



Presentation to
Excellence in Mining & Exploration

17:30 on 16 September 2008





GOLDEN CROSS RESOURCES

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This material contains certain forecasts and forward-looking information, including information about possible or assumed future performance, exploration results, resources or potential growth of Golden Cross Resources Ltd, industry growth or other trend projections.

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COMPETENT PERSON STATEMENT

The information in this presentation that relates to Exploration Results is based on information compiled by Kim Stanton-Cook, who is a member of the Australian Institute of Geoscientists, is a full-time employee of GCR, and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity 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”. Kim consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

16 September 2008



GOLDEN CROSS RESOURCES

Golden Cross is a gold, base metals, phosphate and uranium explorer.



**Lachlan Fold Belt and
Curnamona Province
of New South Wales**

GOLDEN CROSS RESOURCES

Golden Cross is expanding its range to include phosphate with drill-defined deposits reported in Queensland Government Mining Journal.



Mount Isa (phosphate) 1/3rd of Legend International's estimated rock phosphate.

Mount Isa (uranium, copper-gold) 100% GCR

Georgetown (gold) and Bowen (gold-silver)

GOLDEN CROSS RESOURCES

Golden Cross now has a nickel project in the Yilgarn.



**Yilgarn Block of
Western Australia.**

**Mulga Tank Project has
two drill intersections of
+200m @ 0.2% Ni**

GOLDEN CROSS RESOURCES

Golden Cross has exploration interests off-shore:

Copper & Gold in Panama

Six new applications for porphyry copper and epithermal gold targets.



Uranium in Labrador, Canada.

Airborne radiometrics & magnetics flown.

+2% U₃O₈ from outcrop samples and

**New prospects defined by the May-June
2008 exploration program**



GOLDEN CROSS RESOURCES

Golden Cross is a gold, uranium and base metals explorer on the move



3,000+ shareholders

633 million shares issued

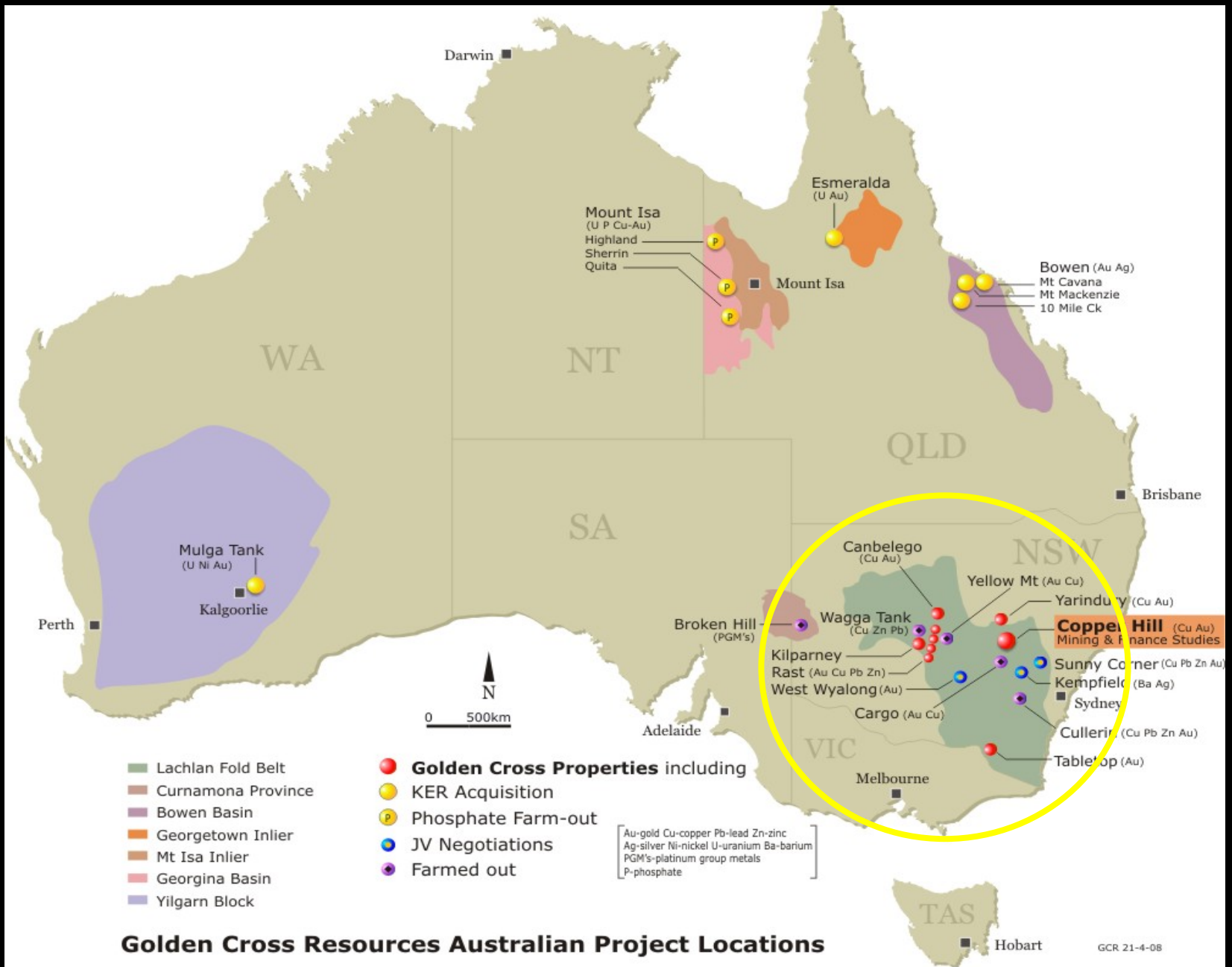
\$11 million market capitalisation

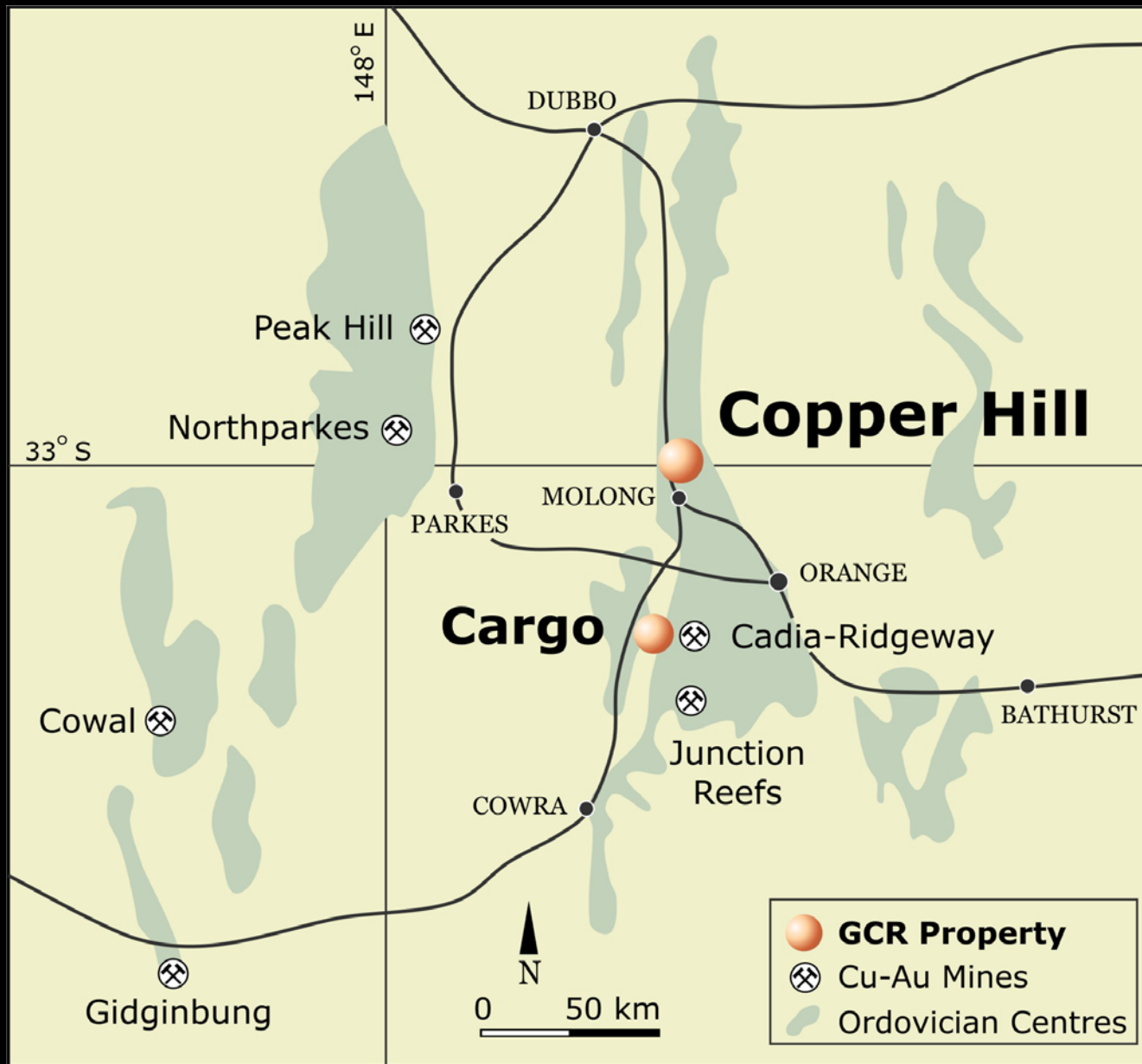
\$2M in cash + ~\$2M in cash/equity in staged payments

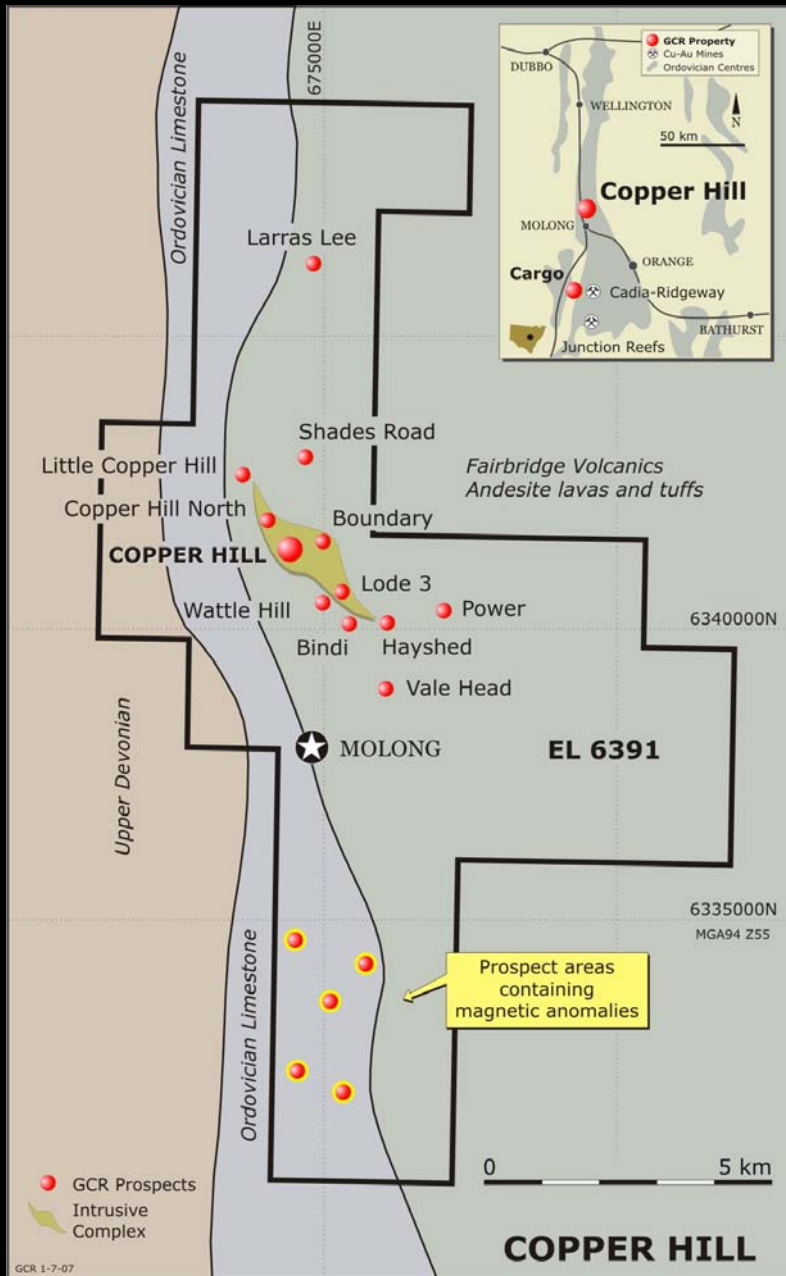


NSW EXPLORATION









Copper Hill

Copper Hill

Resource Estimates at a range of cut-off grades

Copper Cutoff (%)	Tonnes (Mt)	Copper (%)	Gold (g/t)	Contained Copper (Kt)	Contained Gold (M oz)
0.10	328	0.21	0.20	702	2.11
0.15	211	0.26	0.24	557	1.62
<i>0.20</i>	<i>133</i>	<i>0.31</i>	<i>0.28</i>	<i>421</i>	<i>1.20</i>
0.25	83	0.37	0.33	310	0.88
0.30	51	0.43	0.39	224	0.64

