



Anthony Molybdenum Project

Zamia Metals Limited

February 2011



Disclaimer - Forward-Looking Statements

This document contains certain "forward-looking statements", including, but not limited to, statements concerning current and future drilling programmes, estimation of mineral resources, the continuing development plan, the type of mineralisation present and expected results.

Information inferred from the interpretation of drilling results may be deemed to be a forward looking statement, as it constitutes a prediction of what might be found to be present when and if a project is actually developed.

Statements and estimates concerning mineral resources may also be deemed to be forward looking statements in that they involve estimates, based on certain assumptions, regarding the mineralisation that would be encountered if and when a mineral deposit is actually developed and mined.

Forward looking statements are not historical facts, and are subject to a number of risks and uncertainties beyond management's control. There can be no assurance that such statements will prove to be accurate. Actual results and future events could differ materially from those anticipated in such statements. Risks and uncertainties that could cause results or future events to differ materially from current expectations expressed or implied by the forward-looking statements include, among other things, but without limitation, those set forth in the Annual Report and the website (www.zamia.com.au) of Zamia Metals Limited ('Zamia').

For more information about the Company's properties and projects, please refer to the Annual Report.

The technical information contained in this document was compiled by Dr Ken Maiden, Executive Chairman of Zamia Metals Limited. Dr Maiden is a Member of the Australian Institute of Geoscientists and a Fellow of the Australasian Institute of Mining and Metallurgy. He has sufficient experience to qualify as a Competent Person as defined in the September 2004 edition of the *"Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves"*. Dr Maiden consents to the inclusion of the matters in the form and context in which they appear.

Directors



- **Ken Maiden**
Executive Chairman
Geologist with 38 years professional experience



- **Chen Qiang**
Non Executive Director
International commodities trader and investor



- **Andrew Skinner**
Non Executive Director
Chartered accountant



- **Alan Humphris**
Non Executive Director
Investment Banker



- **John Stone**
Company Secretary



Capital Structure - as at 25 January 2011

Shares	187,245,109
Options	20,800,000

Holder Name	%
Brownstone International Pty Ltd	12.2
Hangzhou Kings Industry Co Limited	10.5
West Minerals Pty Ltd	9.3
International Base Metals Limited	7.3
Dr Deng Jiniu	4.6
Great Sea Wave Investment Pty Ltd	3.5
Mr Geng Haitao	3.4
Mrs Li Zhou	3.1
Mr Salvatore Di Vincenzo	2.2
Qinghai Genlid Mining Investment & Management Co Limited	2.1
Citi Resources Co Limited	2.1



ZAMIA

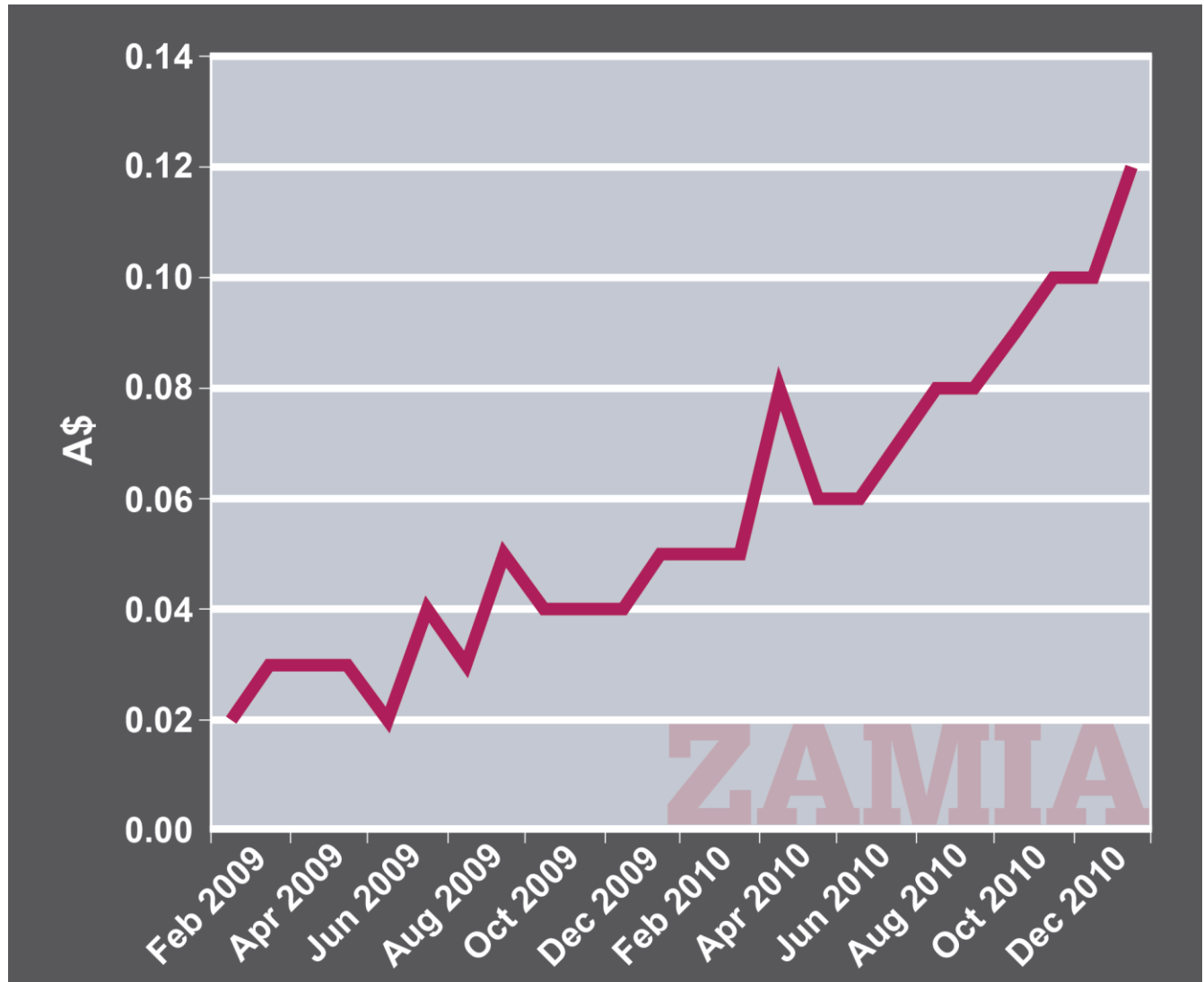
Zamia Capital Raising

	Share issue date	Share value	Share price
Share based payment to IBML	28/01/2009	\$ 92,535	5.0c
Share based payment to IBML	11/06/2009	\$ 105,958	2.5c
Share placement	30/09/2009	\$ 341,250	3.0c
Share purchase plan	23/11/2009	\$ 780,000	3.0c
Share based payment to John Burnett	18/01/2010	\$ 6,700	5.5c
Share placement	4/02/2010	\$ 1,300,000	5.5c
Share placement	25/06/2010	\$ 1,400,000	7.0c
Share placement	7/09/2010	\$ 1,000,000	7.0c
Share placement	30/11/2010	\$ 1,600,000	10.0c



