



Zamia Metals Limited

August 2012

Capital Structure (as of 24 August 2012)

- Established junior mining company with investor interest from both Australia and Asia
- Top 20 shareholders account for approximately 67% of the register
- Review of potential strategic/cornerstone industry investors and JV partners underway

Shares	247,534,631
Options	22,442,856
Shareholders	1039

Holder Name	%
Brownstone International Pty Ltd	17.4
Kings Resources Group Co Limited	8.7
West Minerals Pty Ltd	7.0
China Kings Industry Pty Ltd	5.8
International Base Metals Limited	5.5
Mr Geng Haitao	3.7
Dr Deng Jiniu	3.5
Great Sea Wave Investment Pty Ltd	2.6



Experienced Board



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



- **Ken Maiden**
Non Executive Director
Geologist with 40 years professional experience



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



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



- **John Stone**
Company Secretary



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Company Strategy: Two-track Focus

Zamia has a two-track strategy to (a) advance the Anthony Project (molybdenum), and (b) establish copper & gold resources in its large tenement position in central Queensland

Anthony Project

- Seek potential strategic investors or Joint Venture (JV) partners
- Assess economics of the Anthony project

Regional Exploration

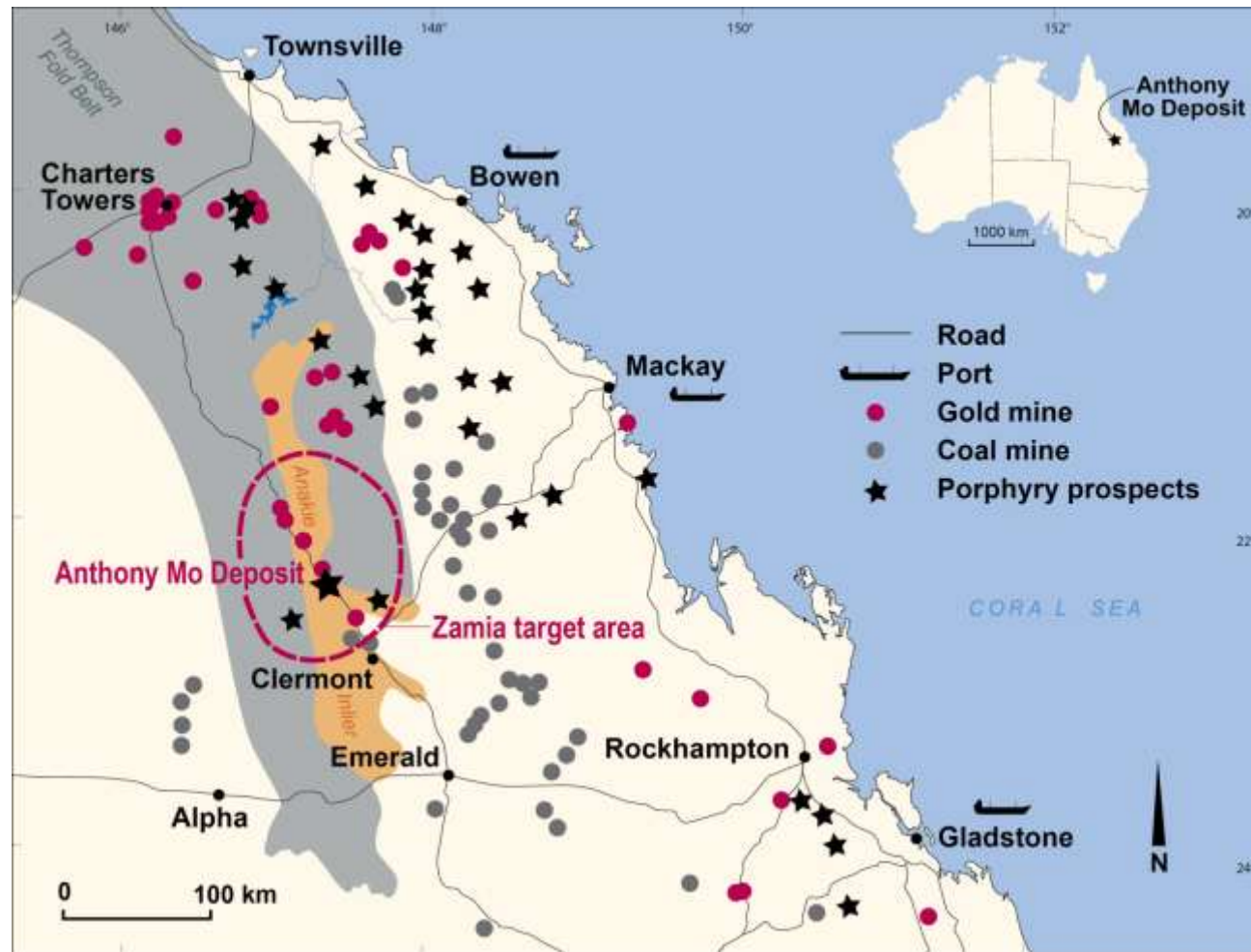
- Work with Gold Fields Australasia on 9 EPMs as per Option and JV Agreement
- Test gold-copper targets within the Company's other 4 tenements
- Seek other advanced gold projects and JV opportunities





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Location – Central Queensland



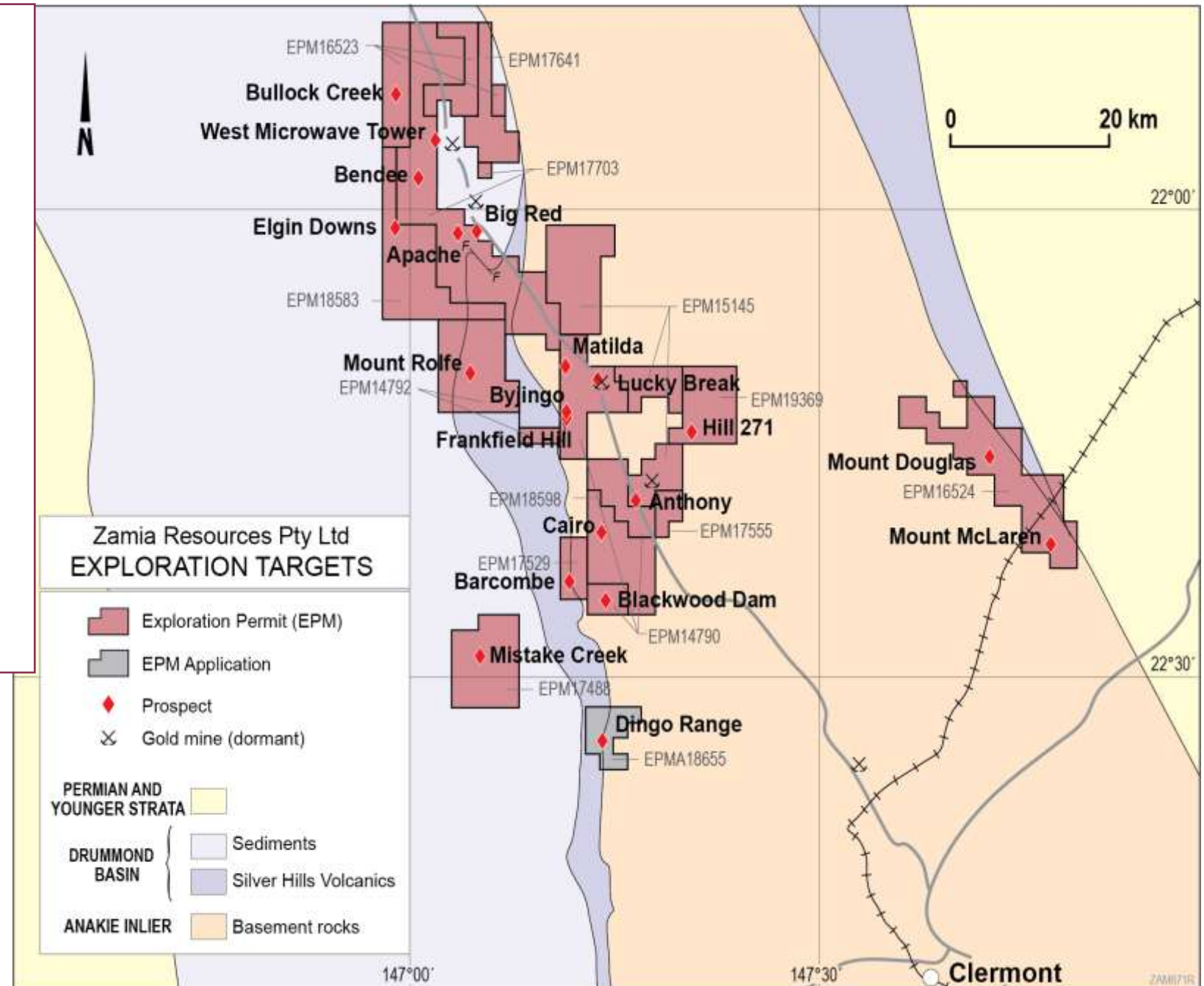
- Established gold province with emerging copper, gold and molybdenum deposits
- Good potential for large porphyry copper-gold deposits
- Multiple operating and post-production gold mines
- Good access but under-explored
- Established infrastructure
- Access to power & water
- No major environmental issues





Regional Geology & Zamia Tenements

- Central Queensland has excellent potential for discovery of intrusion-related gold (Au), copper (Cu) & molybdenum (Mo)
- Zamia has exploration permits & applications over more than 1,500 km²
- Zamia has identified numerous porphyry and epithermal targets, some with known Au, Cu & Mo





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Anthony Molybdenum (**Mo**) Project



ASX:ZGM



Anthony Molybdenum (**Mo**) Project

Main Features

- Porphyry-style Mo deposit
- A maiden resource was announced in April 2010. Ongoing drilling has expanded the resource substantially
- Resource of 318 Mt ore at 390 ppm (0.039%) Mo updated in March 2012
- Resource open laterally & at depth
- Oxide to 60 – 80m depth, above primary sulphide Mo
- Excellent metallurgy in sulphide Mo material
- Recovery of oxide Mo looks possible
- Well located with respect to infrastructure