Copper Hill Project – Potential Production
Conventional Concentrate Approach
8 million tonnes per annum throughput
over a 12-year mine life
recoverable
240,000 tonnes of copper and
400,000 to 500,000 ounces of gold
assuming 85% Cu and 55% Au recovery



Mining & Metallurgy

- *Low strip ratio at 0.6 : 1*
- *Geotechnical review positive*
- *Short load-haul-dump to ROM pad*
- *Low BWi indicated = lower cost crushing & grinding*
- *Standard sulphide flotation circuit*
- *85-90% Cu recoveries indicated, Au ~ 55% recovery; may be 85% with CIL circuit/pyrite*
- *‘Clean’, high-quality Cu-Au concentrate*
- *Concentrate loaded on rail at mine gate*

Maximising Value

Primary components present in the deposit are:

- *Copper, gold, sulphur and iron*
- *Higher value products with minimal waste and greatly improved environmental outcomes*

Maximising Value

- *Roasting of Copper Hill sulphides (CuFeS_2 and FeS_2) would yield sulphur dioxide (SO_2) which can be converted to sulphuric acid (H_2SO_4) and a calcine from which the copper and gold would be leached to produce cathode copper (SX/EW) and bullion gold by CIL, thereby maximising recoveries.*
- *The crushed, leached calcine, now comprising mostly iron oxide (Fe_2O_3) could be granulated and sold as direct blast furnace feed.*

Copper Hill Project – Higher Recoveries

~ HYPOTHETICAL ~

Roaster – SX/EW Cu – CIL Au – Fe₂O₃

**8 million tonnes per annum throughput
over a 14-year mine life
to produce, in total, recoverable**

**300,000 tonnes of copper and
1,000,000 ounces of gold**

assuming 95% Cu and 95% Au recovery



Copper Hill Project – Additional Revenue

Recover

SO₂ for sulphuric acid production

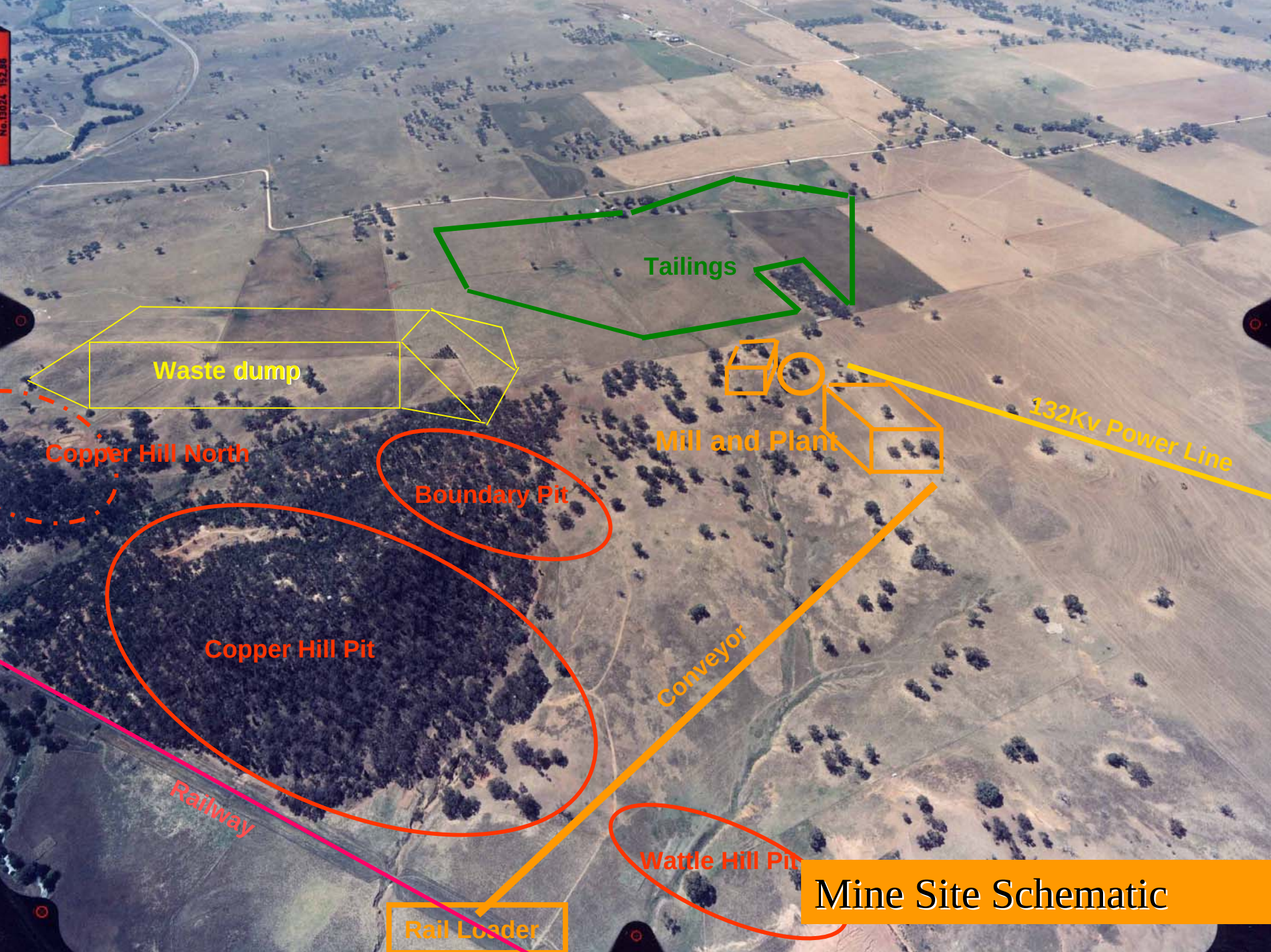
&

**After Cu and Au leaching, granulate the
Fe₂O₃ calcine for sale.**



Superphosphate

- *A conceptual processing study indicates that dicalcium superphosphate production at Copper Hill could be also be achieved using phosphate rock treated with the SO₂ generated by the roasting of sulphides.*



No.13024 152.38

Waste dump

Tailings

Copper Hill North

Mill and Plant

132Kv Power Line

Boundary Pit

Copper Hill Pit

Conveyor

Railway

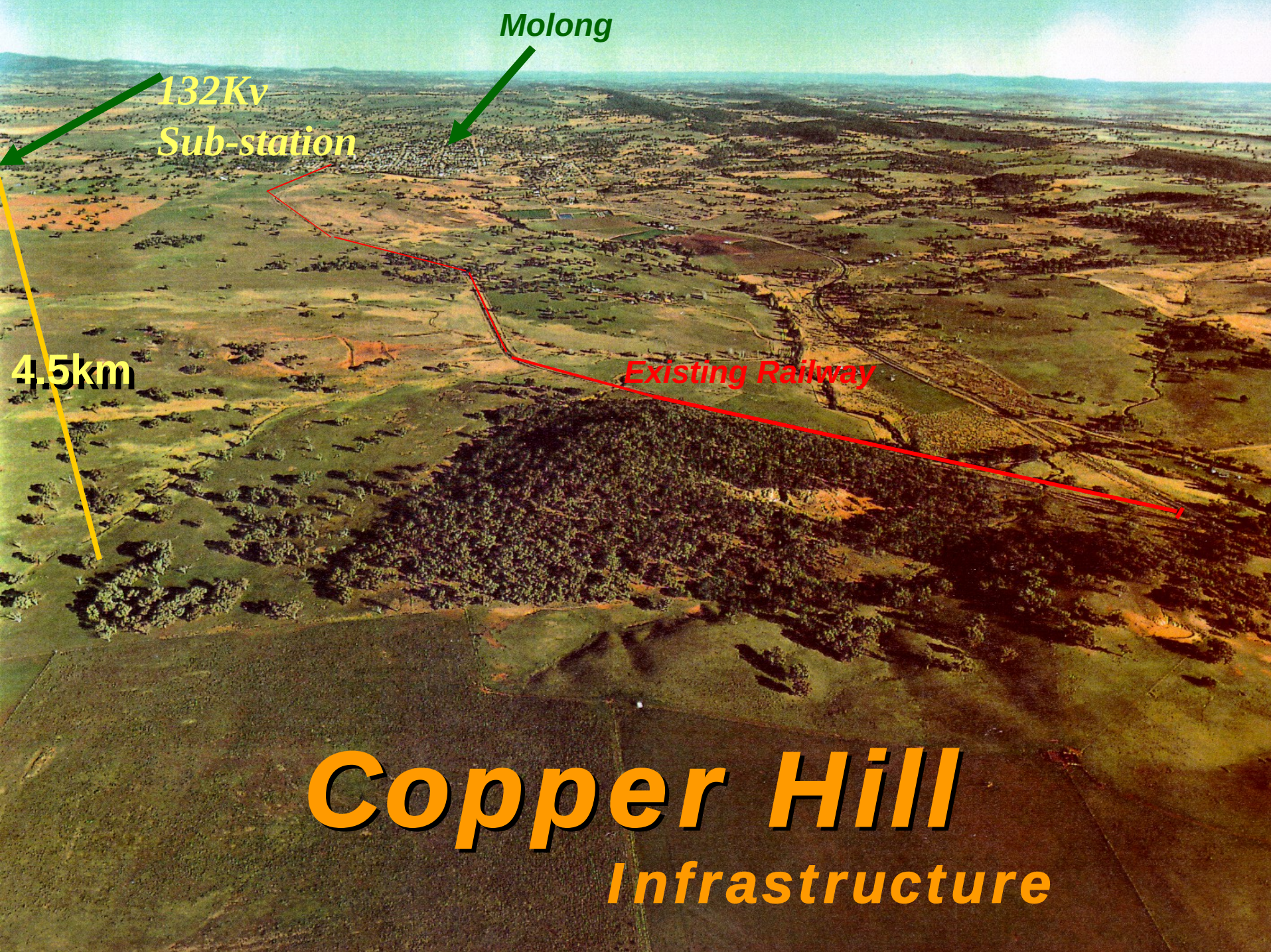
Wattle Hill Pit

Rail Loader

Mine Site Schematic

Infrastructure and Support

- *Railway spur line to the foot of Copper Hill*
- *4.5 km to 132Kv electrical sub-station*
- *Supply chains, fabrication, services*
- *35 km from Lake Burrendong*
- *Molong community support*
- *Cabonne Council support*
- *State Government support*



