

# **Golden Cross Resources**

## **Annual General Meeting**

### **17<sup>th</sup> October 2007**

**ASX:GCR**

**Kim Stanton-Cook**  
Managing Director



# GOLDEN CROSS RESOURCES

Golden Cross is a gold, uranium and base metals explorer with drilling about to commence.



**Lachlan Fold Belt,  
Curnamona Province  
and Thomson Orogen  
of New South Wales**

# GOLDEN CROSS RESOURCES

Golden Cross is a gold, uranium and base metals explorer expanding its range.

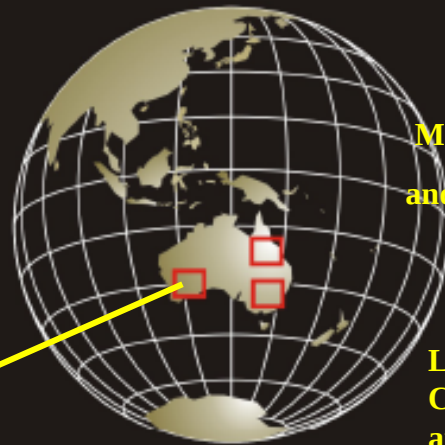


**Mount Isa, Georgetown  
and Bowen regions of  
Queensland**

**Lachlan Fold Belt,  
Curnamona Province  
and Thomson Orogen  
of New South Wales**

# GOLDEN CROSS RESOURCES

Golden Cross is a gold, uranium and base metals explorer now with a nickel project in the Yilgarn .



Mount Isa, Georgetown  
and Bowen regions of Queensland

Lachlan Fold Belt,  
Curnamona Province  
and Thomson Orogen  
of New South Wales

and the Yilgarn Block  
of Western Australia.

# GOLDEN CROSS RESOURCES

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



**2,875 shareholders**

**540.5 million shares issued**

**\$23.5 million market capitalisation**

# GOLDEN CROSS RESOURCES

Golden Cross also has new exploration interests:

## **Gold in Panama**

**Drilling to start soon,  
IP underway**



# GOLDEN CROSS RESOURCES

Golden Cross also has new exploration interests:



&



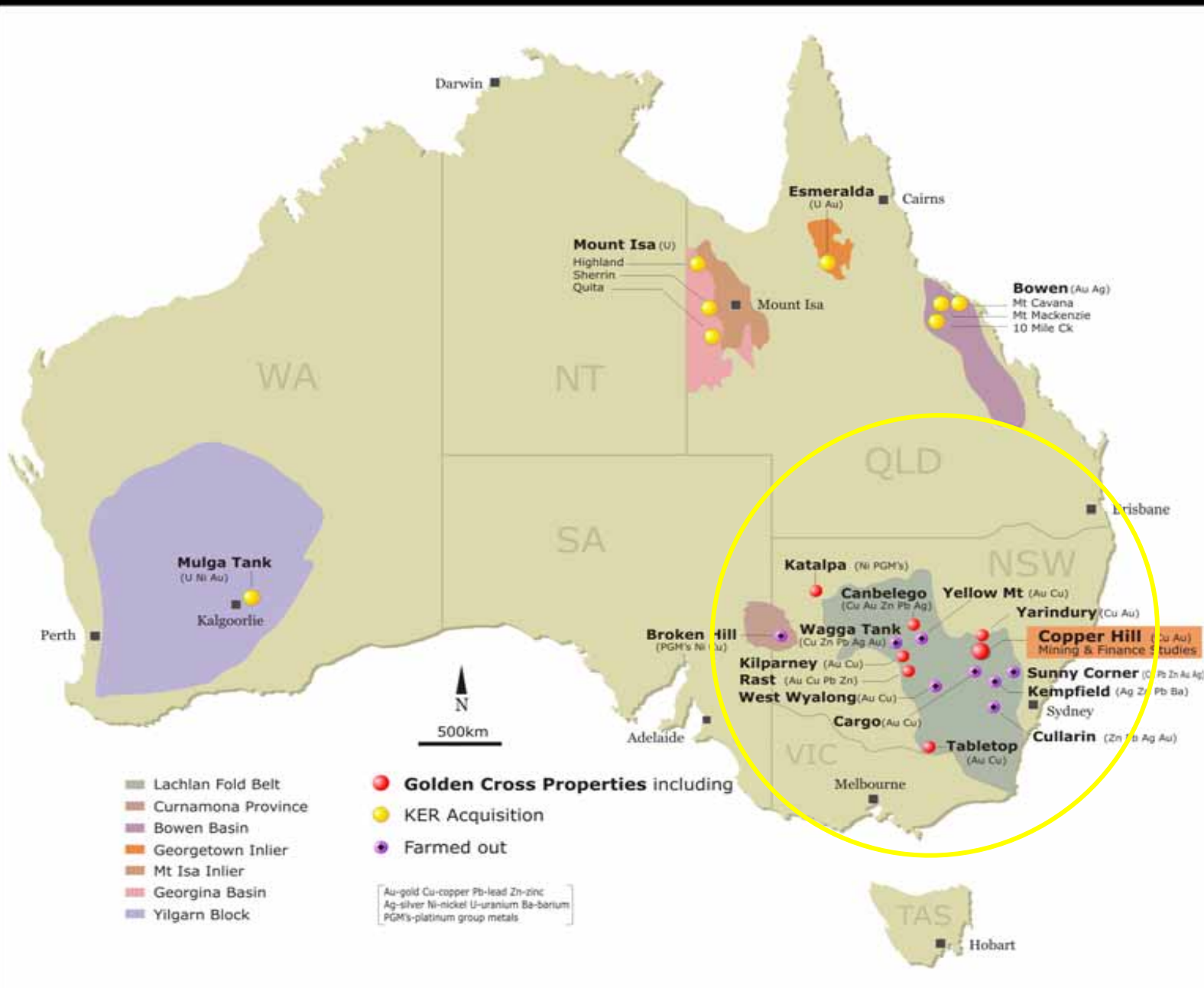
**Uranium in Labrador, Canada.**

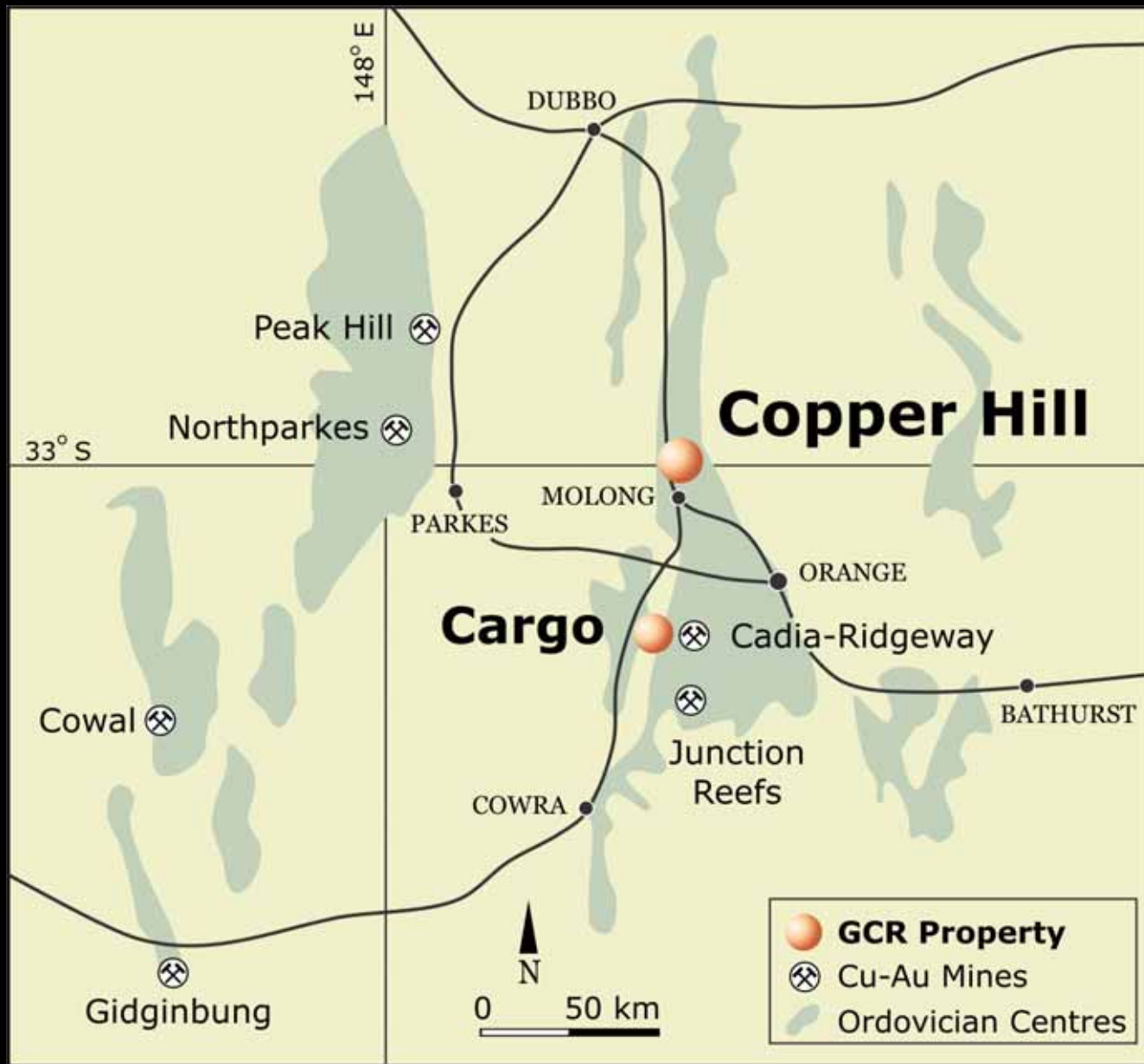
Airborne radiometrics & magnetics flown. Data being processed by McPhar Geophysics