Zamia Share Price

Closing
Share Price
Feb. 3, 2011
14 cents





Molybdenum - Chemical Symbol Mo

Attributes:

- Heavy metal - atomic weight ~ 96
- Extremely high melting point + 2,600°C
- Steel, alloyed with Mo, is stronger & more resistant to heat & corrosion

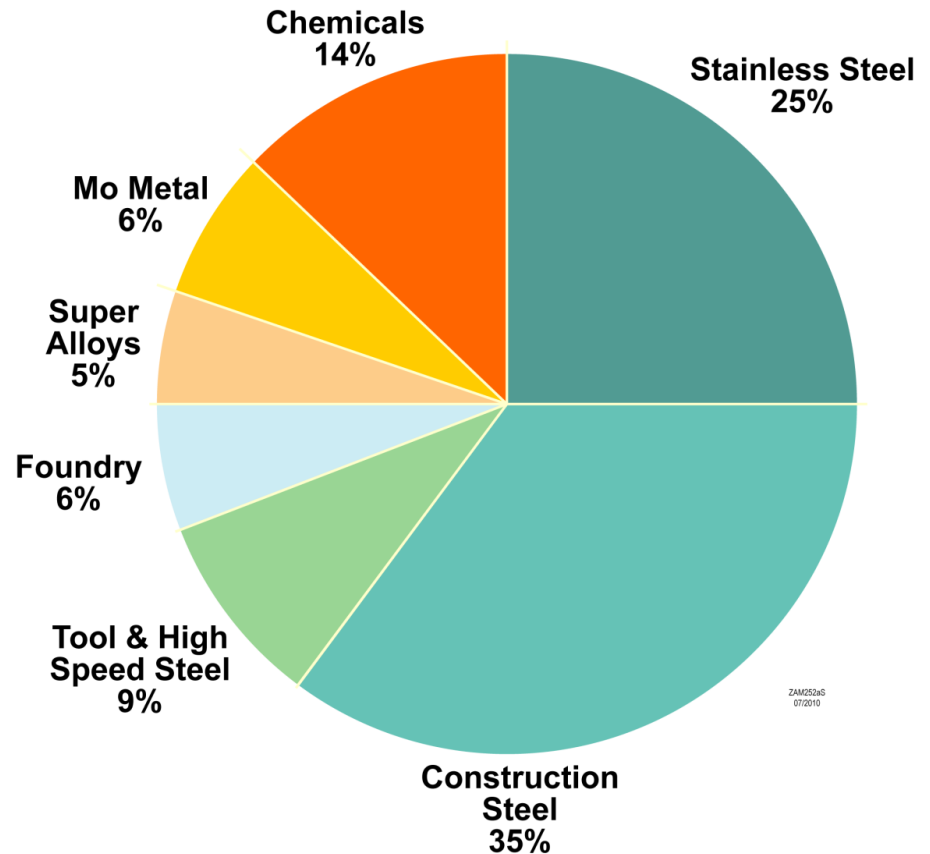
Major uses:

Stainless steel & construction steel, used in -

- Offshore drilling rigs
- Power plants
- Ships & turbine engines
- Pipelines
- Desalination plants

Emerging uses:

- Thin film solar panels
- Clean, efficient production of hydrogen



ZAM252a6
07/2010

Source: International Molybdenum Association



MOLYBDENUM PRICE

Feb 6, 2009 - Jan 14, 2011



InfoMine.com

Molybdenum - Supply & Demand

Supply

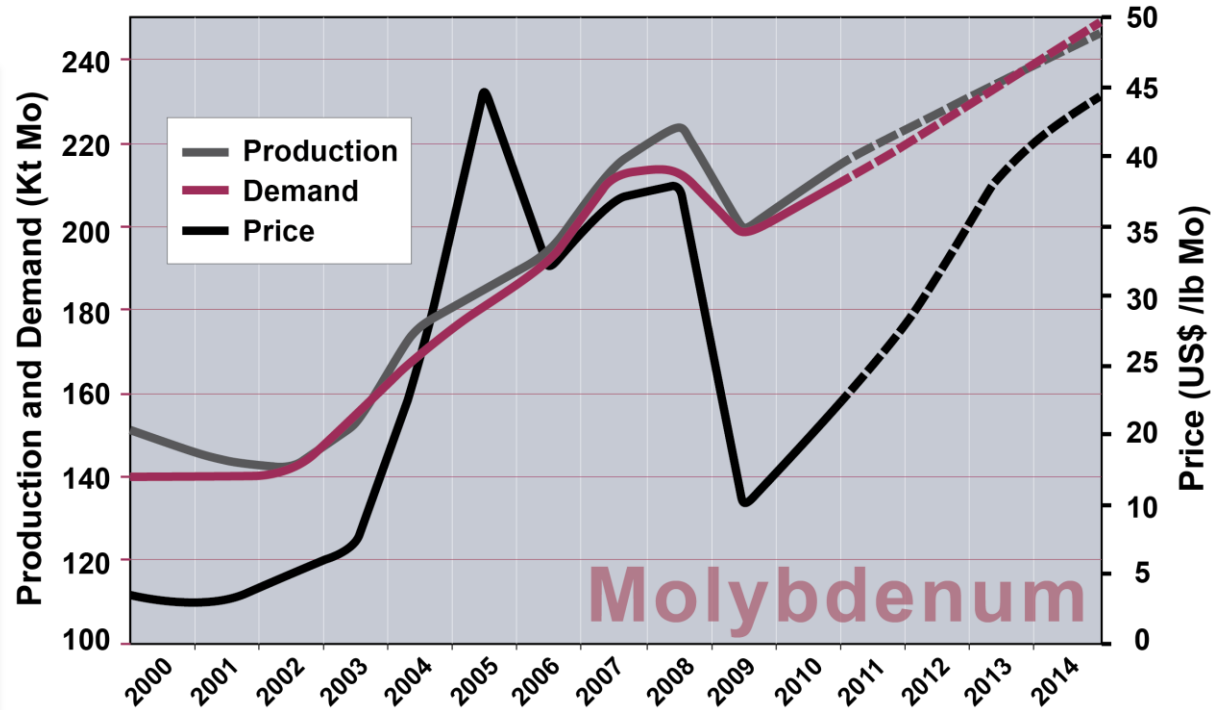
▪ 25 years of low Mo prices until 2005:

- Little exploration
- Last new large Mo mine – 1982
- New mines delayed by financial crisis

▪ Existing mines require expansion

▪ By-product producers can't easily expand production

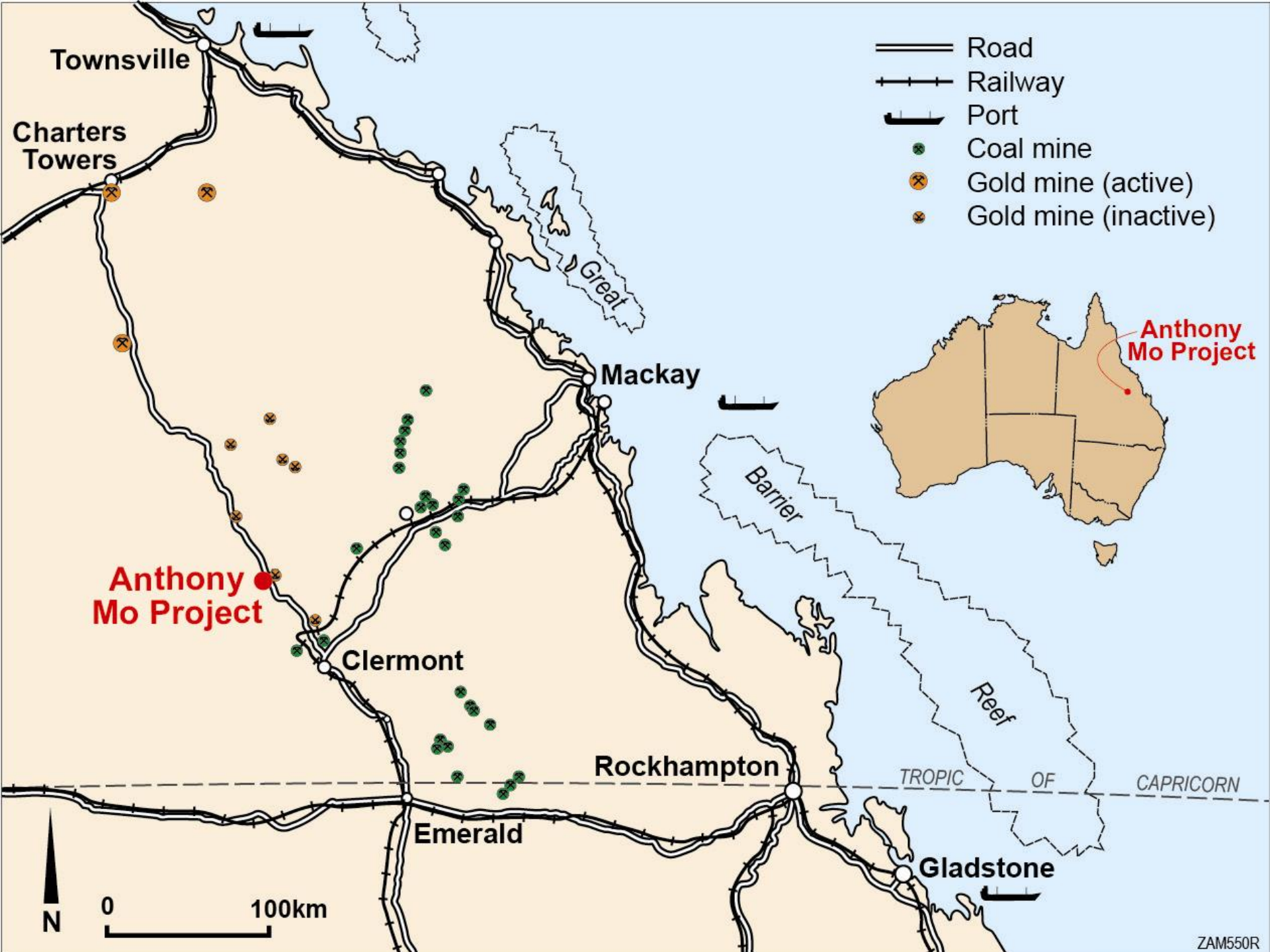
▪ Supply deficit requires new producers



Demand

- Consumption grew by 6% p.a. between 2002 - 2010
- Demand increase 4 – 6% pa next 20 years
- Chinese continuing to stockpile (absorb any excess)
- Supply deficit anticipated by 2014