132Kv
Sub-station

Molong

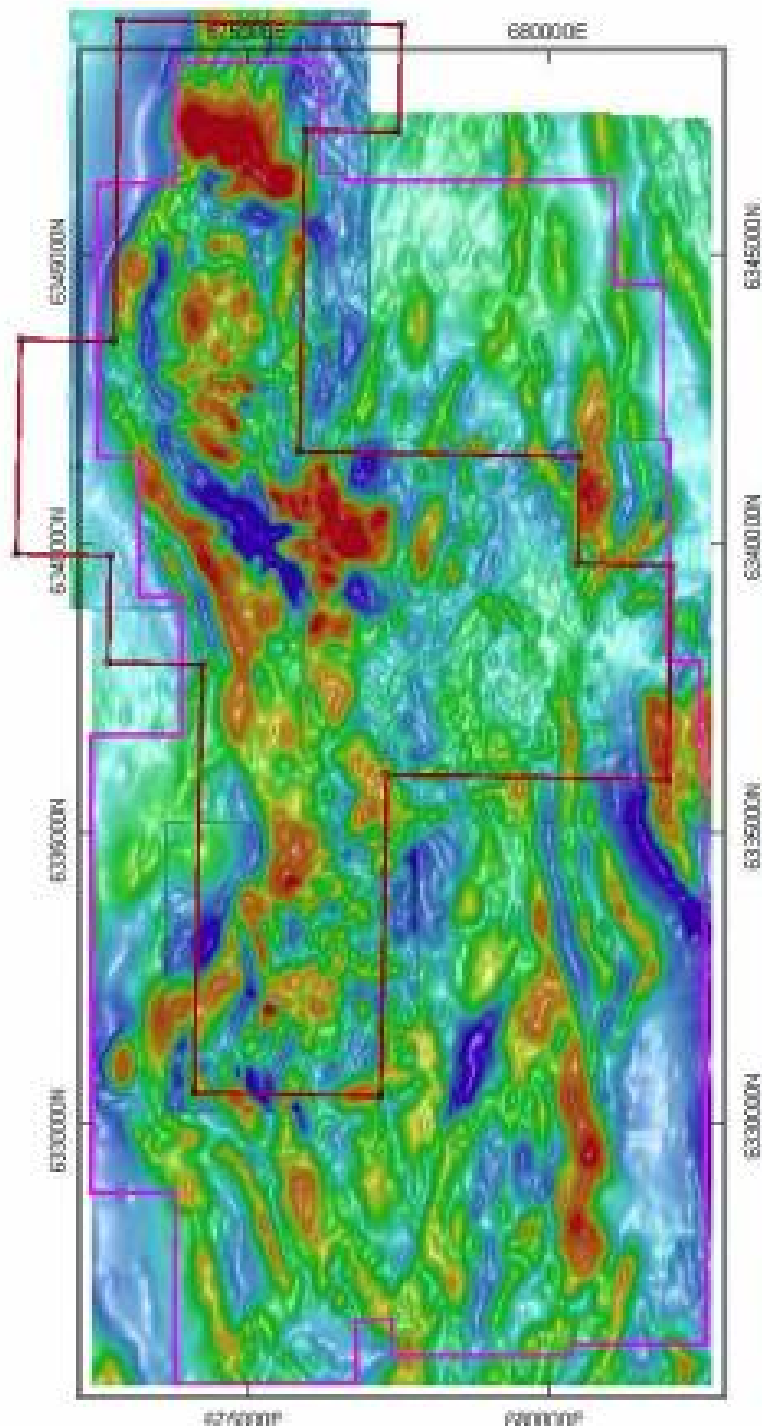
4.5km

Existing Railway

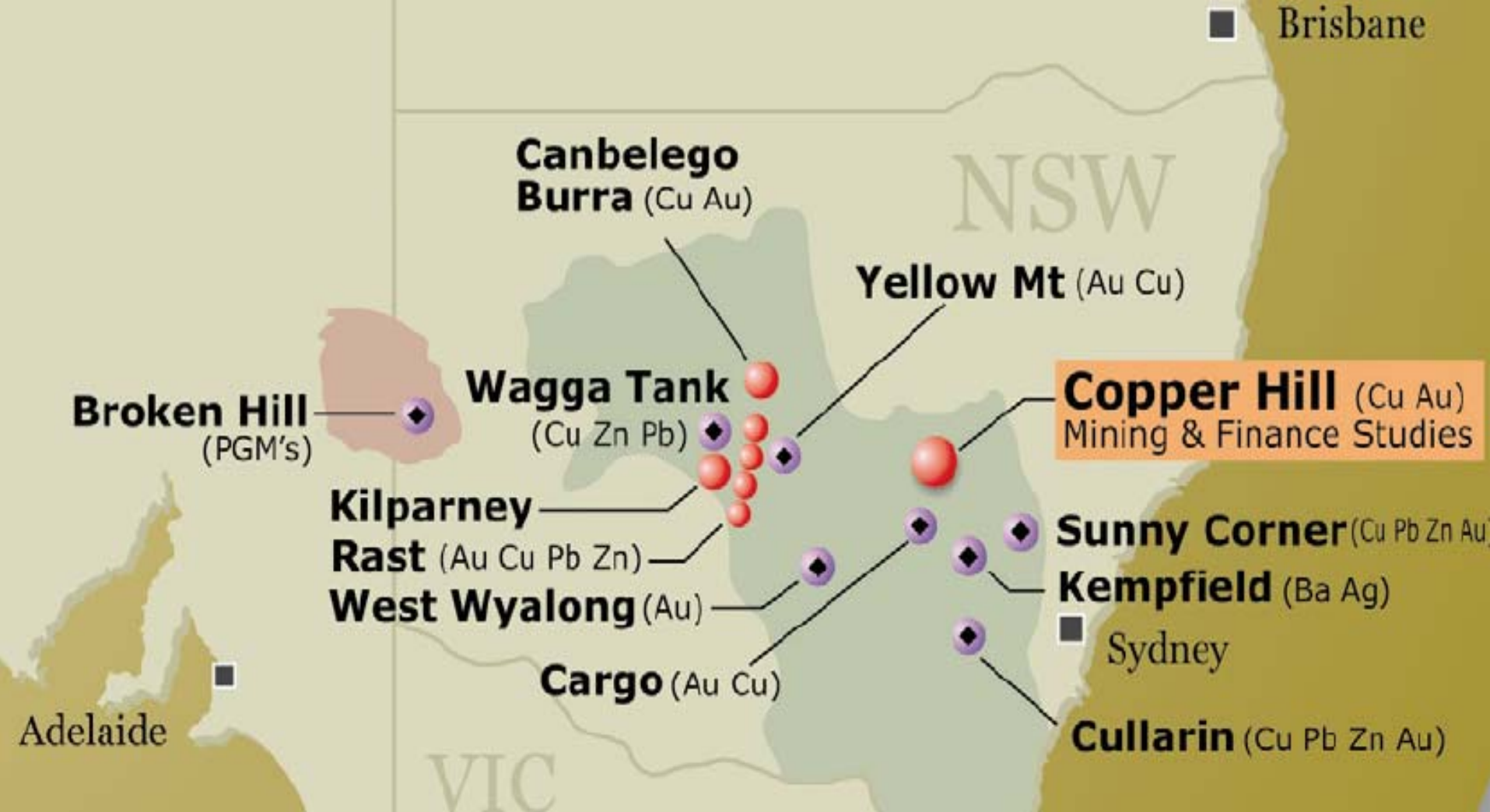
Copper Hill

Infrastructure





Copper Hill Aeromagnetics



-  **Golden Cross Properties** including
-  KER Acquisition
-  Phosphate Farm-out
-  Farmed out

GCR - Joint Ventures

Broken Hill – Vale (CVRD-Inco)

Cargo – Calibre Mining

Cullarin - Tri Origin

Wagga Tank – OZ Minerals

**Kempfield, Sunny Corner & West Wyalong –
Argent Minerals**

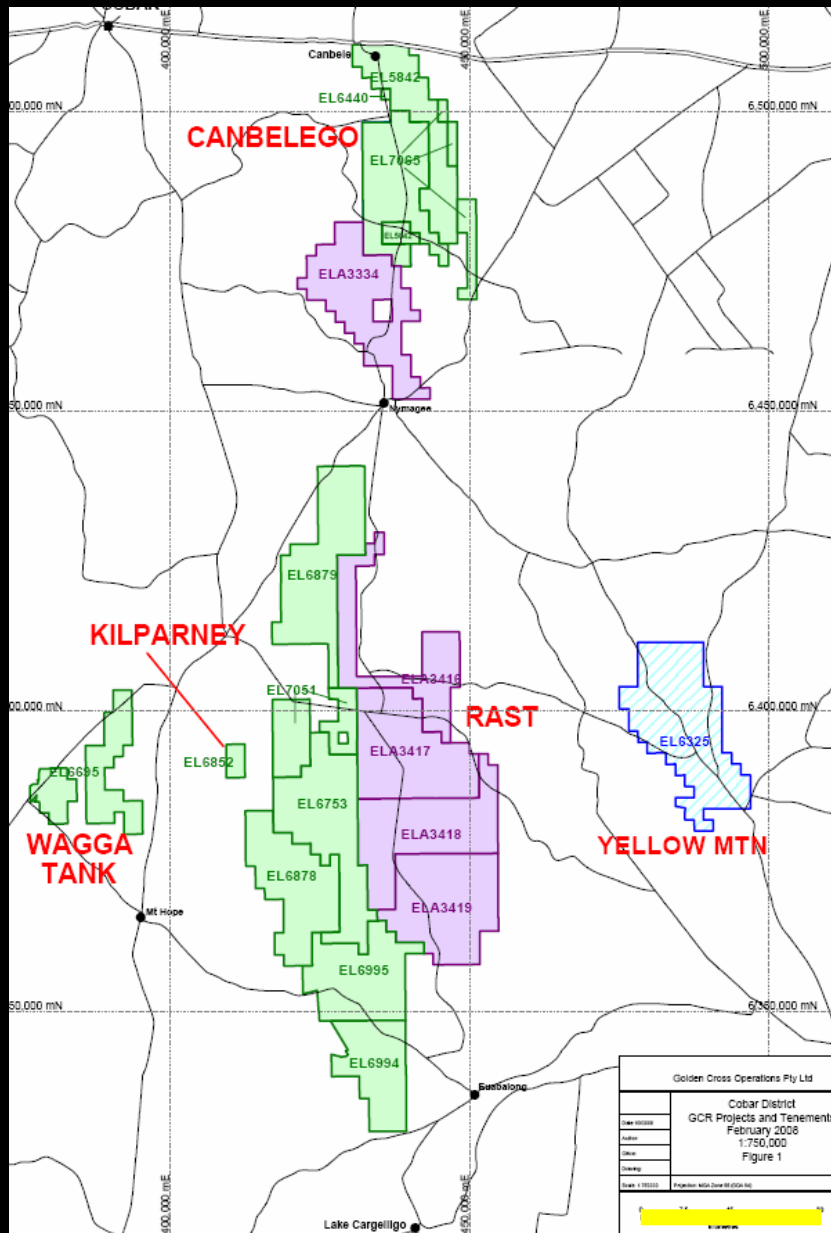
Mount Isa Phosphate – Legend International

Total for earn-ins = \$15.5 million

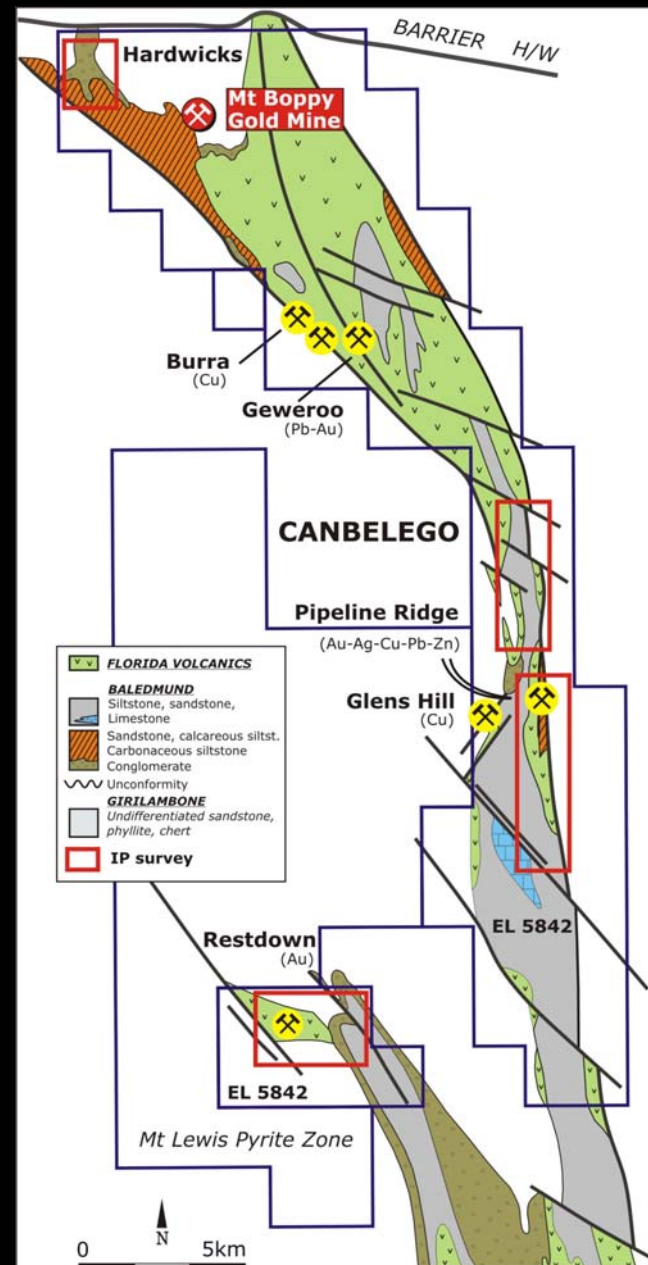
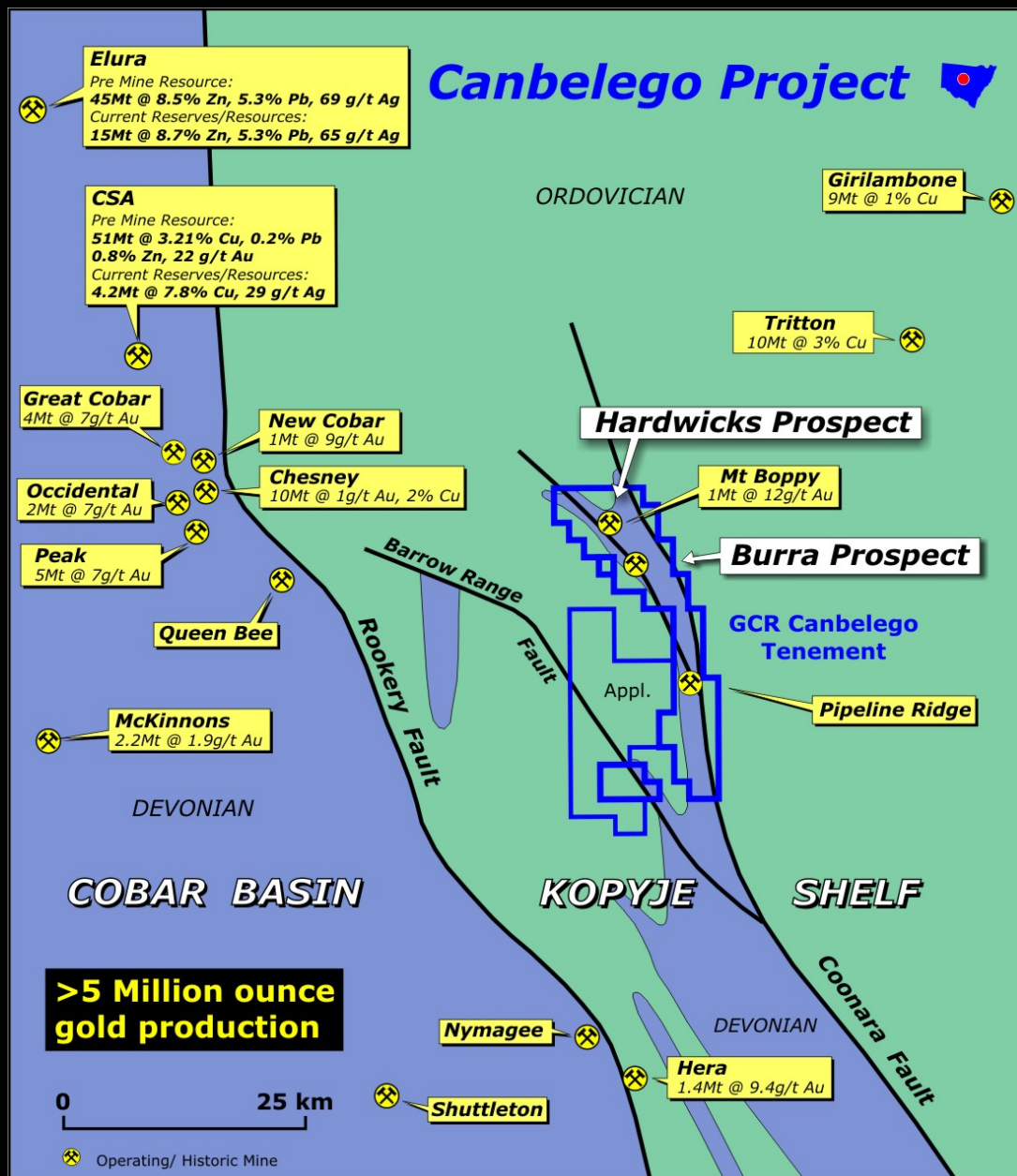