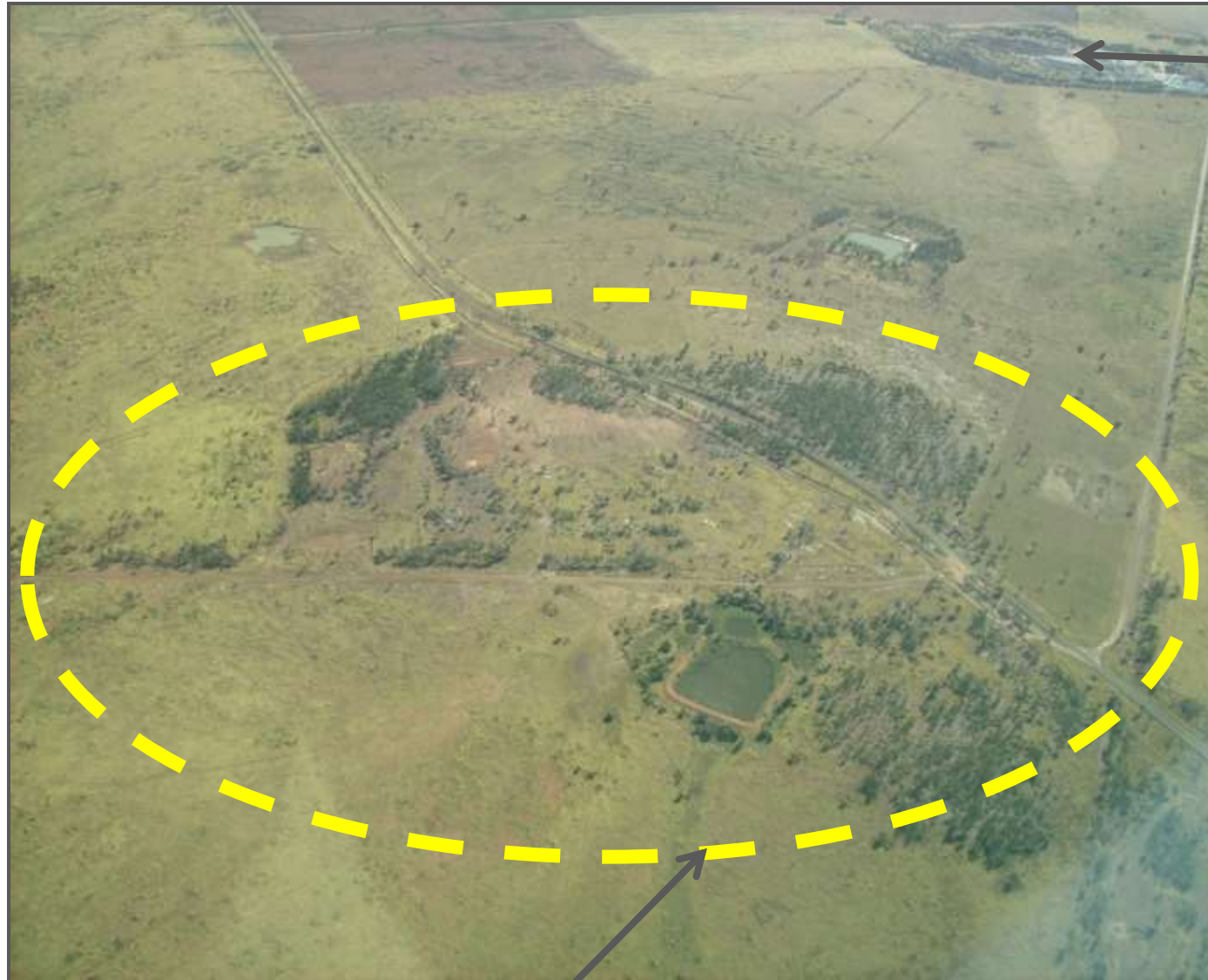
Inferred Resource estimate updated in March 2012

Cut off grade	Sulphide Resource			Transition Resource (partial oxide)			Oxide Resource			Total Resource		
(ppm Mo)	Tonnes (million)	Mo Grade (ppm)	Contained Mo (million lb)	Tonnes (million)	Mo Grade (ppm)	Contained Mo (million lb)	Tonnes (million)	Mo Grade (ppm)	Contained Mo (million lb)	Tonnes (million)	Mo Grade (ppm)	Contained Mo (million lb)
600	20	800	36	1.3	730	2.1	3.1	660	4.5	25	780	42
400	91	560	112	5.2	540	6.2	17	510	20	114	550	137
200	250	390	215	13	400	11	53	370	43	318	390	269

Note: Figures have been rounded

Inferred Resource estimate upgraded by Dr P Hellman of consultants Hellman & Schofield Pty Ltd, March 2012, reported in accordance with JORC Code & Guidelines
(Note: 400 ppm Mo = 0.04% Mo)





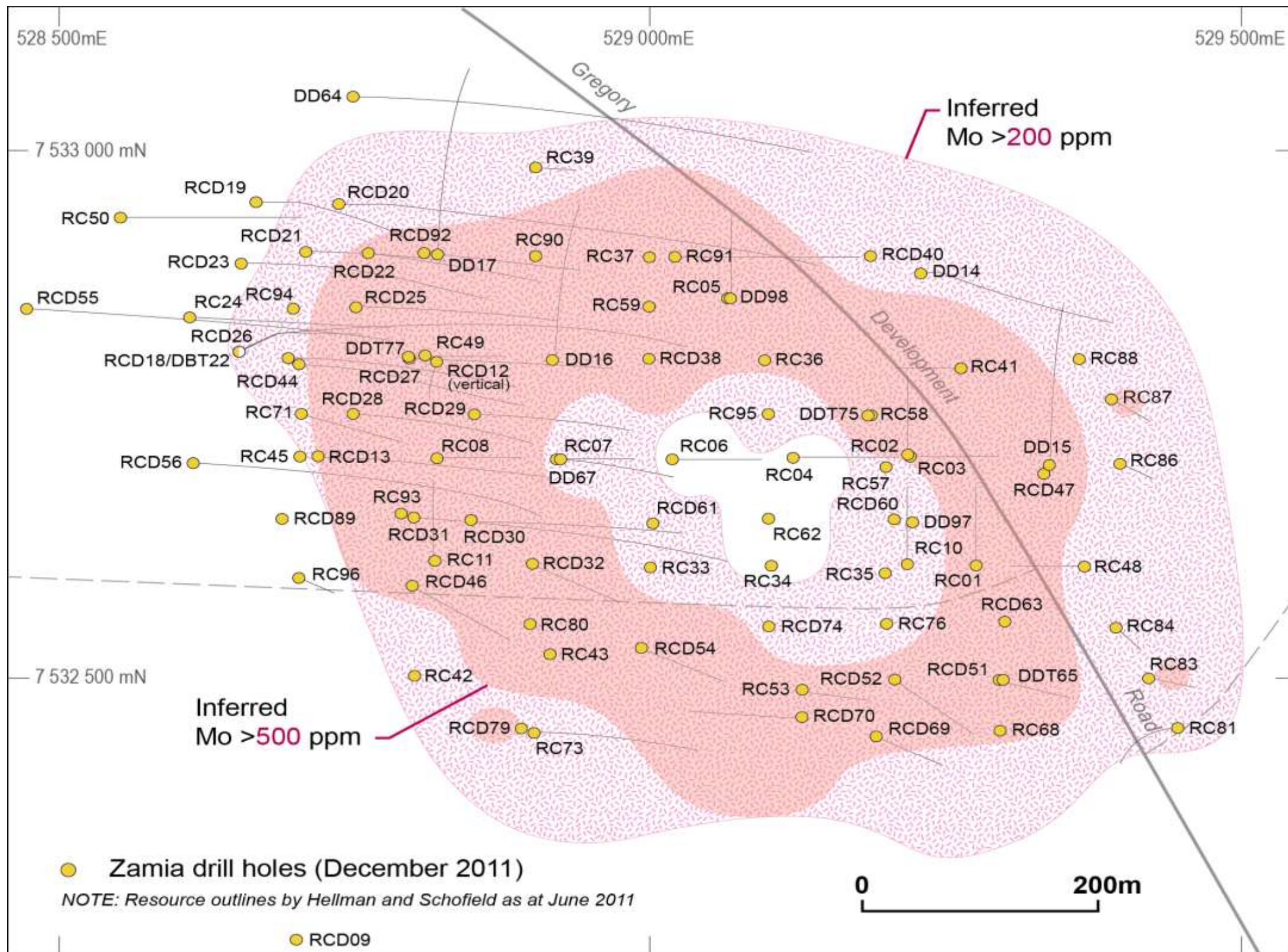
**Belyando gold mine
(not held by Zamia)**

- The deposit outcrops on a low ridge, which rises about 15m above the surrounding black soil plain
- A sealed highway crosses over the deposit
- The inactive Belyando gold mine lies about 2 km to the northeast