Source: Roskill Market Outlook to 2014





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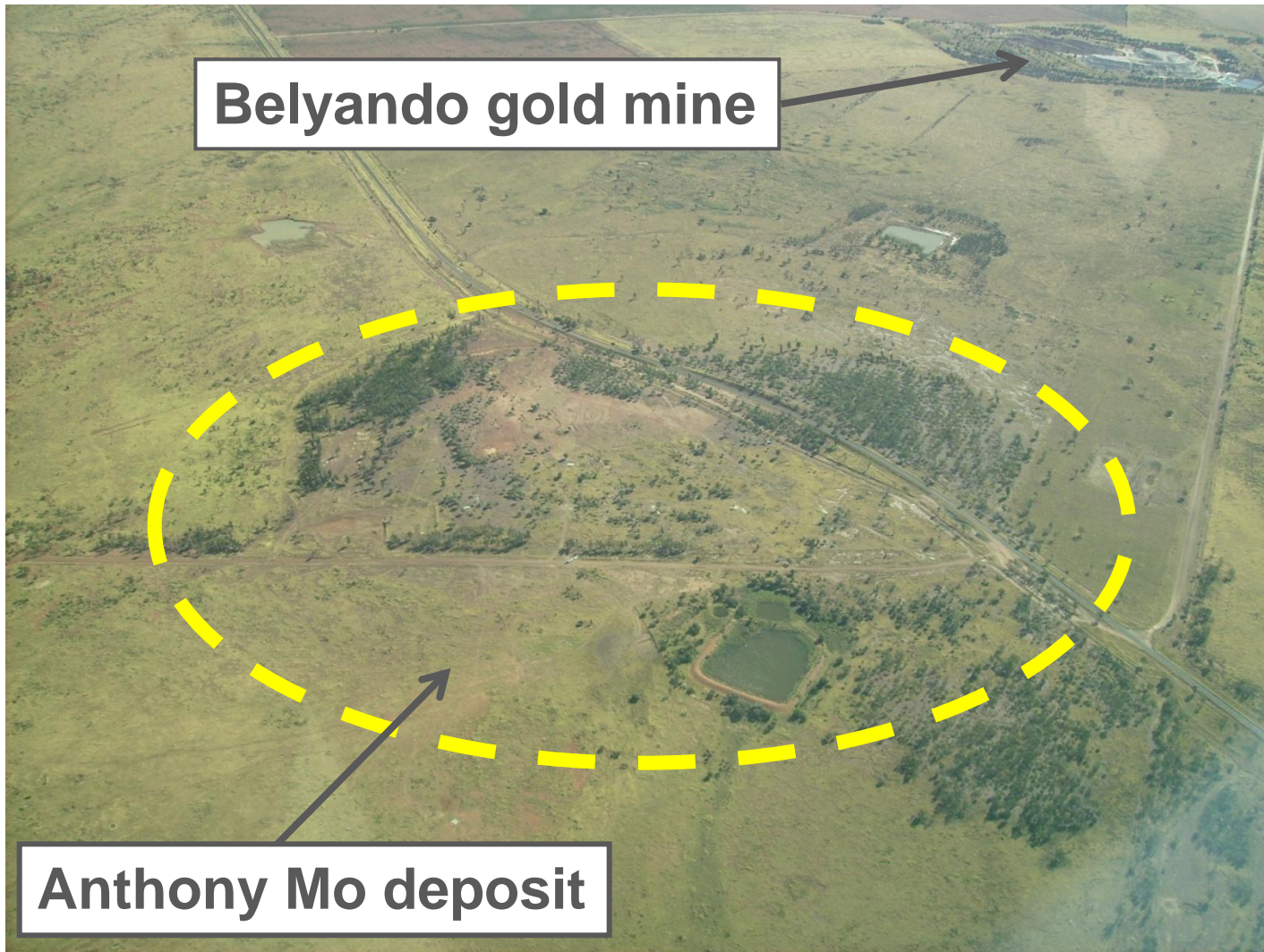
Great Location / Great Infrastructure

- **Towns nearby - Clermont, Emerald, Moranbah**
- **Large coal mines nearby**
- **Sealed road to site**
- **Grid power nearby**
- **New water pipeline planned**