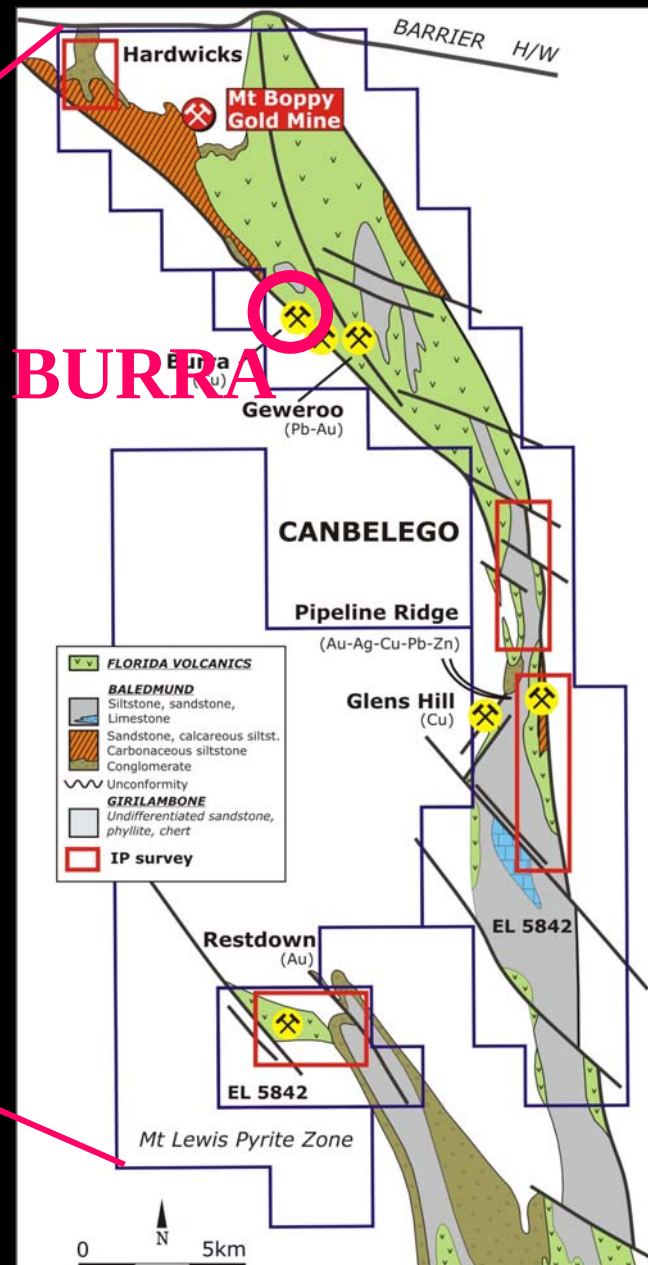
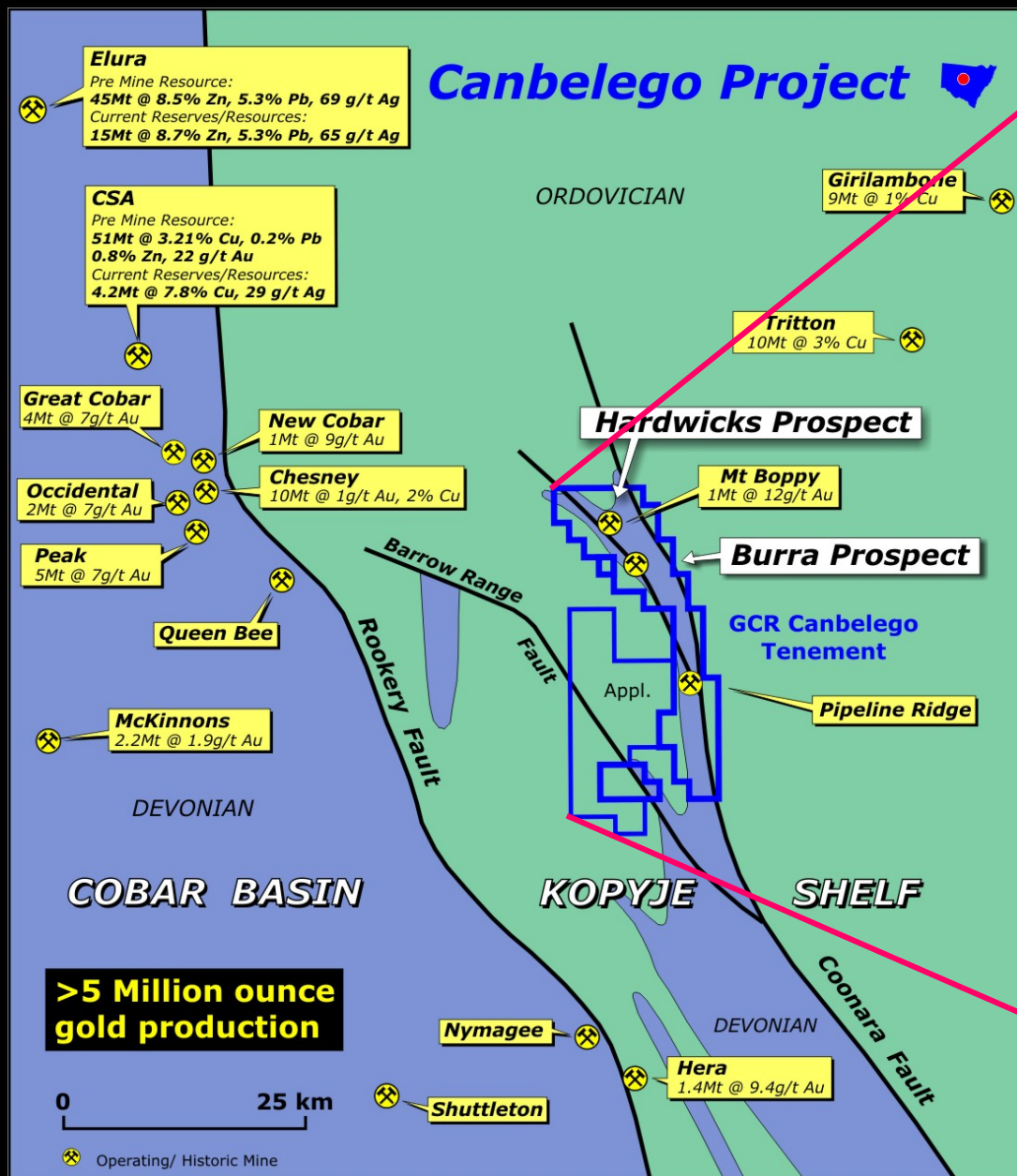
Gold, base metals and iron in the Cobar Basin

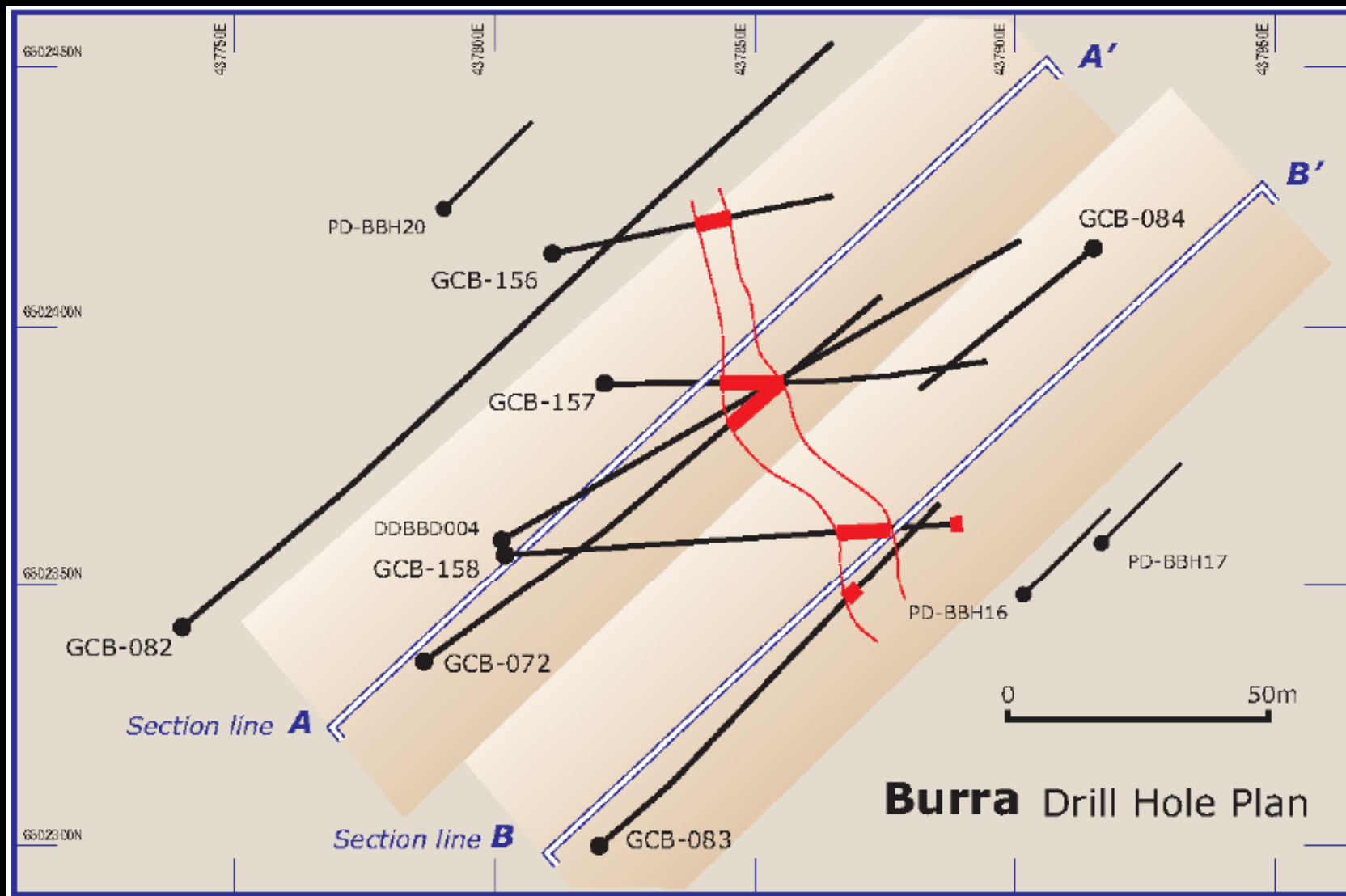
GCR's Cobar region tenements. Large areas of Ordovician and Silurian rocks prospective for gold - and base metals. Maghemite (Fe_2O_3) in channels throughout Rast Project



< 50km >







BURRA COPPER MINE

Significant sulphide mineralisation grading up to 13.7% copper.