Anthony Mo deposit

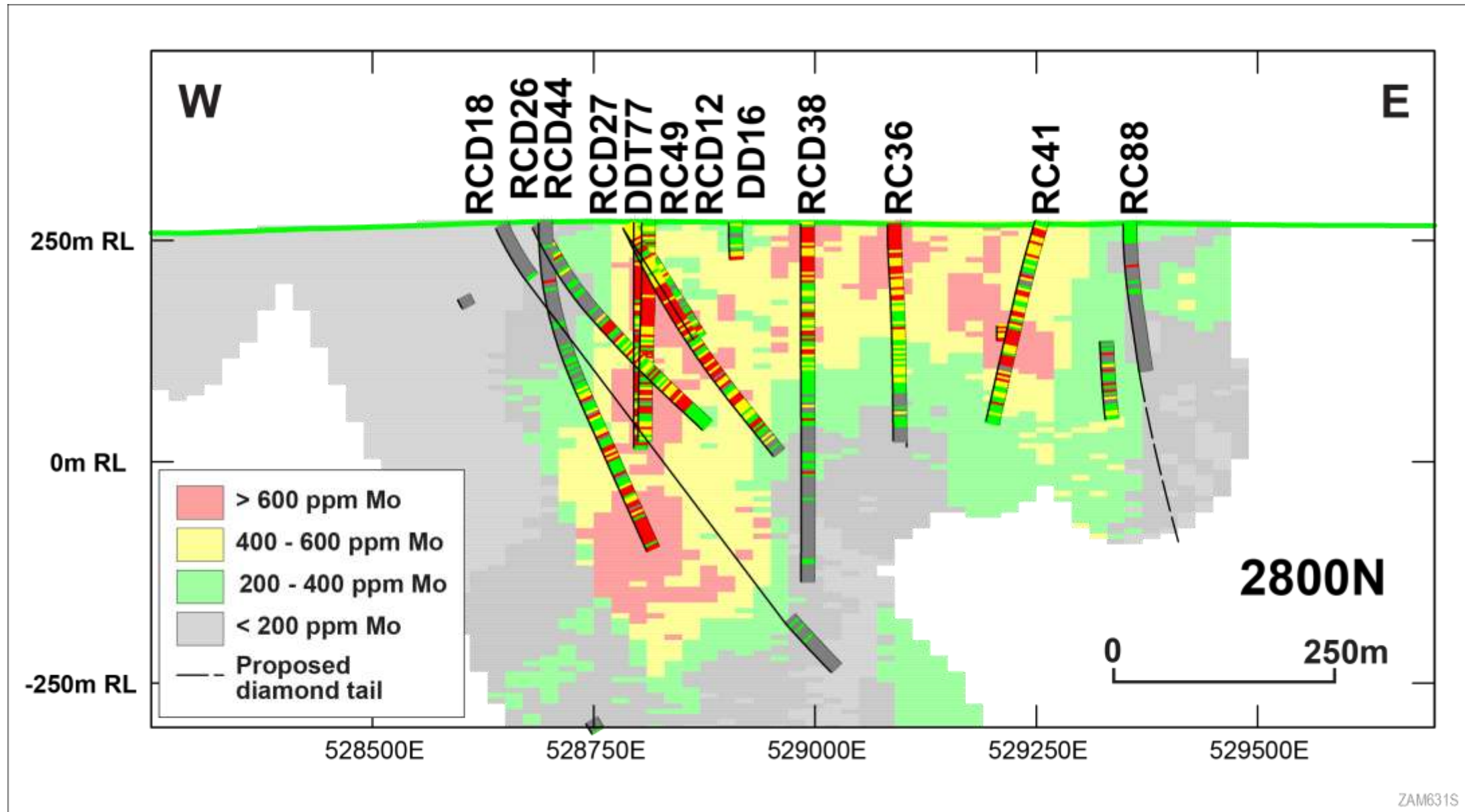


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Drill Section



Drill cross-sections (west-east) through the Anthony deposit show high grade zones surrounded by lower grade mineralisation. Drill holes have intersected potentially ore-grade molybdenum mineralisation down to 500m depth below surface. The deposit shape is conducive to a large open-pit mining operation



Upgrading of Sulphide Molybdenum Ore

- Low grade material (~ 400 ppm Mo) can be simply & cheaply upgraded ('beneficiated') by coarse crushing & gravity separation to produce a feedstock of ~ 1000 ppm Mo

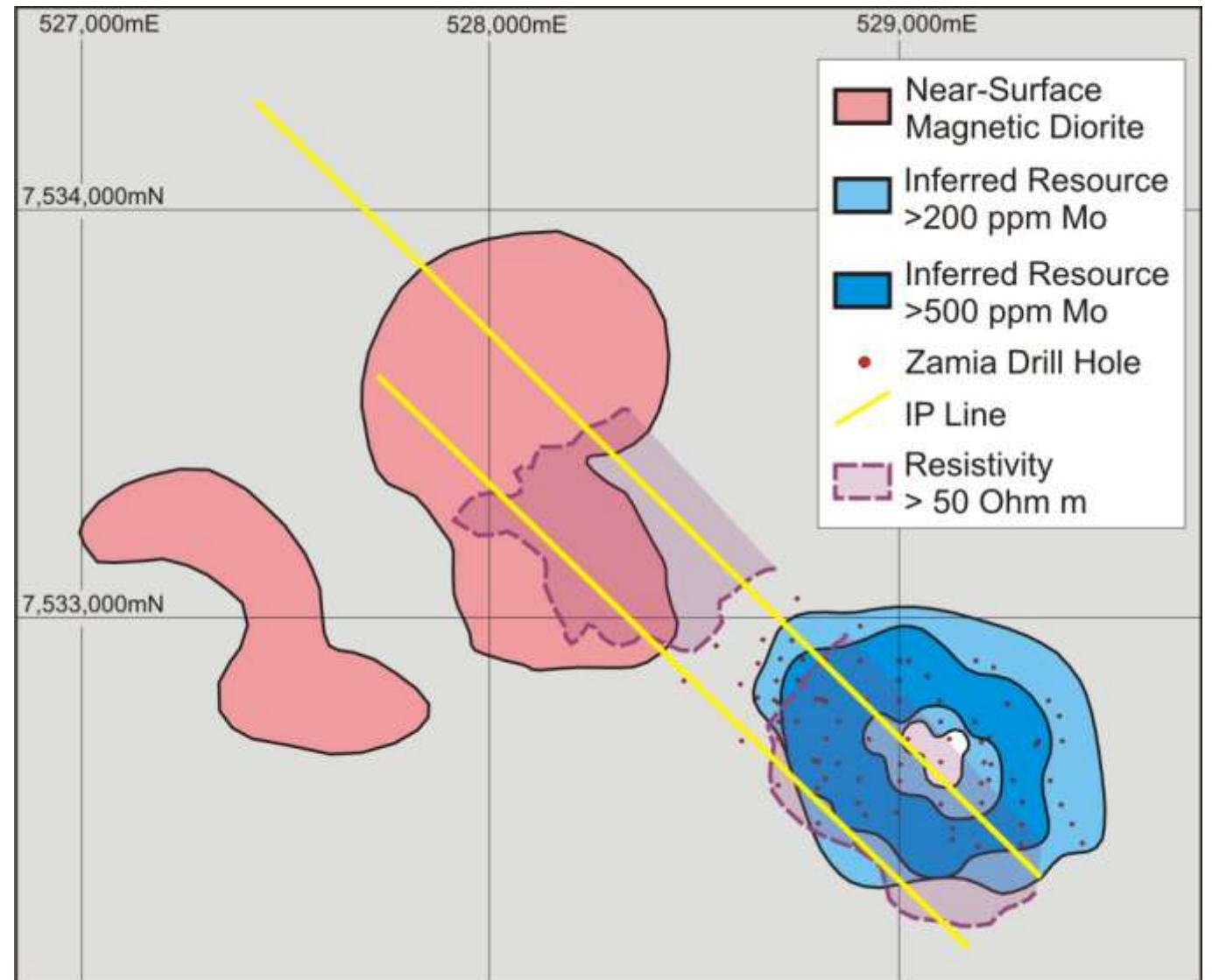
- Zamia is investigating a process whereby
 - High grade ore will be fed directly through the crushing & grinding circuit to a flotation plant
 - Low grade material will be beneficiated to produce high grade feedstock for the grinding circuit & flotation plant
 - Flotation tests show the likelihood of producing a high grade (+50% Mo) concentrate with low levels of contaminants (lead, arsenic, etc.)
 - Preliminary testwork indicates the possibility of recovering a molybdenum product from the near-surface oxide resource





Anthony IP Survey Results

- Following the completion of 2011 drilling, Zamia acquired two lines of Induced Polarisation (IP) data
- Aim to better understand the geophysical properties of the deposit
- Two “roll-along” IP arrays totaling 4.8 km in length
- Interpreted results indicate horizontal zone of coincident high resistivity and chargeability
- IP model revealed an untested area with similar geophysical properties to the NW of known molybdenum deposit





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Anthony Project - Looking Ahead

Strategy

- Seek potential strategic/cornerstone industry investors
- Assess the economics of the project

Committee of technical experts recommendations:

- Pause in drilling after resource upgrade
- Assess technical feasibility - primary & oxide Mo
- Then move to a scoping study including preliminary financial analysis

Zamia is seeking a strategic/JV partner to fund the project through to completion of a definitive feasibility study