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Project Area



Belyando gold mine

Anthony Mo deposit

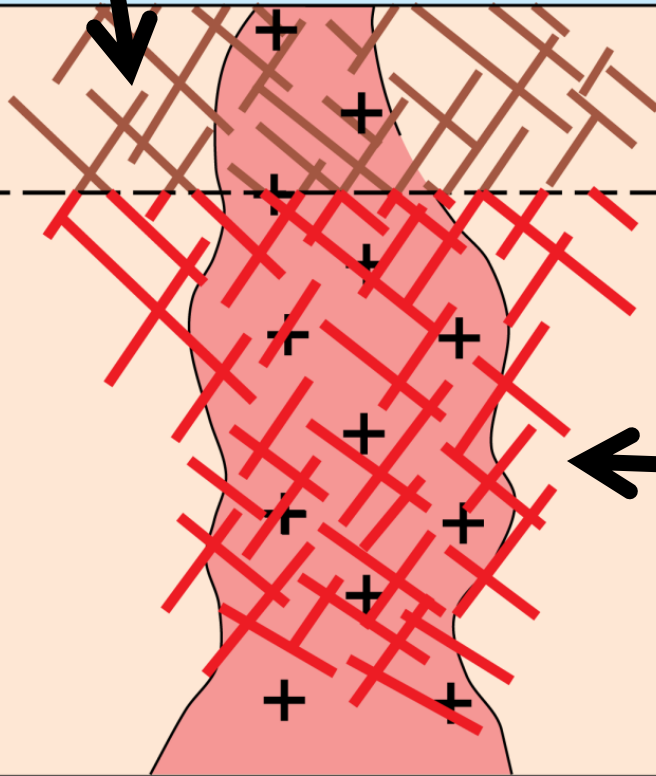
Geological Setting

Deposit eroded & oxidised (weathered) to 60 – 80m depth

Molybdenite oxidised to Mo-Fe oxide

Base of weathering

Primary molybdenite MoS_2

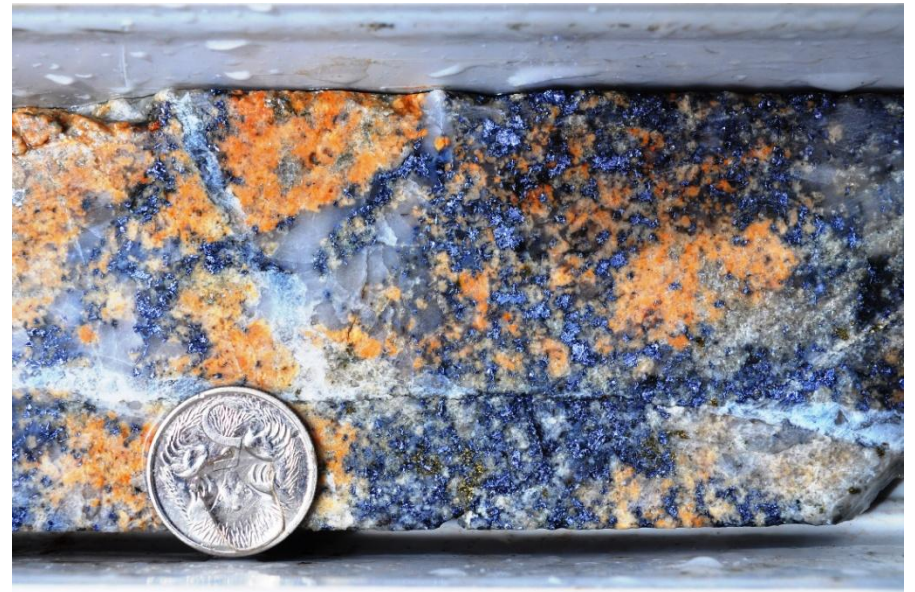




Style of Mineralisation