A**A'**

GCB-072 GCB-158 GCB-157

DDBB004

GCB-156

11m @ 0.86% Cu, 0.72 g/t Au

1m @ 0.88% Cu, 0.03 g/t Au

8m @ 1.71% Cu, 0.04 g/t Au

2m @ 13.7% Cu, 0.38 g/t Au

2m @ 0.78% Cu, 0.01 g/t Au

11m @ 3.1% Cu, 0.11 g/t Au

Burra Section A-A'



Burra Copper Mine – Section 6502400N

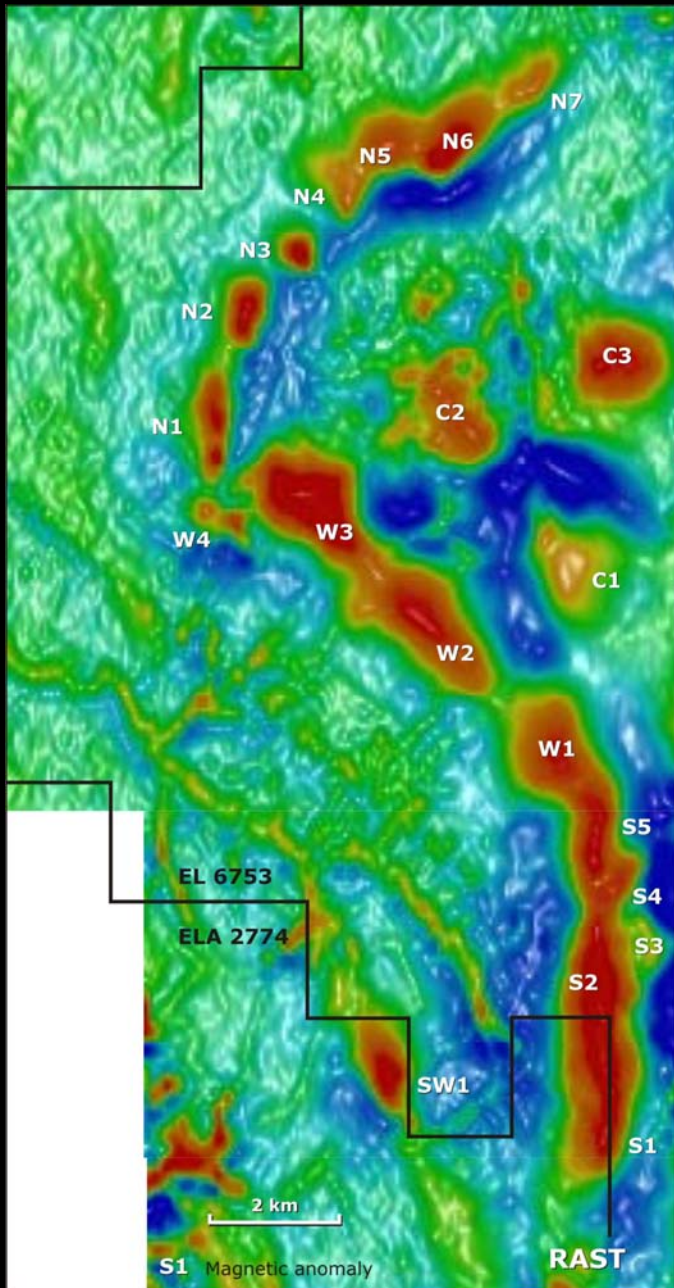
Rast Project Areas – Cobar Basin

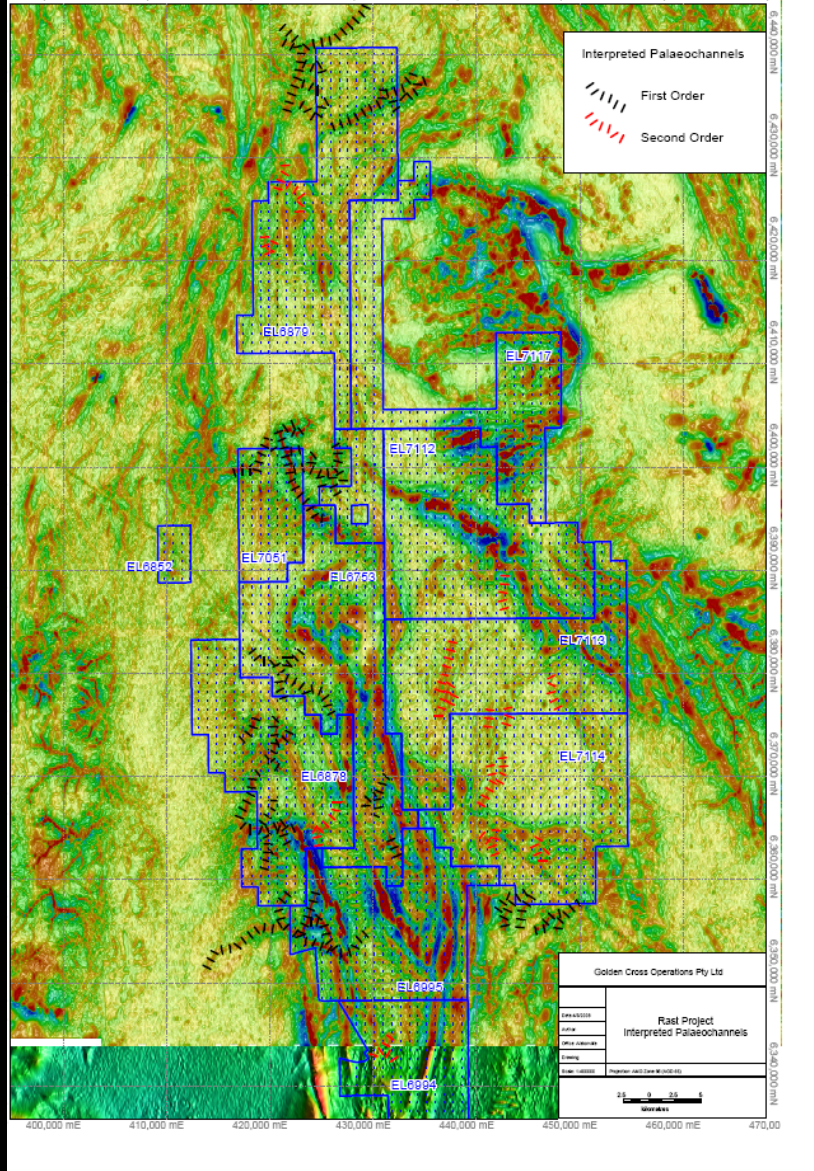
~Airborne Magnetic Anomalies~

An assessment of the airborne magnetic data over much of the Rast South tenement block has identified a total of 20 magnetic anomalies.

The sources of these anomalies are unknown, as most lie in areas of no outcrop and some are masked by transported overburden. Minimal exploration has been undertaken in this area in the past.

Potential also exists for non-magnetic Hera-style gold+base metal mineralisation located in favourable structural-stratigraphic positions. RC and diamond drilling completed. Trace chalcopyrite, galena and sphalerite of hydrothermal origin in core at C3 anomaly.





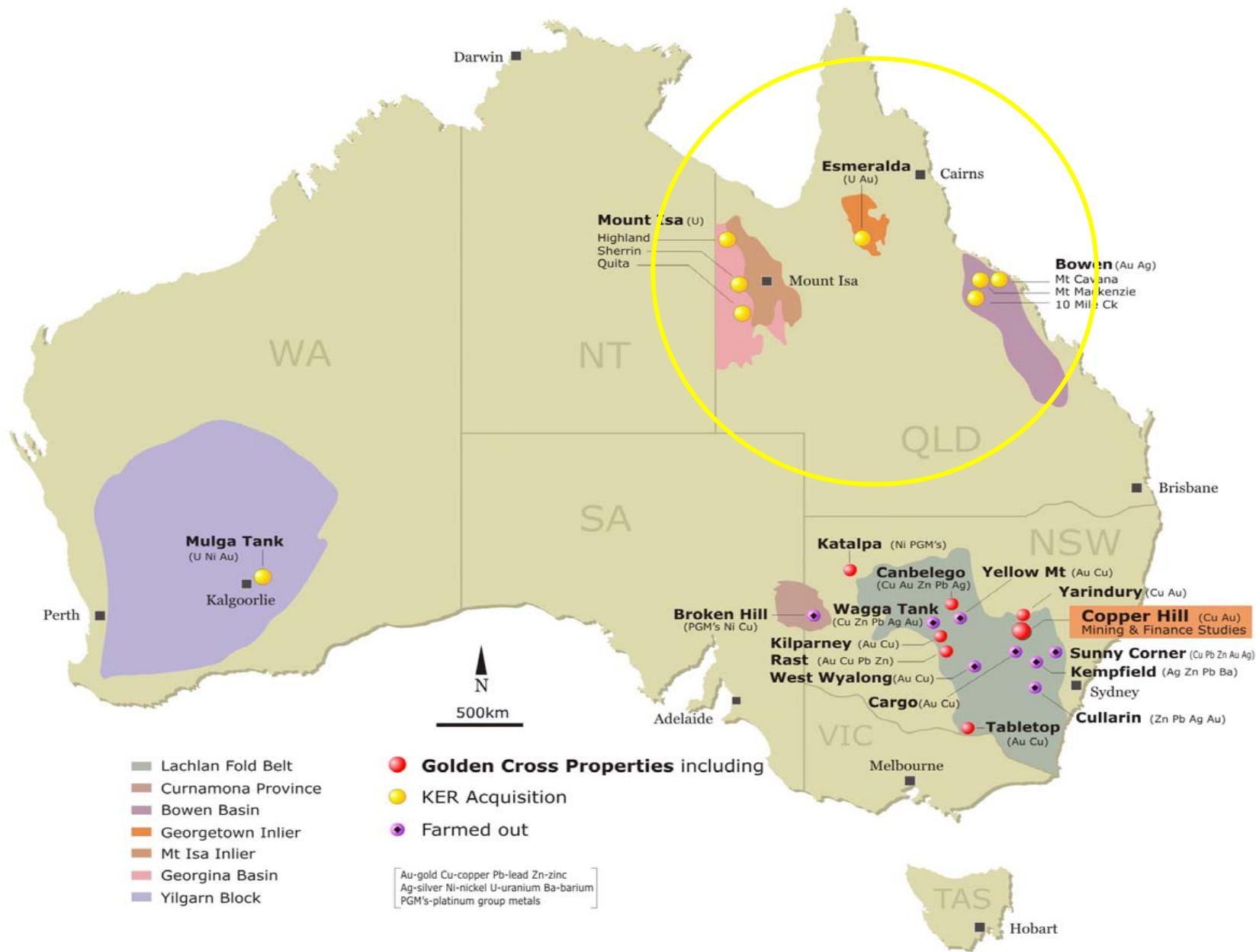
Rast Project Areas – Cobar Basin Fe_2O_3

~Airborne Magnetic Anomalies~

Recent new mining concepts have suggested that mining Maghemite (magnetic Fe_2O_3) from shallow palaeochannels may yield a high grade product suitable for steel mills.

Maghemite occurrences have long been known to exist in the Cobar Region and are now exploration targets in their own right.

Testing by shallow drilling, separation and analysis of the maghemite can be conducted at low cost.



-  GOLDEN CROSS RESOURCES
Uranium potential in phosphorites within granted EPM's
-  MAJOR URANIUM DEPOSIT

0 100 km

LILY CREEK

SHERRIN CREEK



STEAMBOAT

QUITA CREEK

MOUNT ISA

Mt Isa Inlier

VAHALLA

26,000t U3O8 resource

MARY KATHLEEN

12,000t U3O8 mined

MOUNT ISA

Mount Rimmer
Uranium-Phosphate

Southern Cross
Phosphate Mine

GCR 1-7-07

Mount Isa

? million tonnes
@ ? P₂O₅.