Molybdenum - Chemical Symbol Mo

Attributes

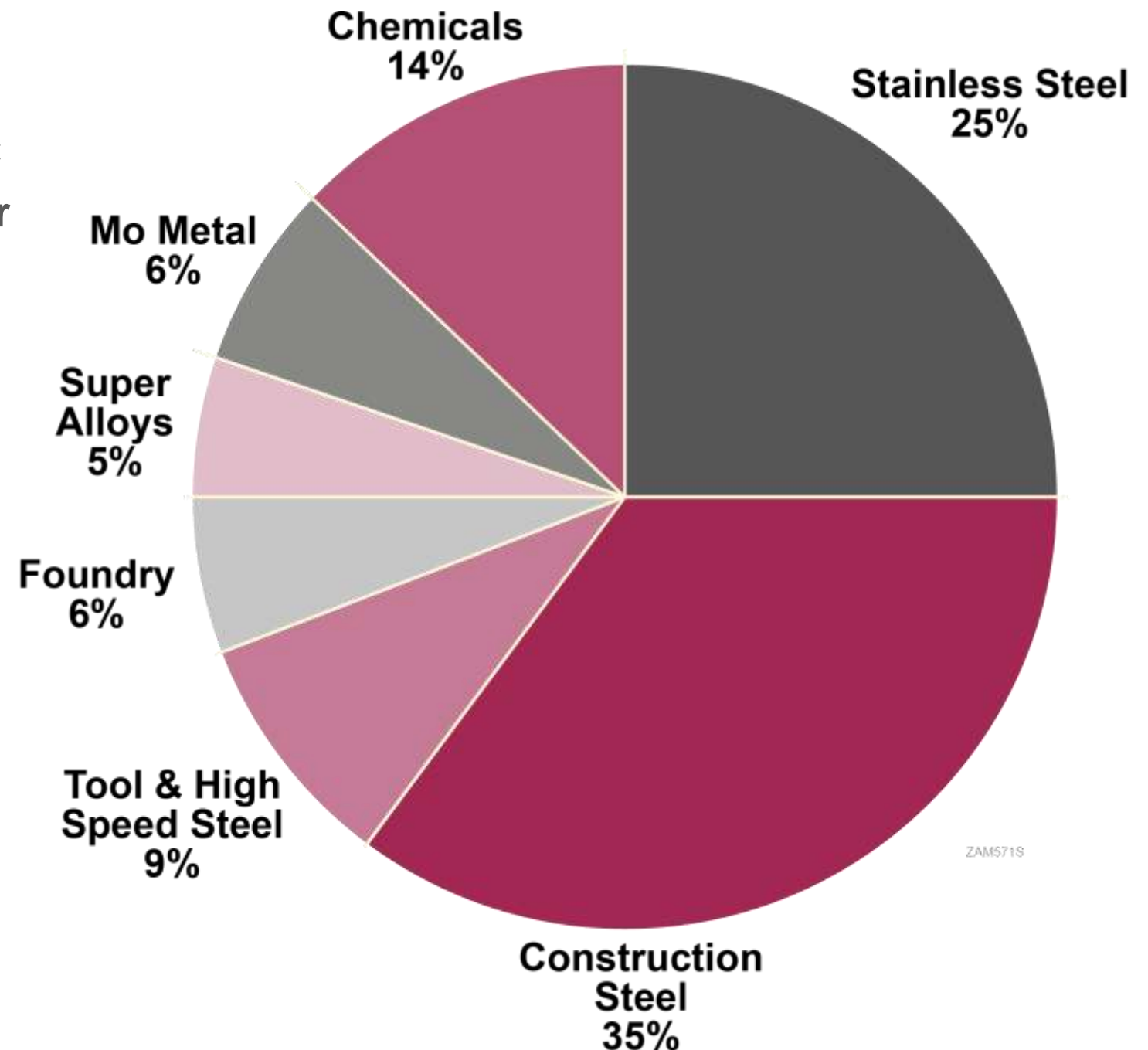
- Heavy metal
- Very high melting point +2,600°C
- Steel, alloyed with Mo, is stronger & more resistant to heat & corrosion

Major uses

- Construction steel
- Stainless steel

Emerging uses

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





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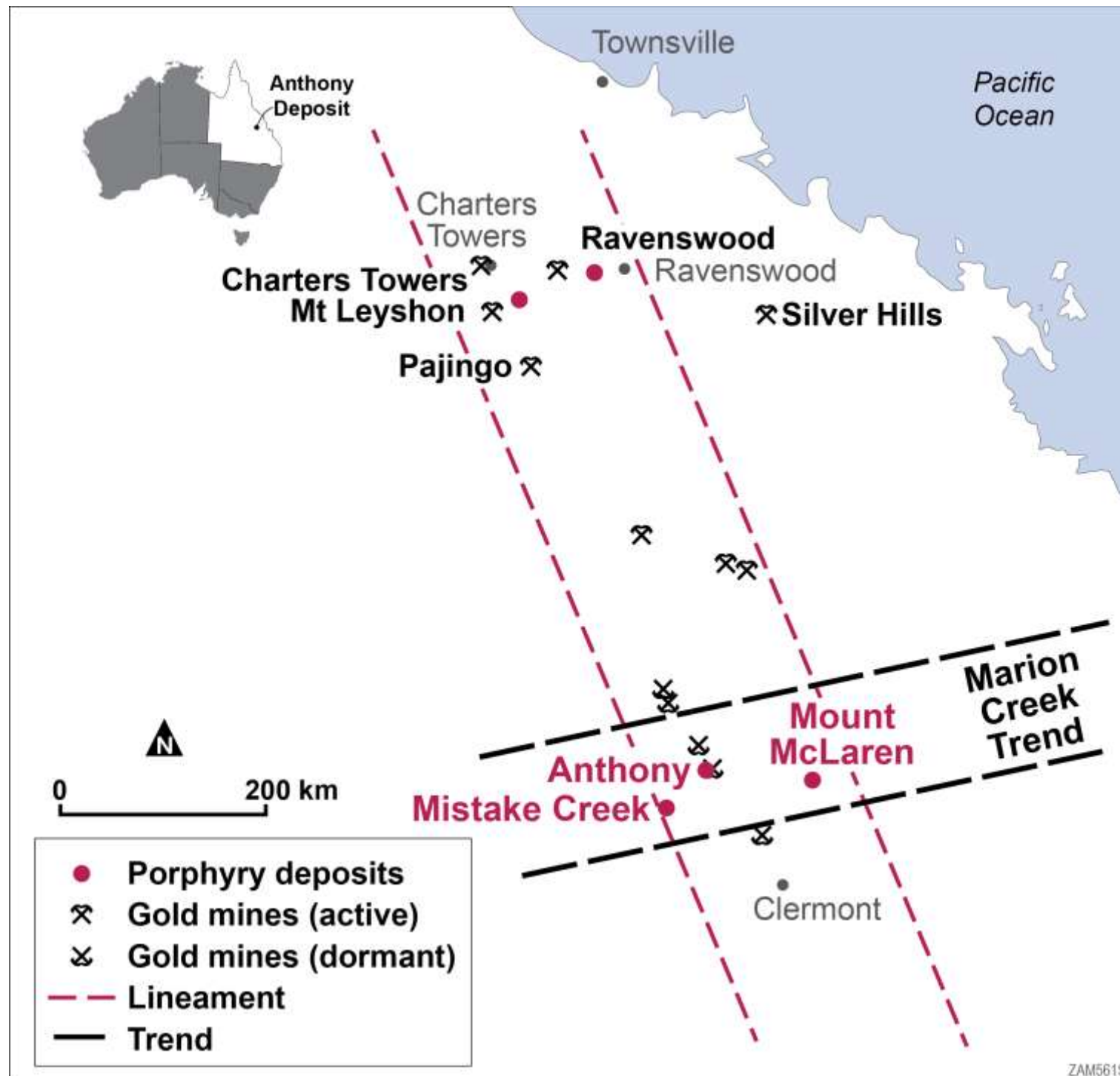
Regional Discovery Potential



ASX:ZGM



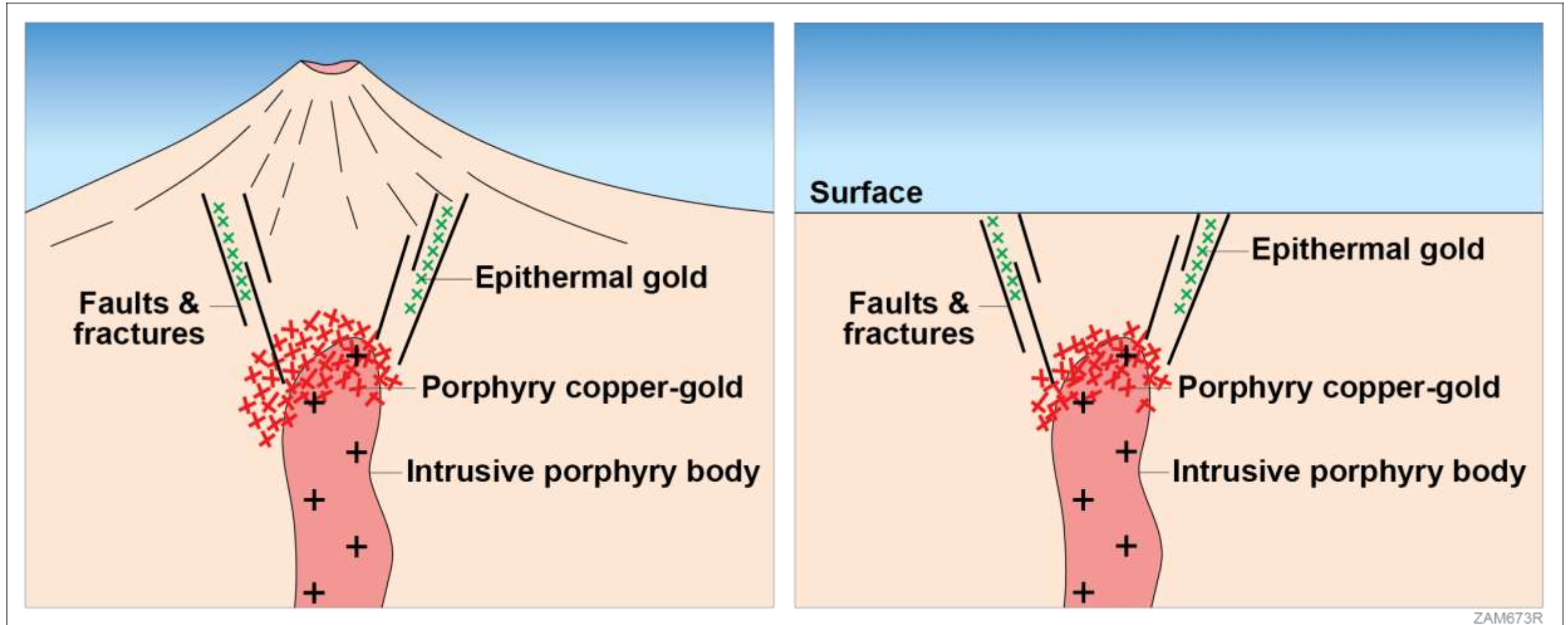
Regional Discovery Potential



- The Charters Towers to Clermont belt in Central Queensland has long been recognised as a gold province
- Some porphyry-type copper-gold prospects have been known for some time
- Zamia's discovery of the Anthony deposit demonstrates the potential for major porphyry systems
- Since the Anthony discovery, exploration ground has been tightly held in the region
- Several major companies are now seeking Joint Venture opportunities