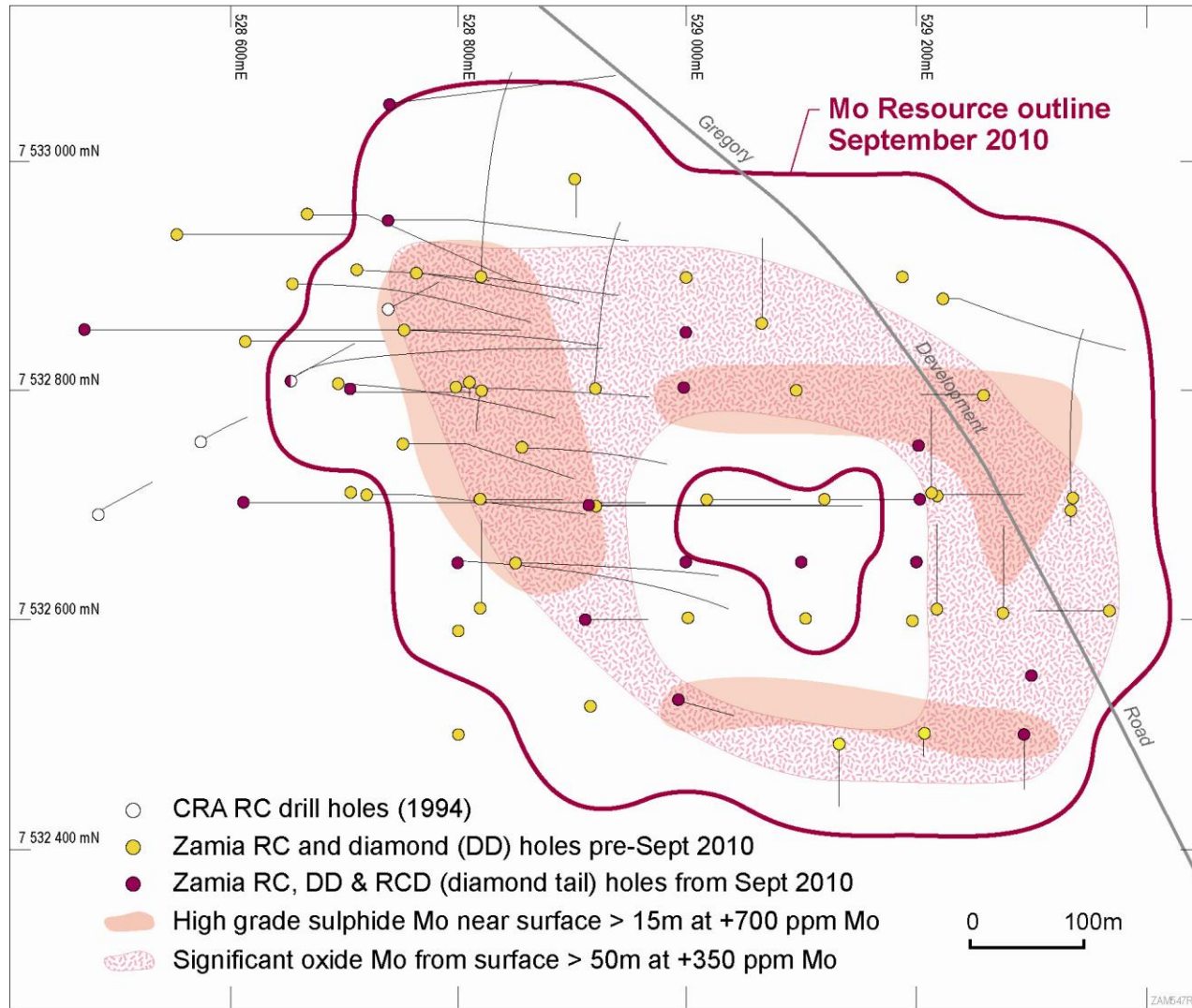
Vein stockwork in altered porphyry



Mo-quartz infill in micro-breccia

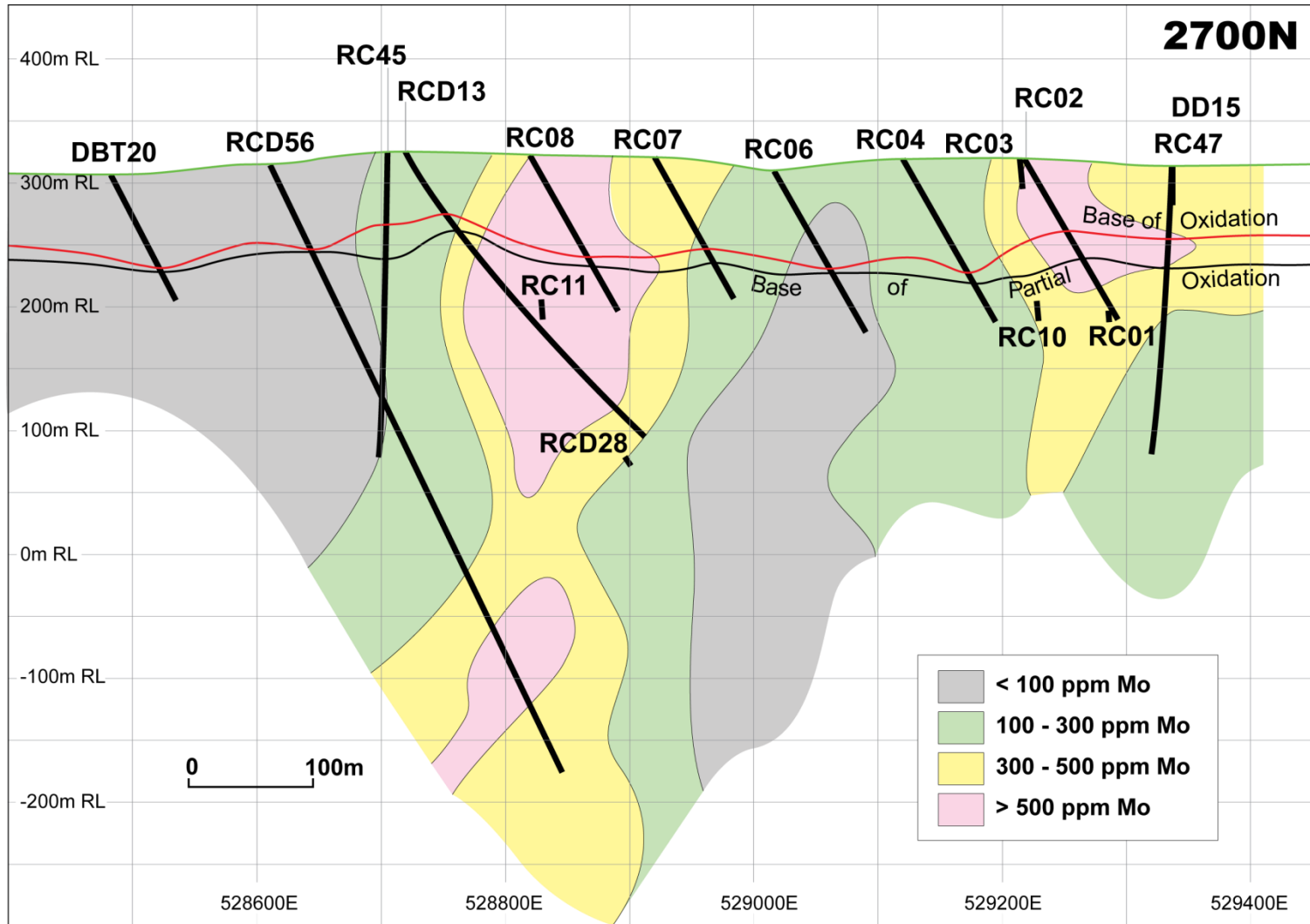


Anthony Drill Plan



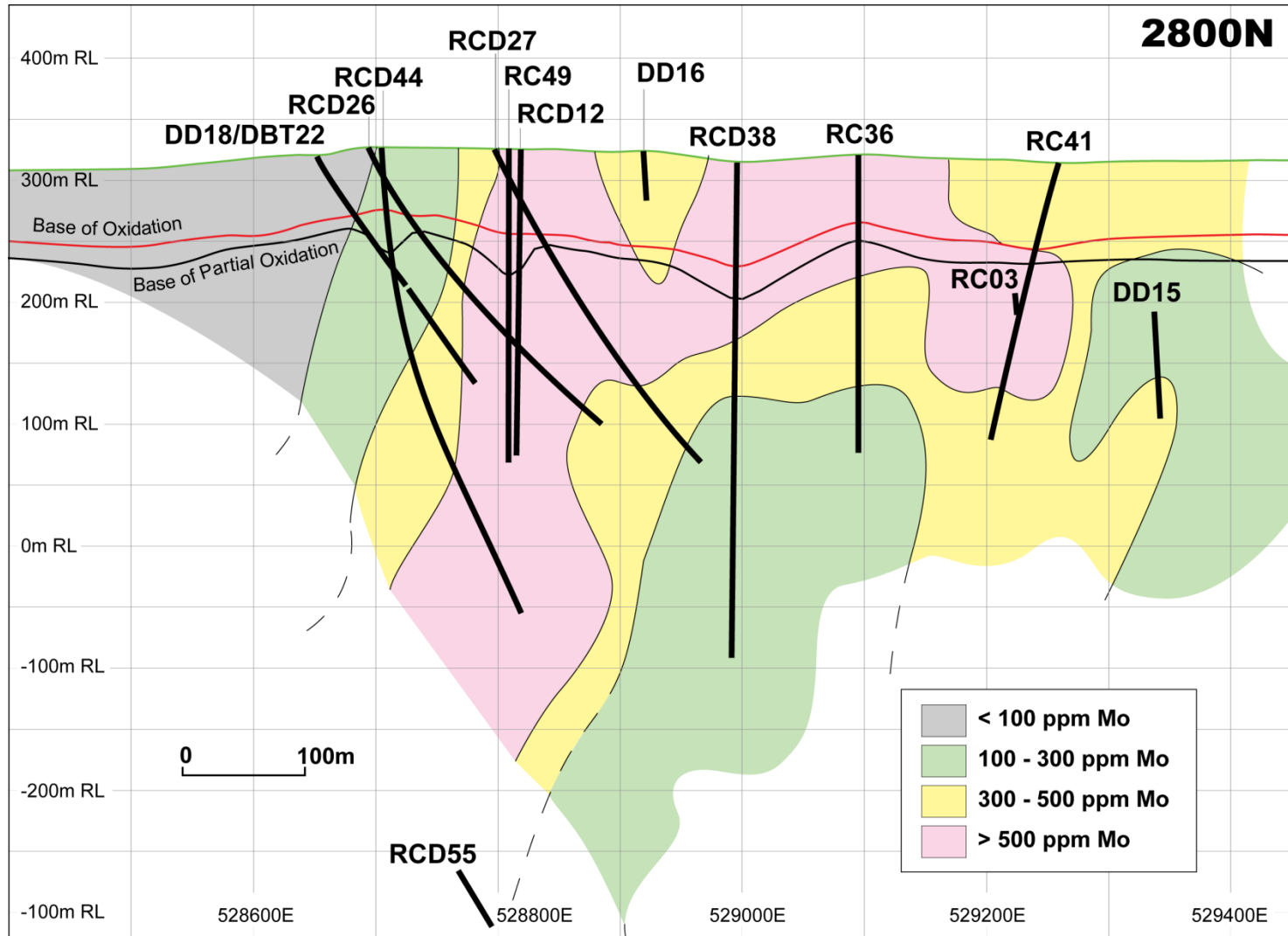


Grade Section





Grade Section



Cut-off grade (ppm Mo)	Resource (million tonnes)	Average grade (ppm Mo)	Mo metal (lb Mo)
200	130	400	114 000 000
400	60	550	73 000 000
600	15	730	24 000 000