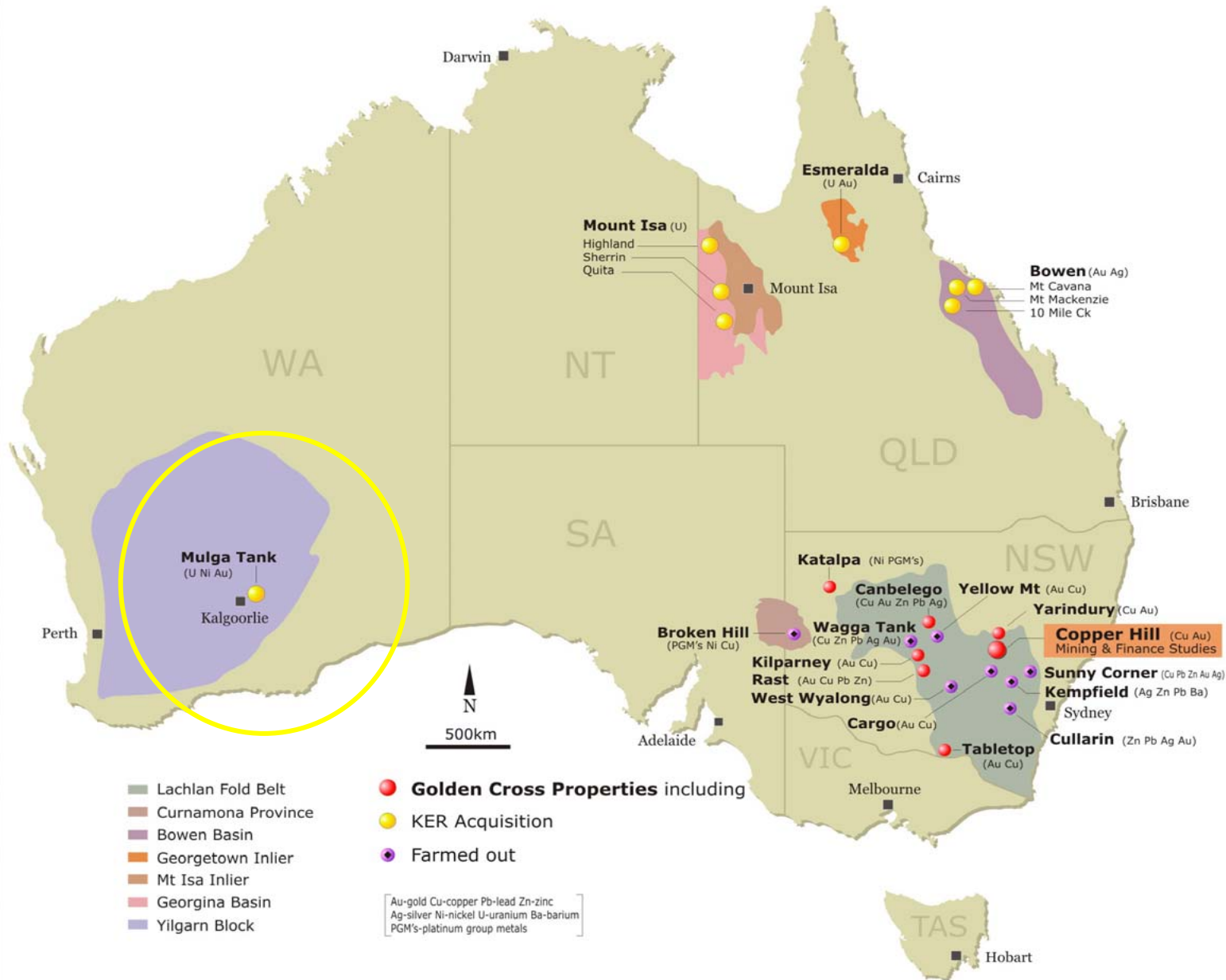
**GCR
contributes
one third of
Legend's
P₂O₅**

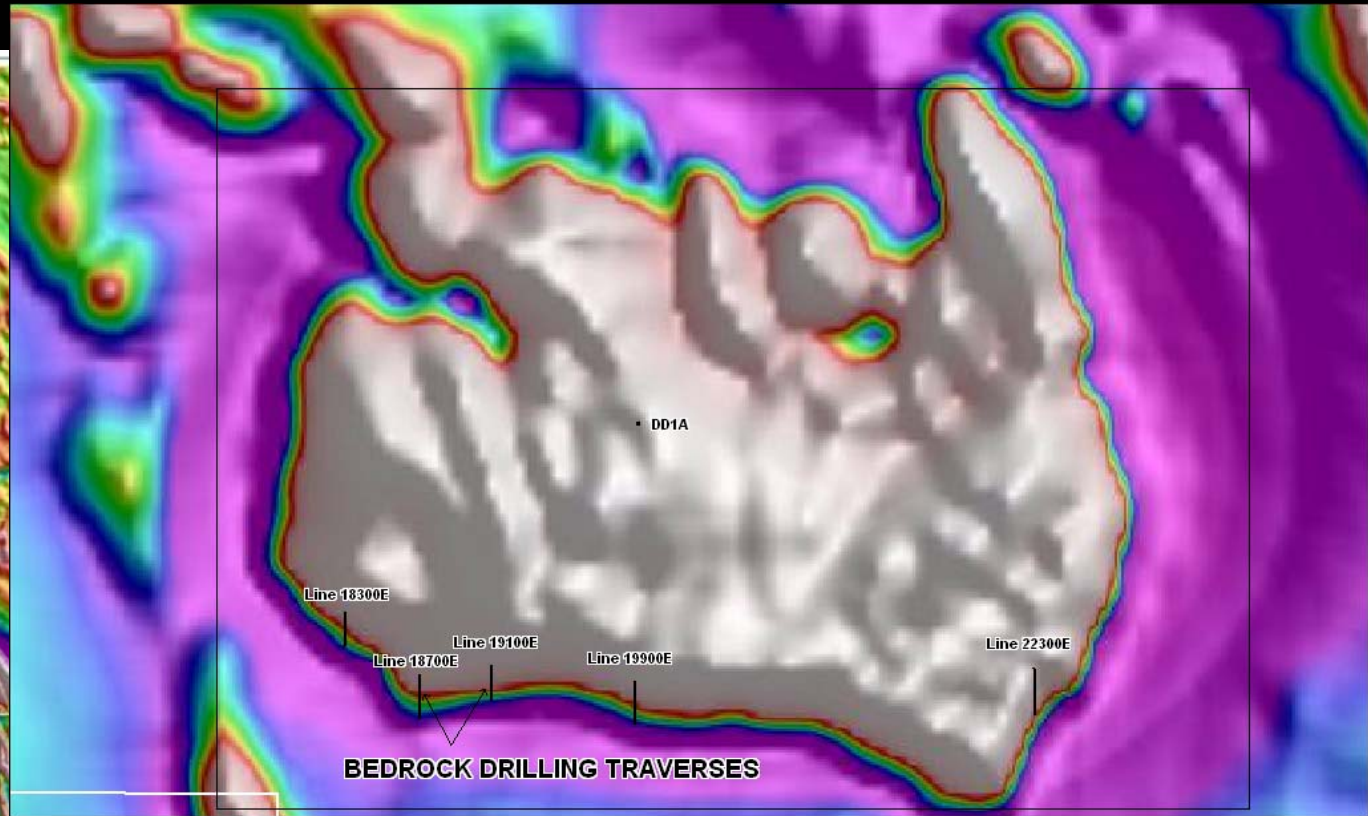
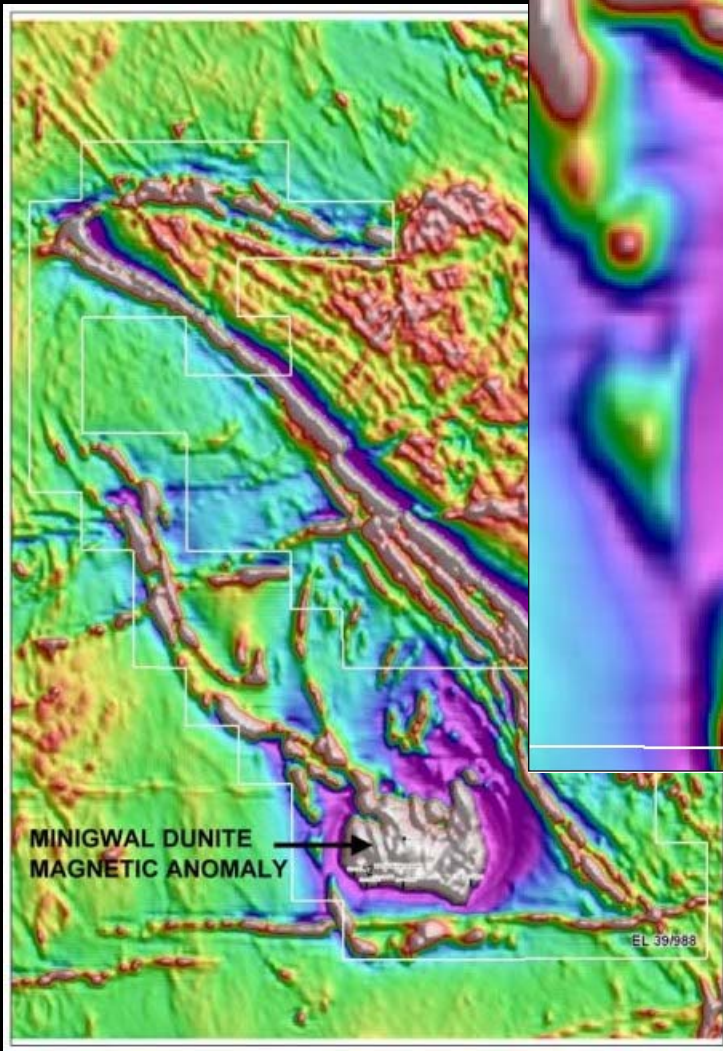
to our JV

GCR will retain 20%, free-carried to decision to mine, if Legend International earns its 80%. GCR retains 100% of all other minerals

~including uranium and IOCG style targets~

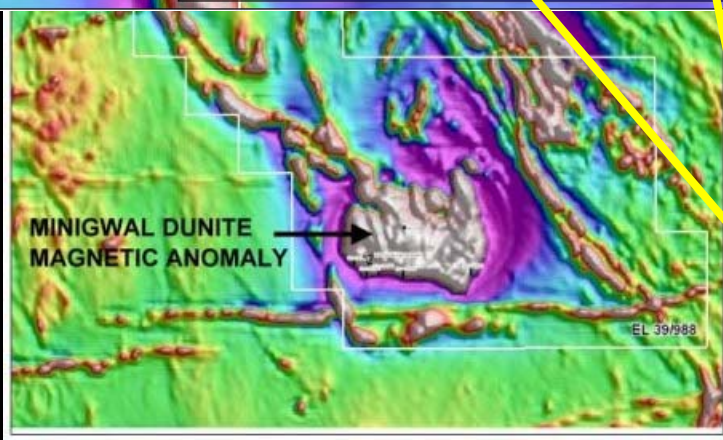
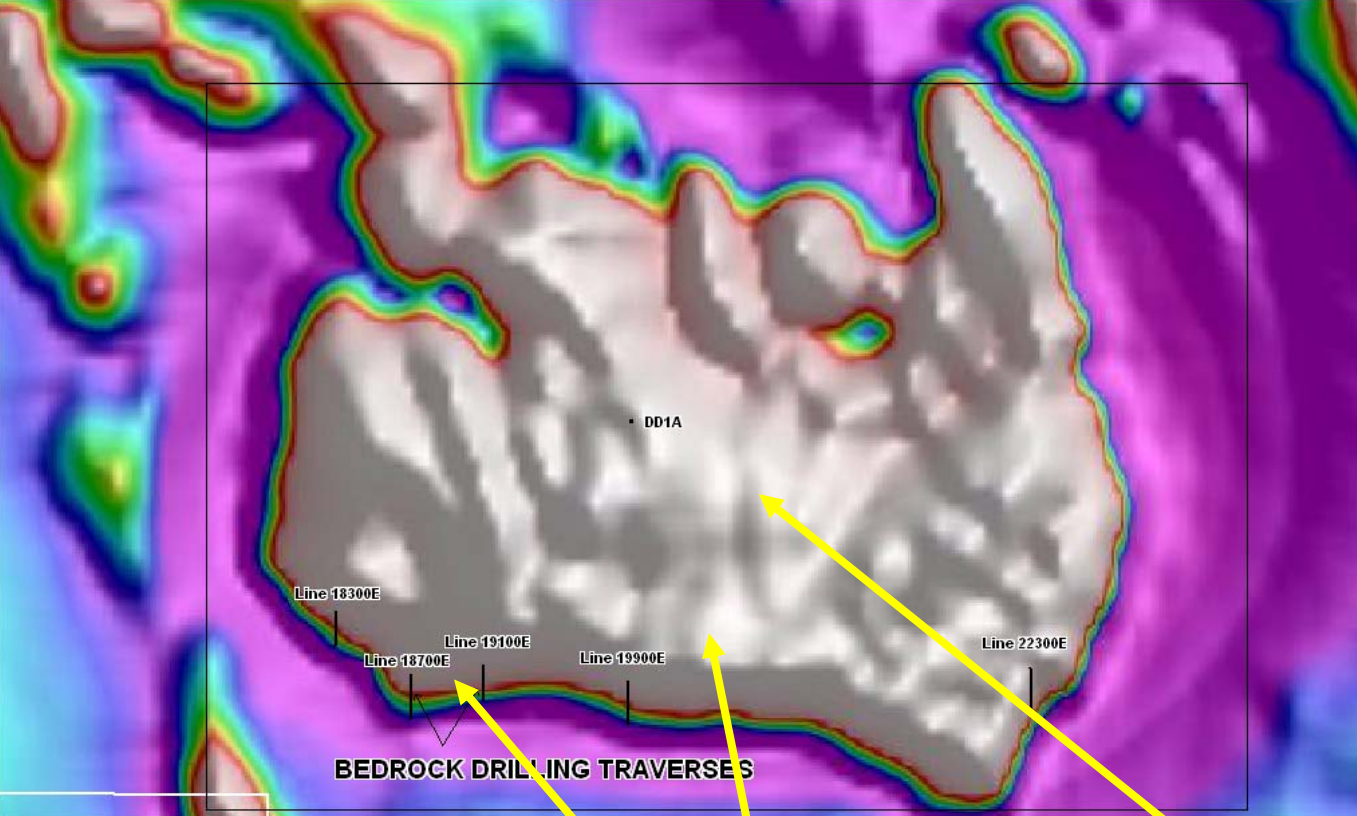
GCR





Mulga Tank Magnetics

The 4 km x 3 km Minigwal Dunite, (olivene-rich peridotite) stands out clearly.