Porphyry – epithermal model



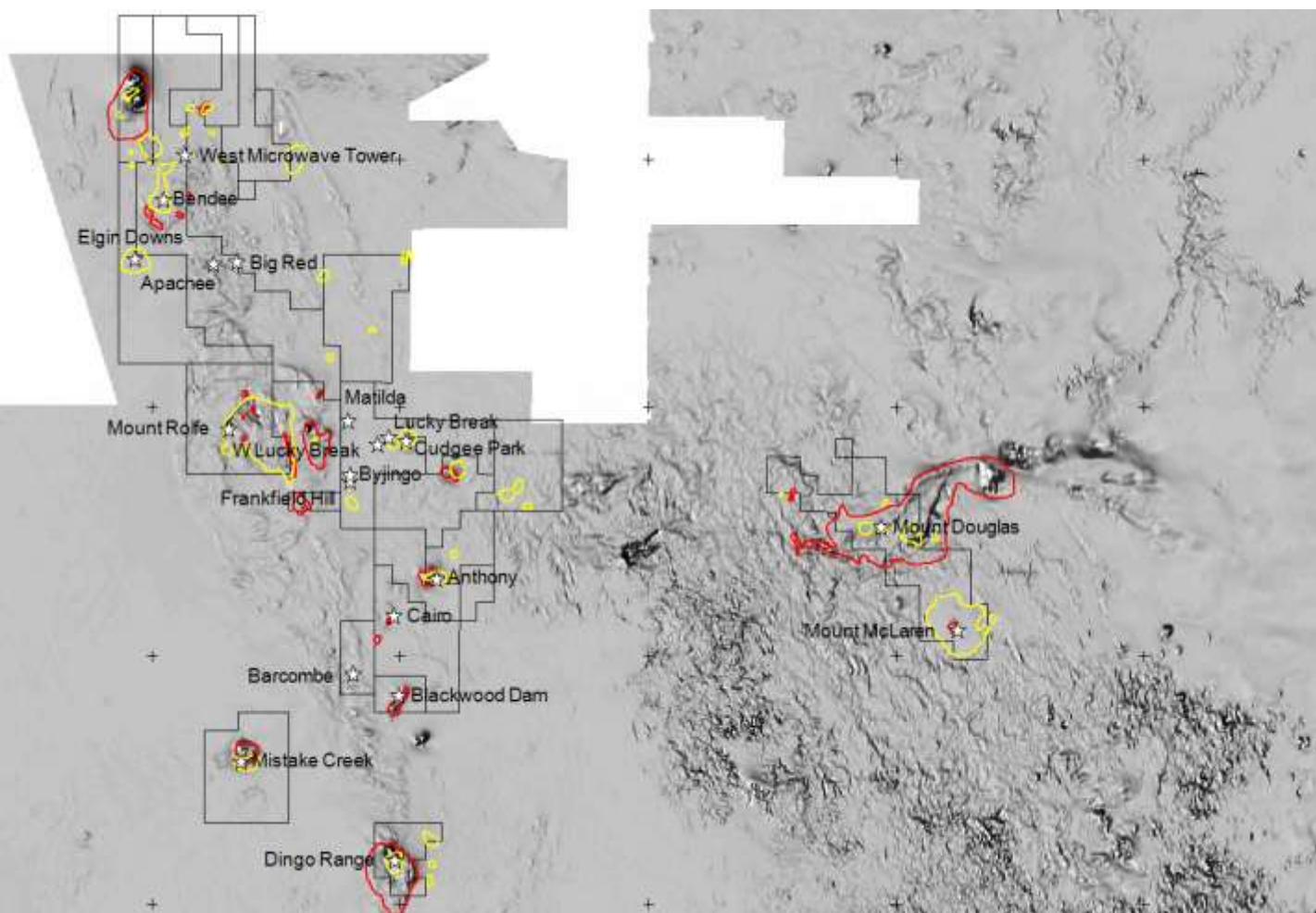
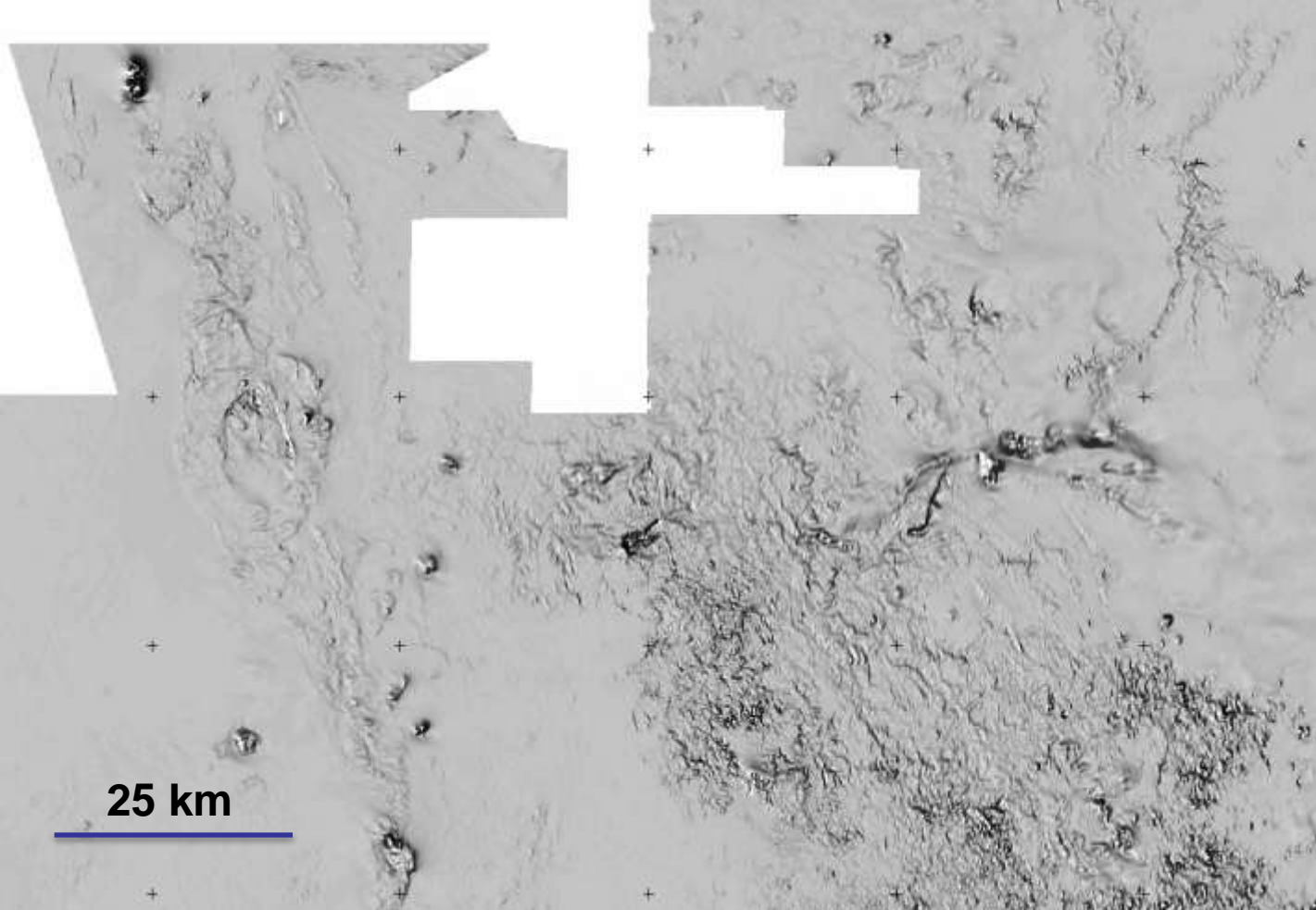
Geological setting

(a) 400 million years ago

(b) Today

Geological Setting

- The grey-scale magnetic image shows numerous intrusive igneous complexes. Most of these do not outcrop and have never been explored
- Red outlines = magnetic anomalies (Magnetic intrusive bodies)
- Yellow outlines = potassium anomalies (Intrusive bodies or alteration zones)
- Black lines = Zamia EPMs & applications



Regional Exploration

Zamia's current exploration activities include:

- **Working with Gold Fields on 9 EPMs**
- **Test gold-copper targets within the Company's other 4 tenements**
- **Regional geological interpretation based on integration of data, including review of the regional airborne geophysical (magnetic & radiometric) data sets**
- **Identification of intrusive igneous complexes**
- **Geological mapping, soil geochemical surveys and electrical geophysical (IP) surveys**





Option and JV Agreement signed with Gold Fields

Zamia has two options to explore in Clermont in 2012:

- Joint venture (whole or partial) of Zamia tenements, allowing Zamia to seek opportunities in new geological areas or expand its presence in the Clermont district
- Continue to sole-fund activities on other exploration tenements in Clermont

Option and JV (OJV) Agreement with Gold Fields Australasia

- Agreement signed and announced to the market
- Gold Fields to explore for gold and copper on Zamia's 9 EPMs
- Gold Fields can earn rights in two option periods by funding \$10 million in exploration expenditure
- JV interest up to 70% in 3 EPMs out of the 9 EPMs