**Additional oxide / transitional resource:
63 Mt at 400 ppm Mo (55 000 000 lb Mo)**

Inferred Resource estimate by Dr P Hellman of consultants Hellman & Schofield Pty Ltd, September 2010, reported in accordance with JORC Code & Guidelines.
(Note: 400 ppm Mo = 0.04% Mo)



Upgrading of Sulphide Mo Ore

- During coarse crushing, rock breaks along veins
- Molybdenite is preferentially concentrated in fine fraction
- Then upgraded through sizing & gravity processes

	Average for eight drill core samples
Head grade	408 ppm Mo
Grade of pre-concentrated product	973 ppm Mo
Mo grade of balance	270 ppm Mo
Weight % of beneficiated product	20.3%

Based on existing resource -

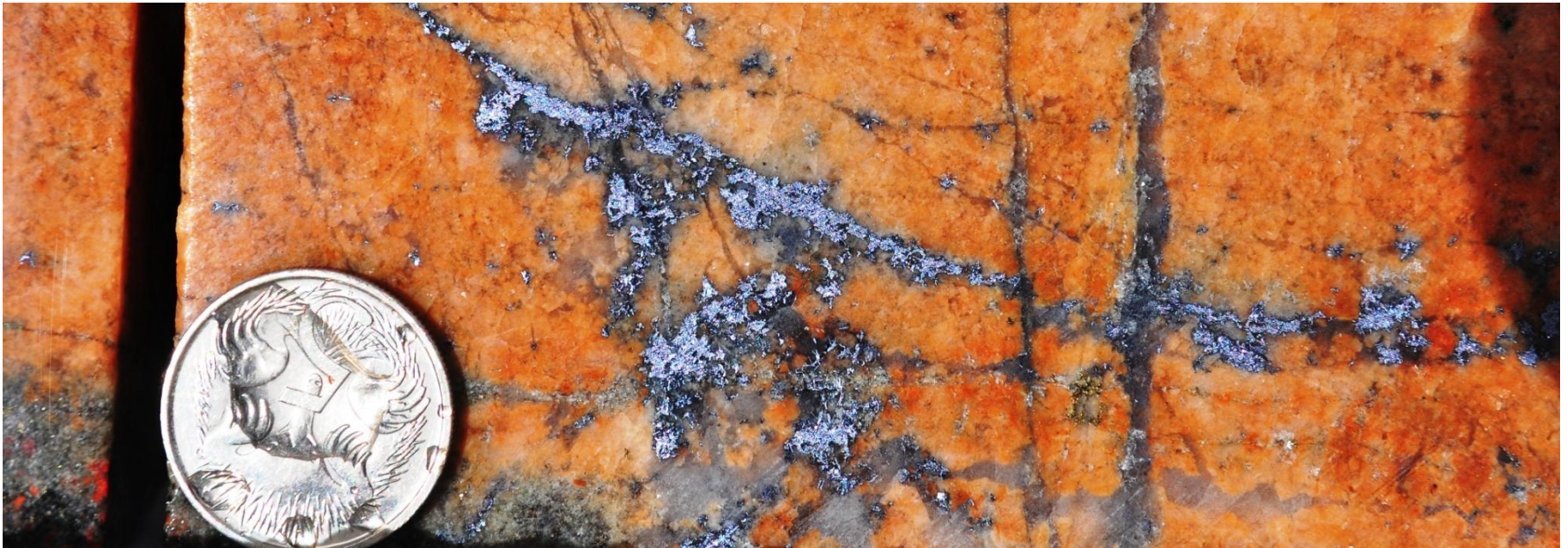
- High grade feedstock of 24 Mt at 1,000 ppm Mo
- Can process high grade in early years of operation
- Higher project returns
- Lower grade stockpile to be processed later in life of project



Flotation Tests

External locked cycle tests -

- + 50% Mo grade
- + 85% recovery (expected to reach +90% with further testing)
- Low levels of deleterious elements (Cu As Pb)
- Rhenium (Re) by-product

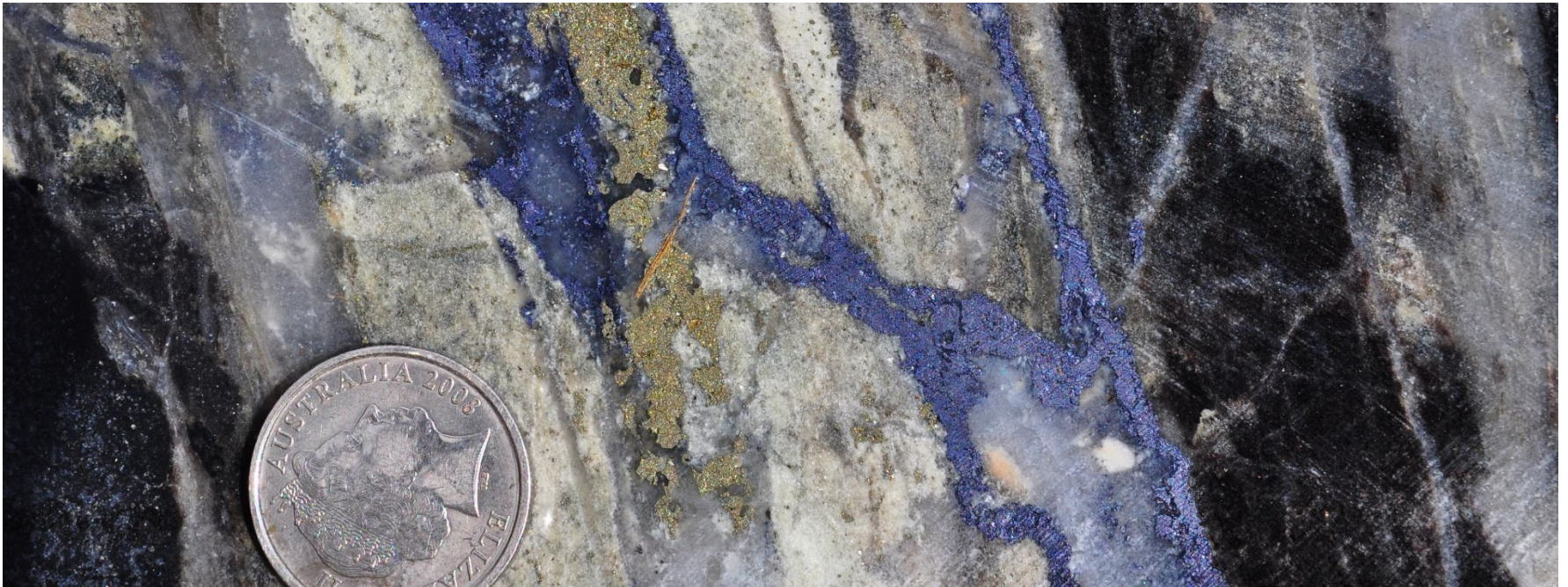




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Simple Flowsheet

- Crush to -10 mm
- Pre-concentrate
- Grind 80% -75 microns
- Flotation → Mo concentrate (+ 50% Mo)