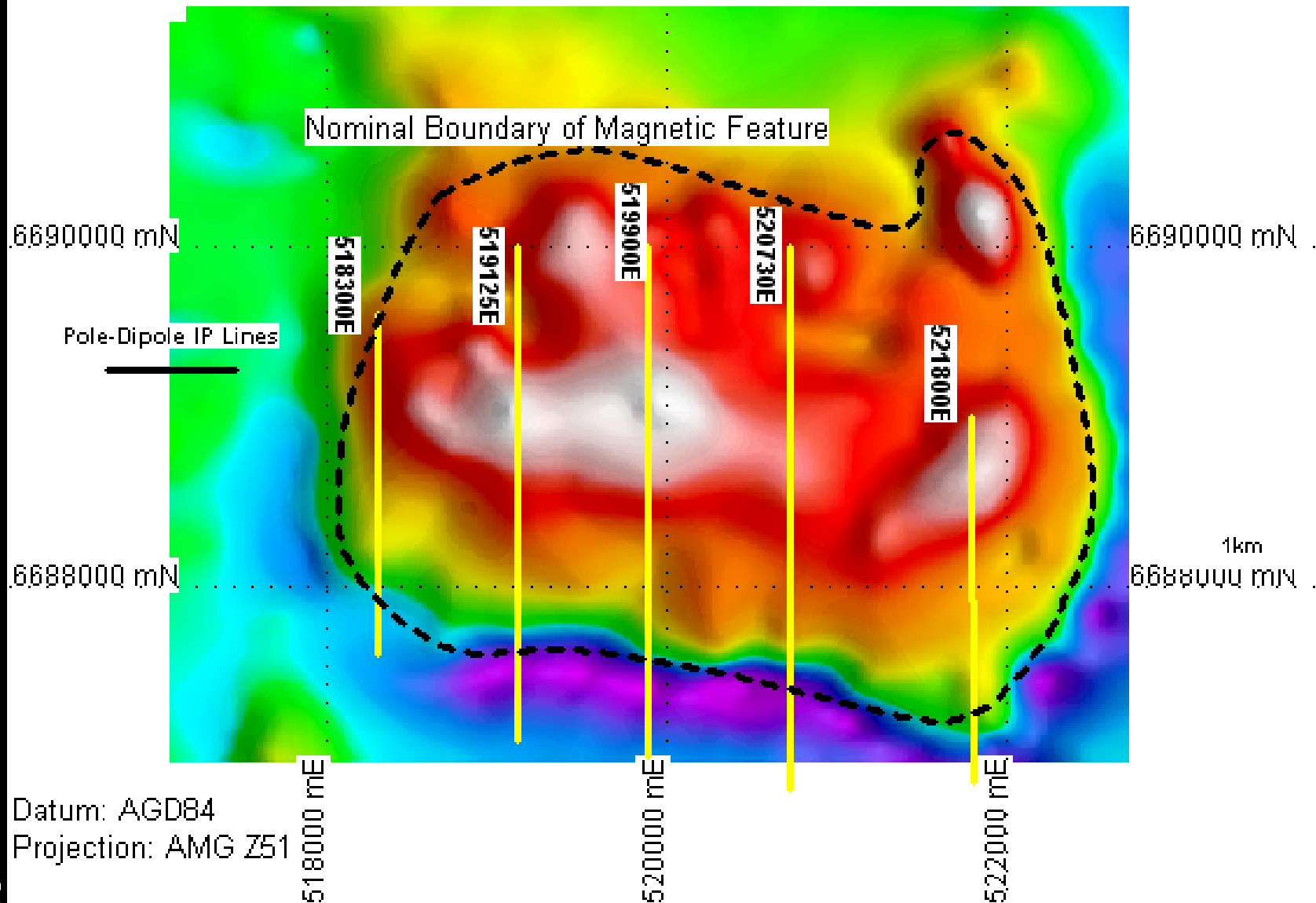


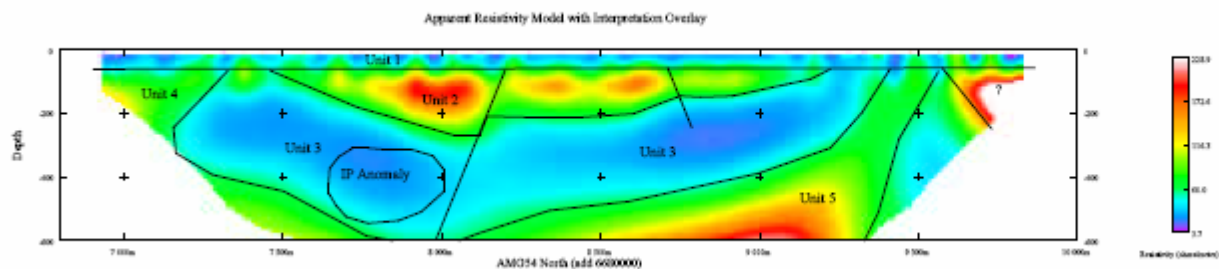
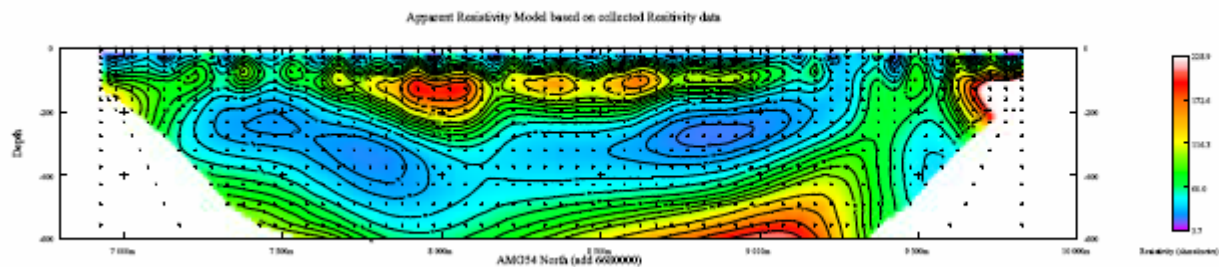
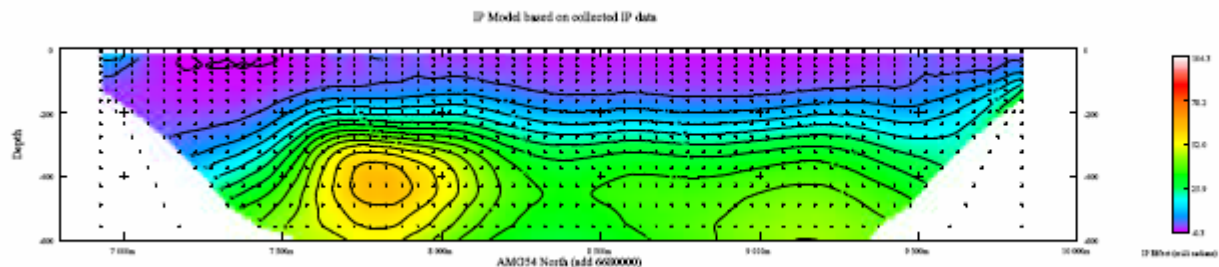
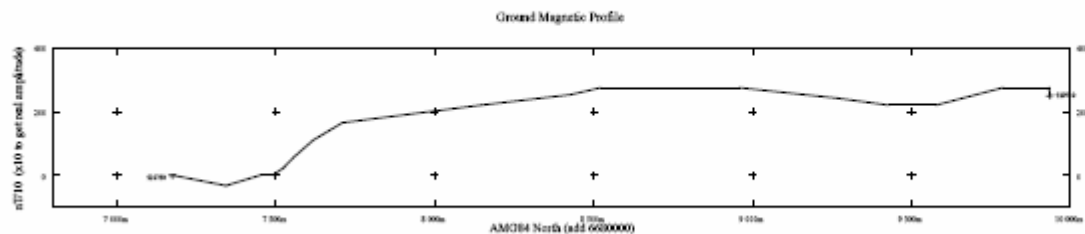
Hole MTD001 averaged 0.20% nickel across the entire 270m of serpentinised dunite from 67.3m

MTD002 returned 0.19% nickel over 212m (from 60m).

Shallow RAB samples assayed up to 2% nickel.

Location of Pole-Dipole IP Survey Lines (background of ground magnetics)





Forecasting Applications

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Michael Haganway, *U*
Pengyue Li, *U of W*
Elizabeth Spring, *U of W*
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David W. Miller, *U of W*
Gordon, George, *U of W*

Event Processing

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Big Mining, Social, and Mining Applications

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King Eagle Resources Mixing Tank Project IF Survey Feb 2005 Pulse Signature ERTs sensitivity Survey Oriented Magnetic Data with Horizontal 2D ERTs sensitivity Response Line 5207502	
Author : Peter Smith	Ref:
Drawn : Graham Gribble	
Date : 6-Apr-2003	Revised By:
Scale 1 : 10,000	Plan No. : None

A wireframe globe showing the continents of North and South America. A red square is positioned over the Isthmus of Panama, highlighting the location of Panama. The globe is set against a dark background.

Gold in Panama

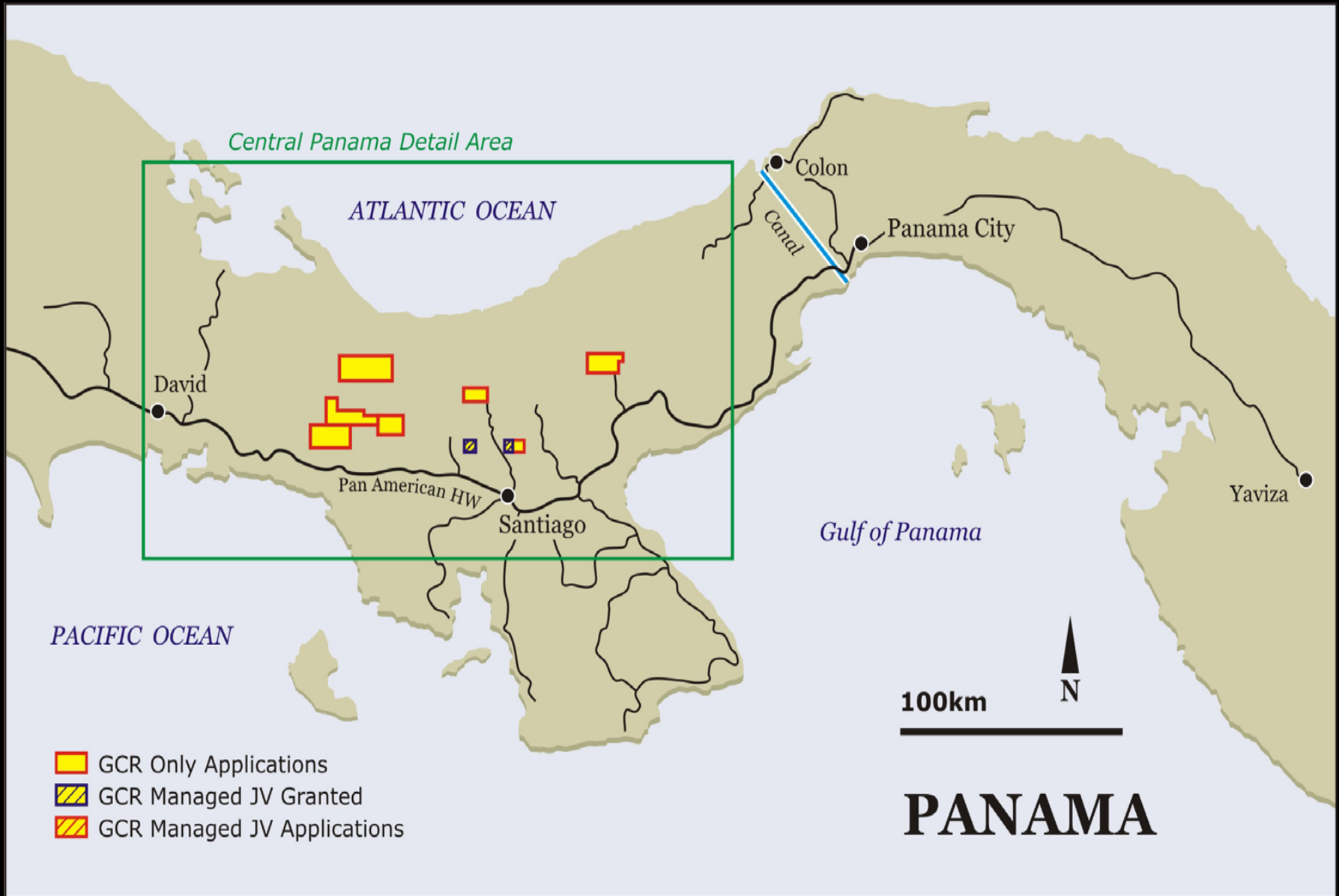


Panama - a democratic republic with close ties to the United States. \$US currency.