Other Opportunities

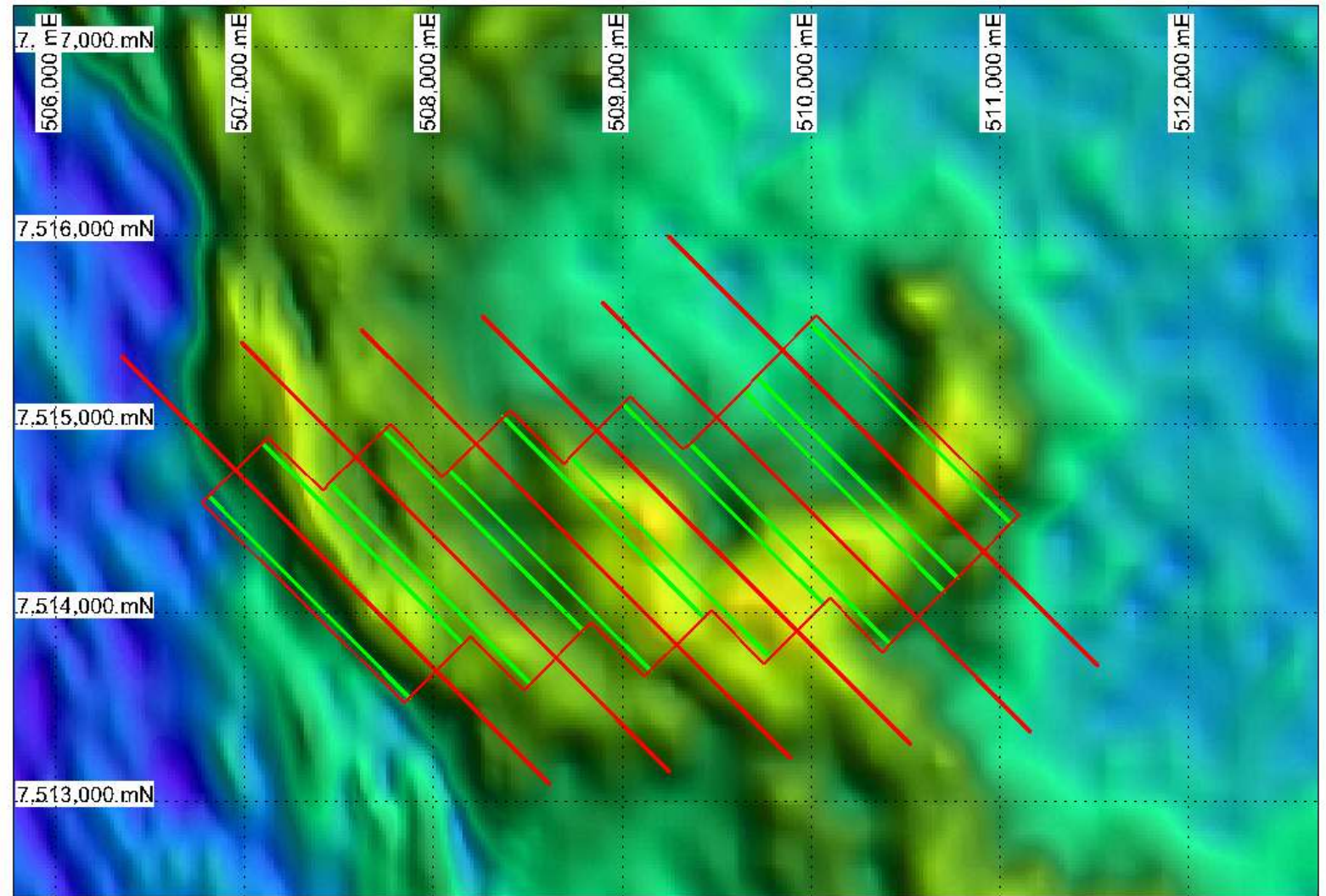
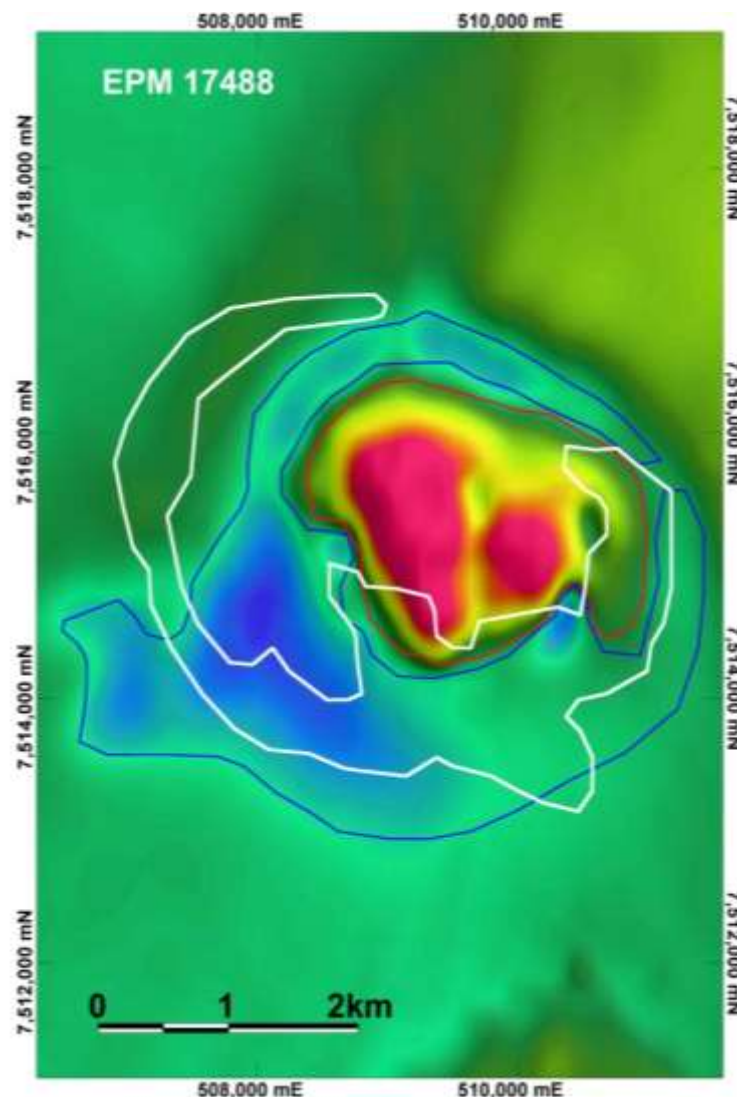
- Zamia in discussion with companies for opportunities on the other 4 EPMs
- Reviewing other base metal and gold prospects





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Regional Targets - Mistake Creek

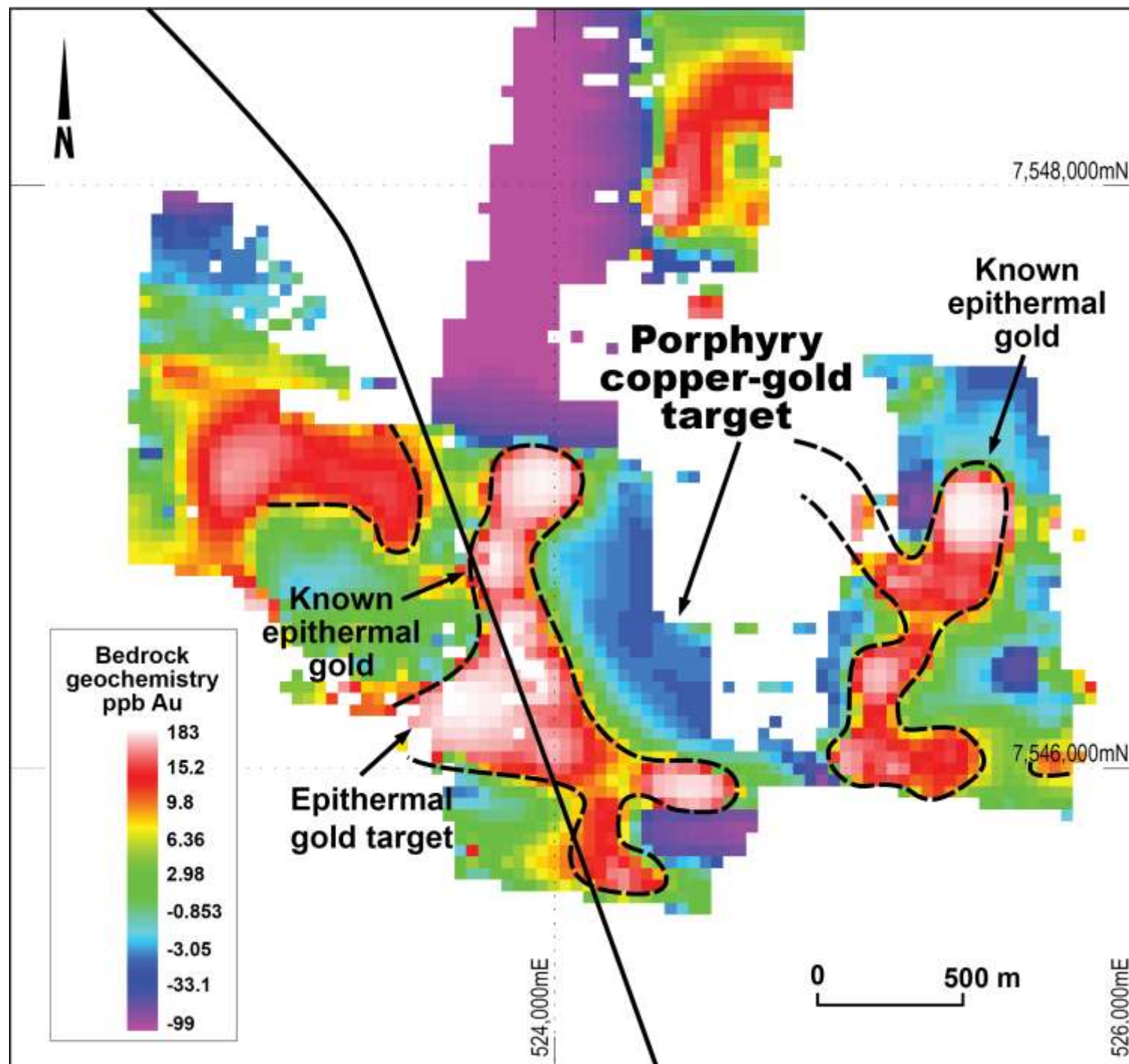


Left: Magnetic image showing a “high” (red) related to magnetic intrusive bodies, and surrounded by subdued negative magnetic anomalies (blue lines). White lines = potassium radiometric anomalies possibly indicating rock alteration. Previous shallow drilling near the edge of the magnetic anomaly intersected elevated base metals & gold (up to 2m at 2.0 g/t Au). The magnetic “low”, possibly caused by rock alteration, has not been tested