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Oxide Resource

- The Anthony deposit is weathered (oxidised) to 60 – 80m depth
- Molybdenite breaks down; Mo re-precipitated as Mo-Fe oxide minerals
- Oxide/transition resource - 63 million tonnes at 400 ppm Mo
- Metallurgical tests in progress - looking positive

Outcrop – veins in weathered schist





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Scoping Study - in Progress

- **Geological interpretation**
- **Resource extension drilling**
- **Drilling of near-mine targets**
- **Metallurgical tests**
 - **primary (sulphide) material**
 - **secondary (oxide) material**
- **Preliminary mine planning**
- **Groundwater study**
- **Environmental study**
- **Infrastructure study**
- **Financial analysis**
- **Peer review planned for April - May**





Planned Development Schedule

	2010				2011				2012				2013				2014			
	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
Resource drilling	█	█	█	█	█	█	█	█												
Scoping study			█	█	█	█														
Definitive feasibility study							█	█	█	█										
Project Financing											█	█								
Procurement and design											█	█	█							
Construction													█	█	█		█	█		
Production ramp up																			█	█

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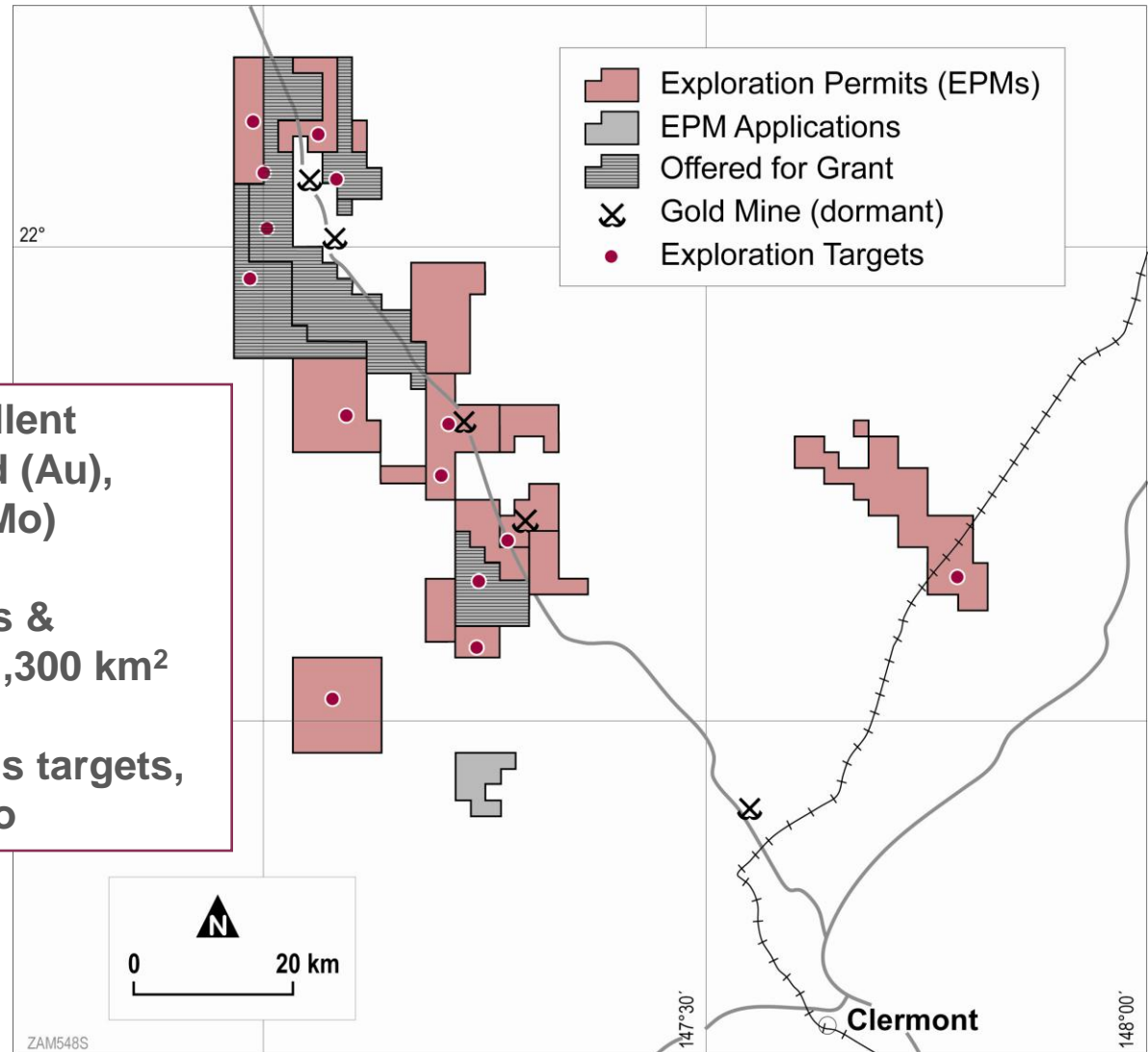
ZAMIA

An Emerging Mineral Province

Central Queensland has excellent potential for discovery of gold (Au), copper (Cu) & molybdenum (Mo)

Zamia has exploration permits & applications over more than 1,300 km²

Zamia has identified numerous targets, some with known Au, Cu & Mo





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Company Strategy

- **Determine extent of the Anthony deposit**
- **Upgrade resource estimation**
- **Advance the Anthony project towards feasibility**
- **Test other targets within the Clermont district**





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