It has an open-market economy and a strong banking sector.



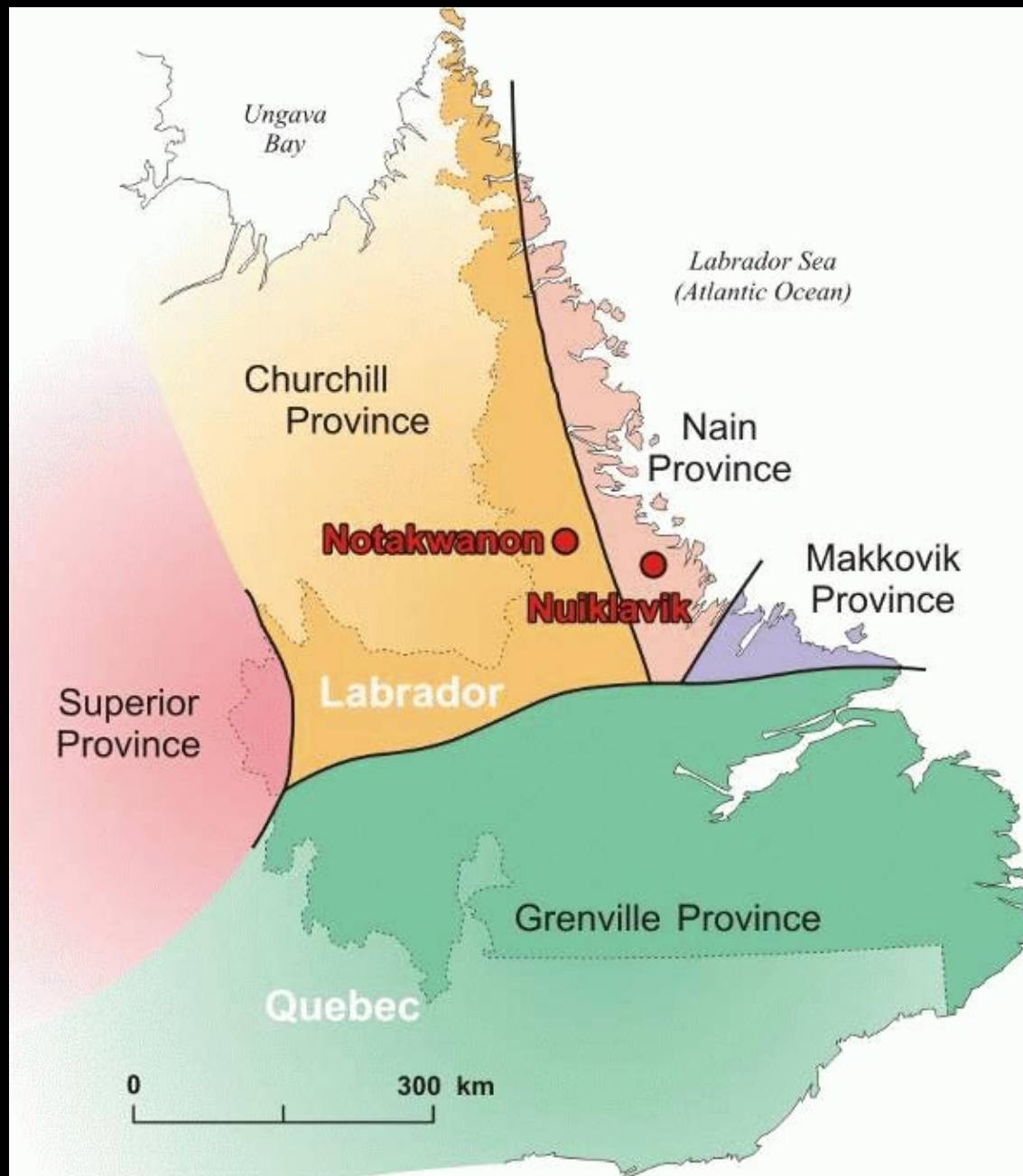
**The economy is vibrant.
Panama's currency is the US dollar, with
no exchange restrictions.
Company income tax rate is 30%, and a
2% net smelter return government
royalty is payable on mine production.**





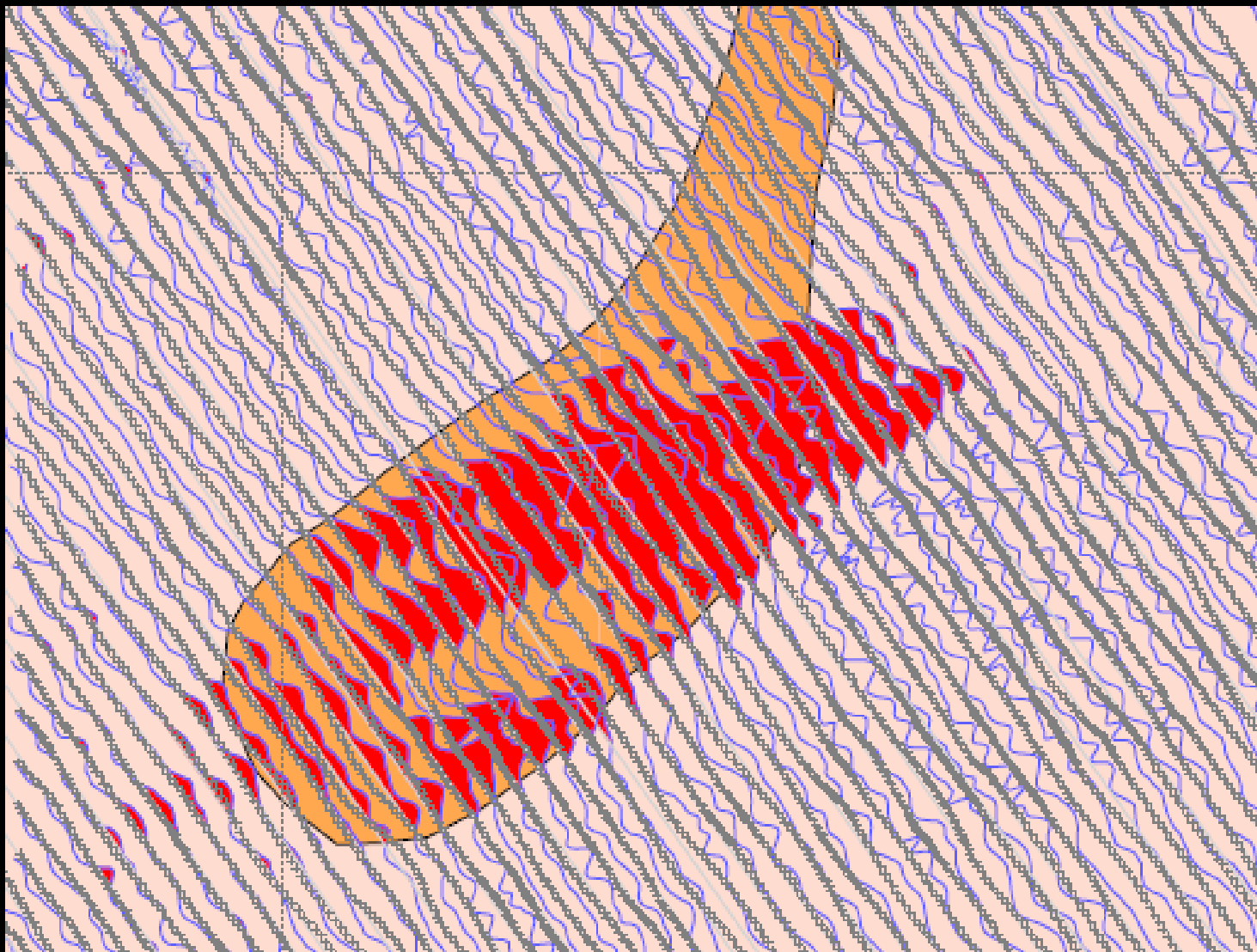


Labrador Uranium - Canada



U showings

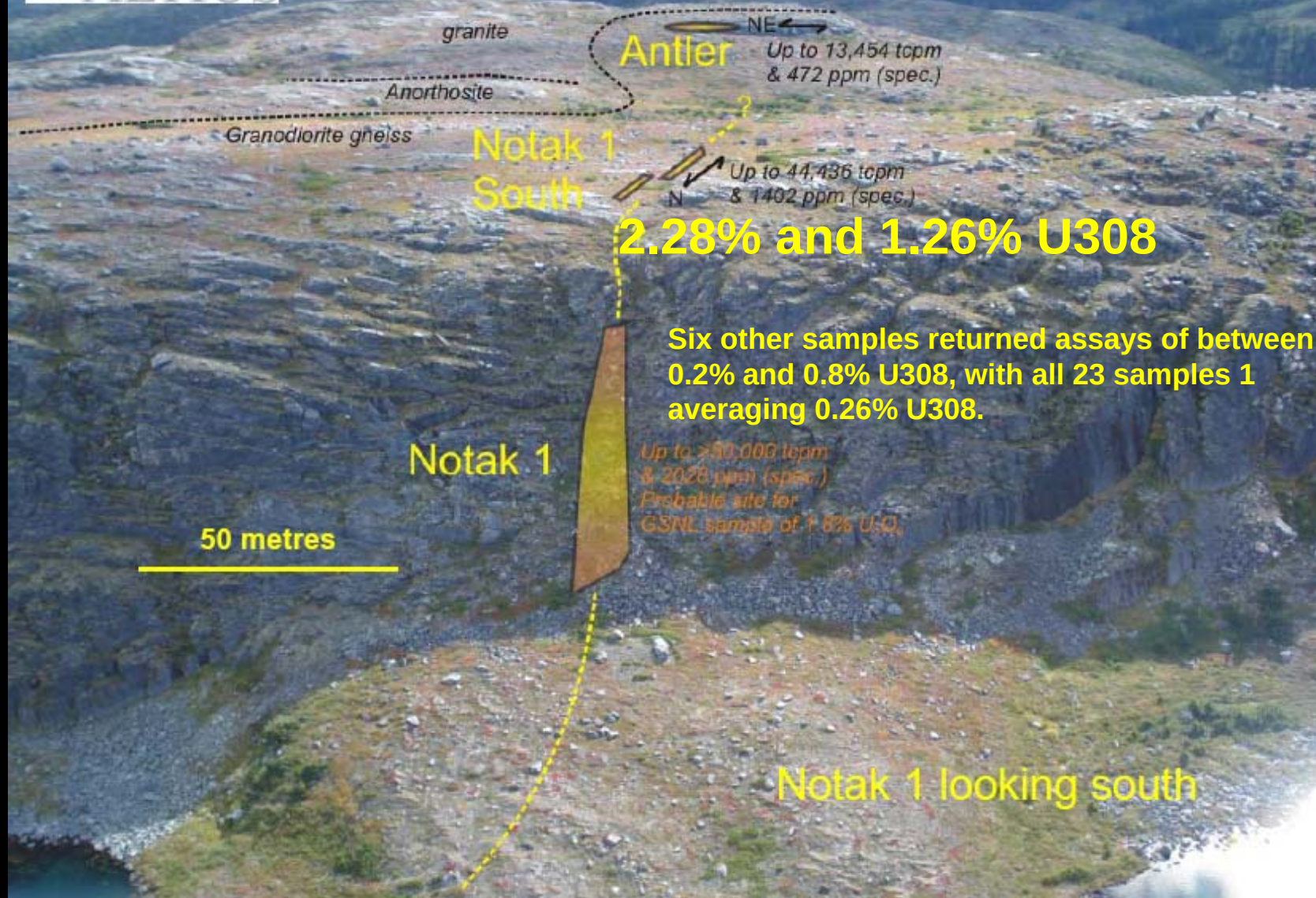




Notakwanon Uranium Channel Stacked Profiles

Notak 1 Anomaly

NOTAKWANON - URANIUM



GOLDEN CROSS RESOURCES

Golden Cross is an active gold, phosphate, uranium and base metals explorer



- **With \$2 million in cash**
- **3,000 shareholders**
- **633 million shares issued**

Remember:

- **Copper Hill - added value**
 - **Burra Copper +6%**
 - **Isa Phosphates**
 - **Nickel @ Mulga Tank**
- **Canada Uranium & Panama
Copper - Gold**

<http://www.goldencross.com.au>