Right: Potassium channel radiometric image showing semi-circular anomaly and planned I.P. lines



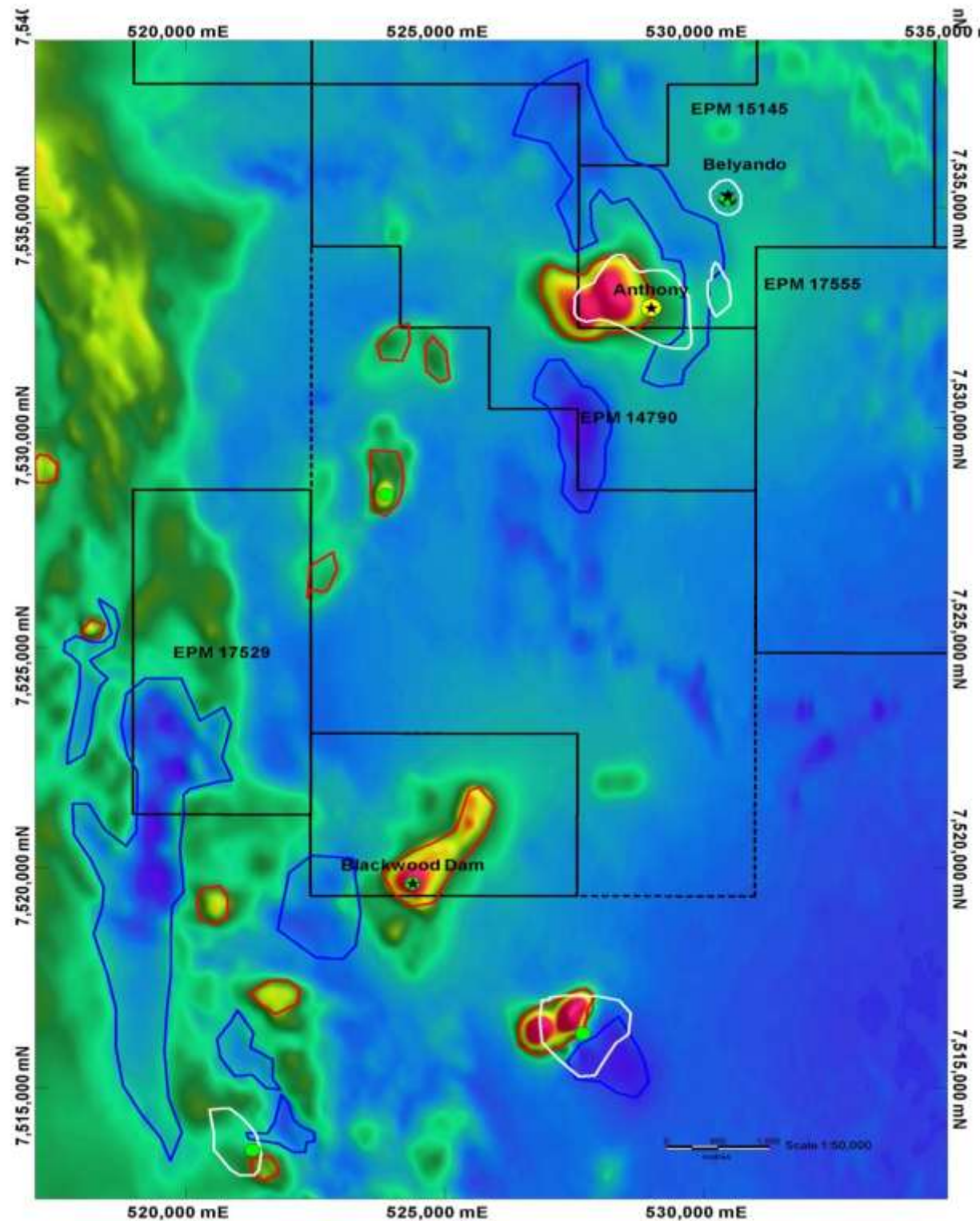
Regional Targets - Cudjee Park



- A potassium radiometric anomaly, 3 kms across, indicates an underlying igneous intrusive body.
- Red areas show gold geochemical anomalies. 7,000 oz gold was recovered from the Lucky Break open-cut mine.
- The semi-circular gold geochemical anomaly (pink & red areas) could represent an epithermal gold system above a large porphyry copper body at depth



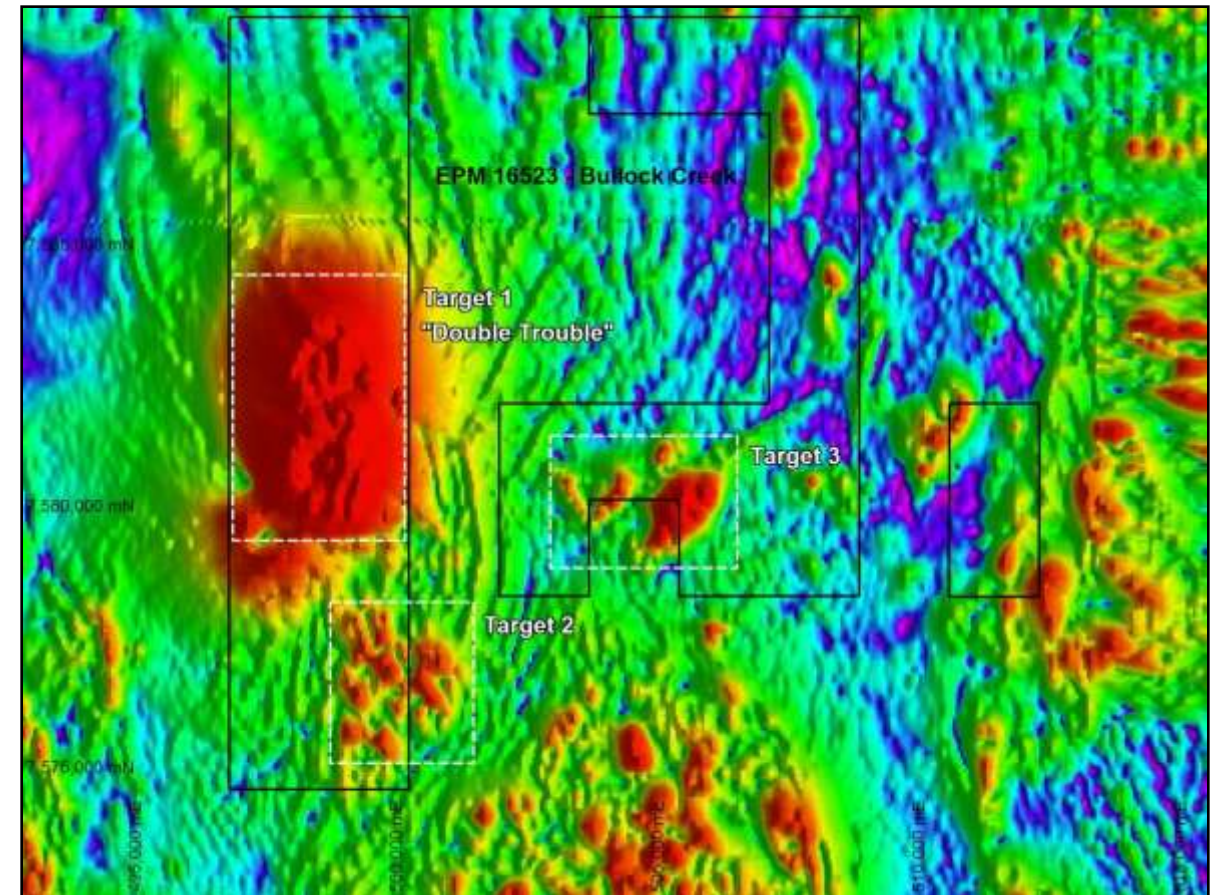
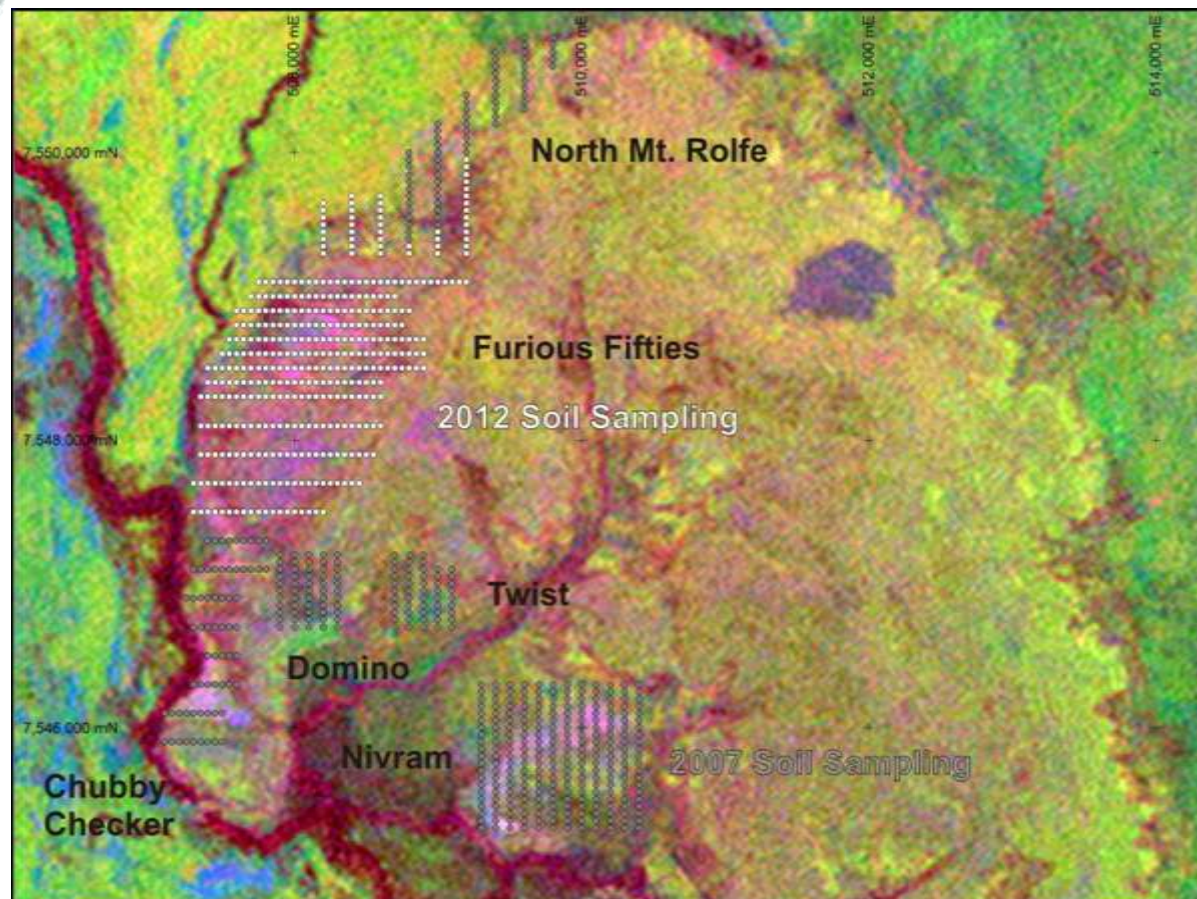
Regional Targets - Blackwood Dam



