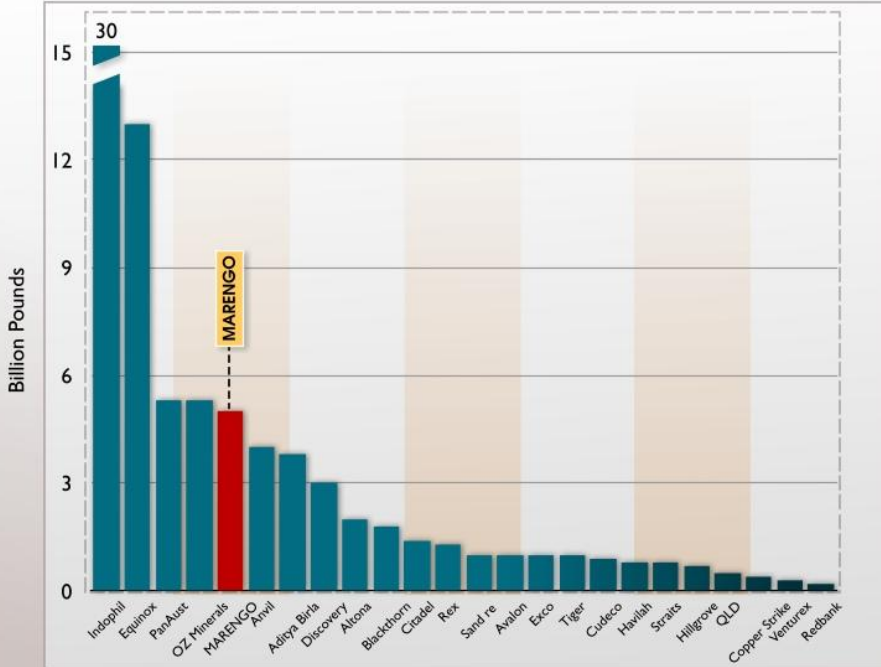


# Peer Comparison

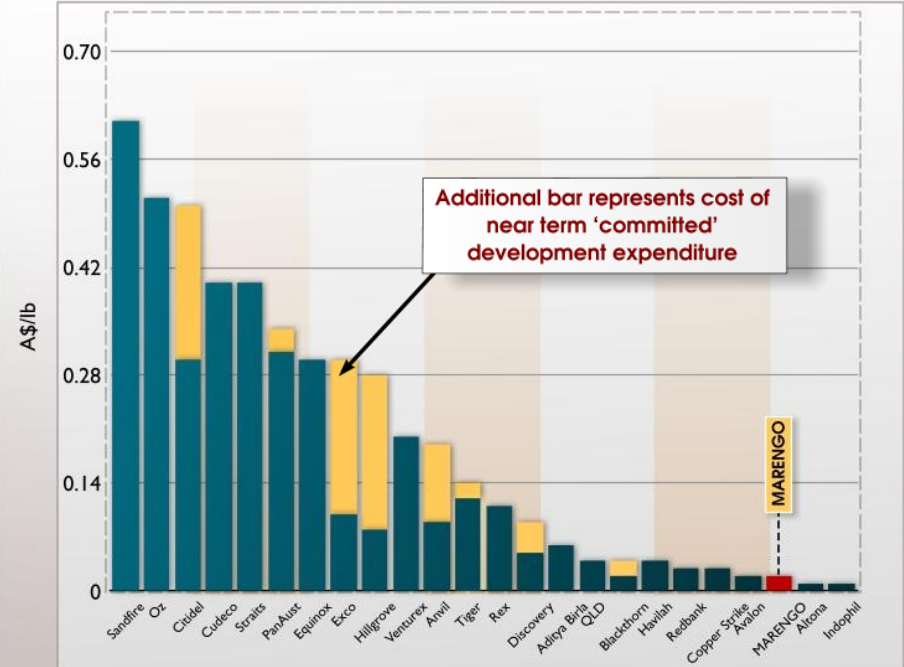


🕒 The market is not attributing full value to Marengo's resources relative to its ASX listed copper peers, despite Yandera being in the upper quartile in relation to resource size.

## Cu Resource (billion lb)



## EV / lb of Cu Resource (A\$.lb)



Source: IRESS, Company reports.





**MARENGO**

MINING LIMITED

BUILDING A GLOBAL COPPER COMPANY

# Resources Rising Stars

## 28<sup>th</sup> September 2010

Les Emery – Managing Director / CEO