- The target area is a magnetic anomaly which indicates an intrusive igneous complex
- There is no rock outcrop and the target area has never been explored
- Zamia is in an electrical geophysical (I.P.) survey program over the target area



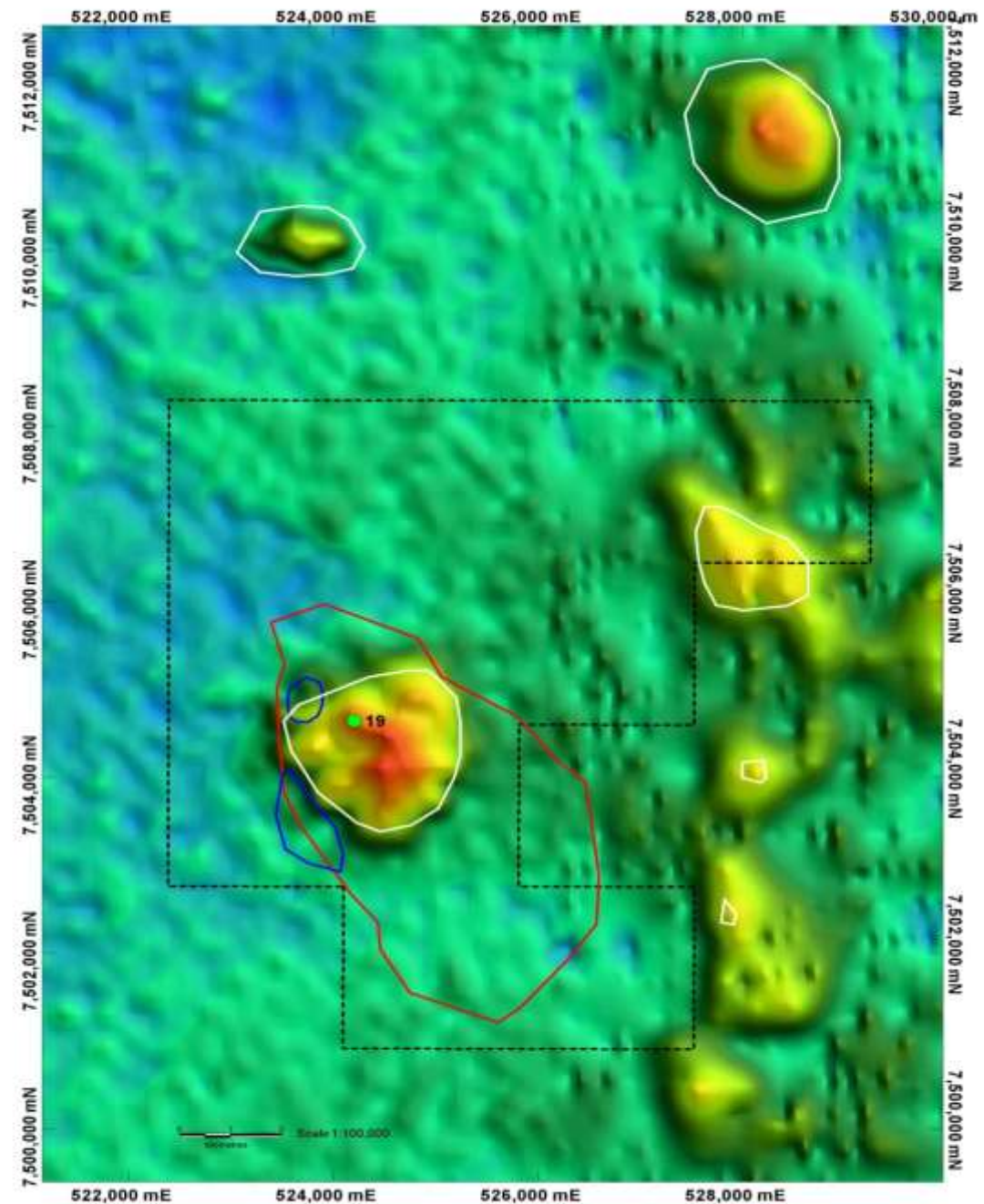
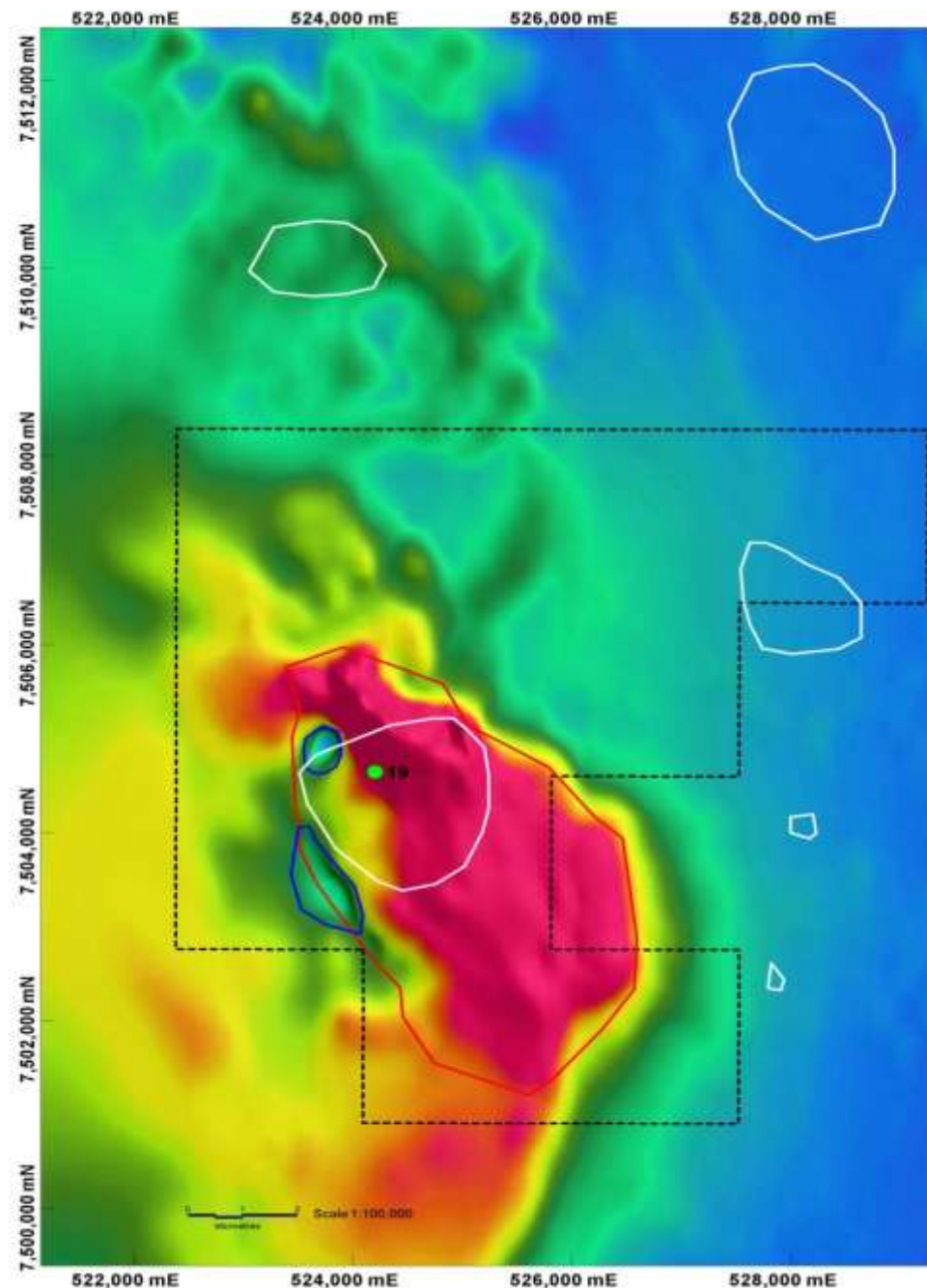
Regional Targets - Mount Rolfe and Bullock Creek



- Target area at Mount Rolfe was covered by a mobile metal ion (MMI) soil sampling program and a follow-up infill sampling accompanied by geological mapping and rock chip sampling
- Results show a complex response with isolated gold and copper anomalies; no outstanding geochemical target was delineated or other base metals was identified
- At Bullock Creek MMI soil samples covering the magnetic intrusive and its immediate host rocks were collected
- Another two conventional soil sample grids were completed and the results are pending



Regional Targets - Dingo Range



The target is an untested magnetic anomaly with a coincident potassium anomaly indicating an intrusive igneous complex. There has been no previous detailed exploration



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, Non-Executive Director 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.





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