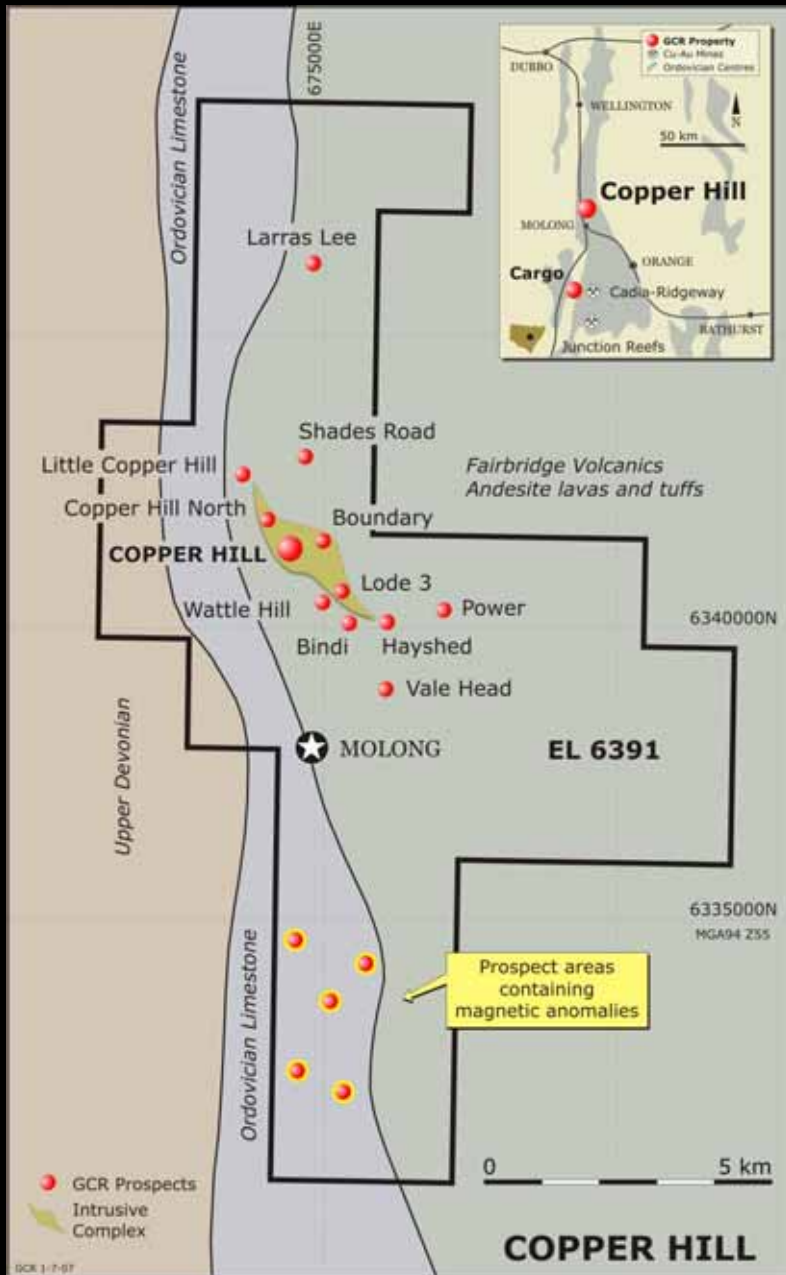


# AUSTRALIAN EXPLORATION









# Copper Hill

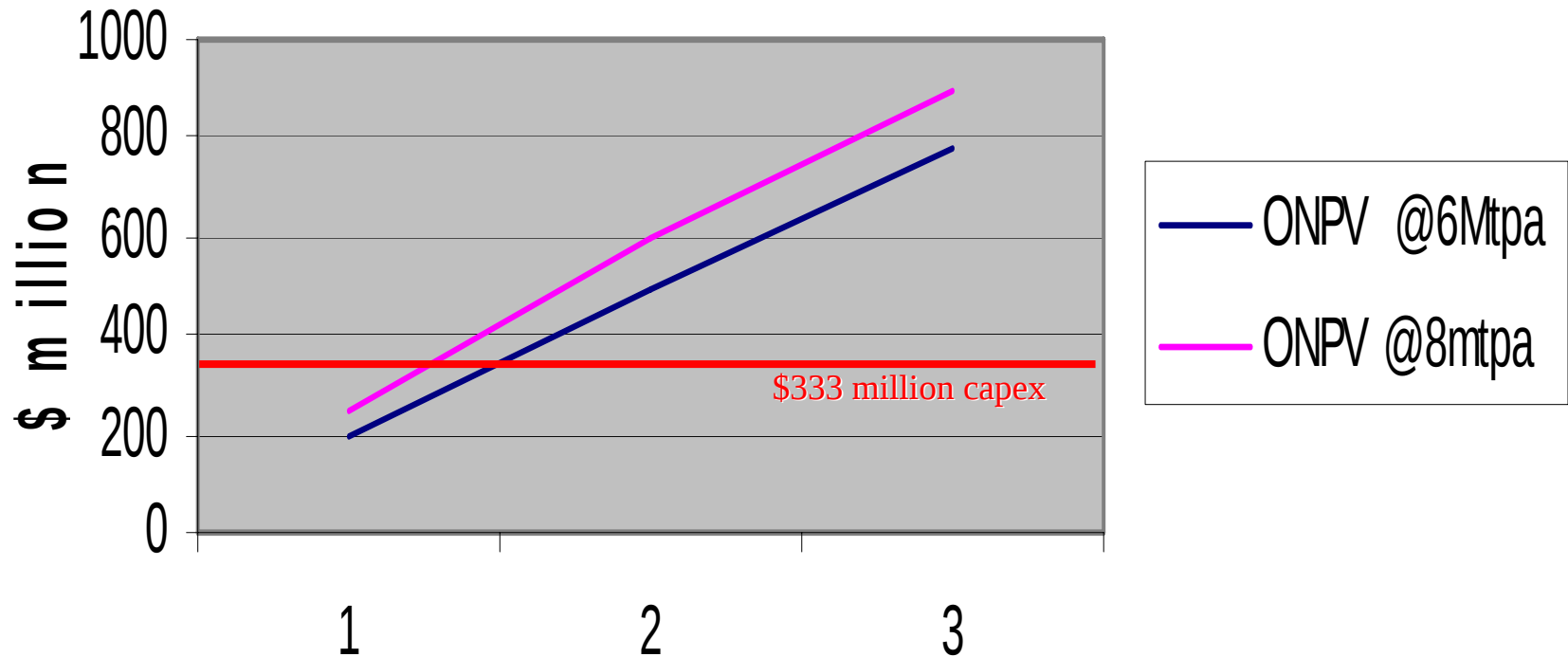
## Resource Estimates at a range of cut-off grades

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

- Copper Hill Project – Conceptual Pit Optimisation Studies**

|                                  | <b>Case 1</b> | <b>Case 2</b>   | <b>Case 3</b> |
|----------------------------------|---------------|-----------------|---------------|
| • US\$/oz Au                     | 500.00        | <b>600.00</b>   | 700.00        |
| • US\$/lb Cu                     | 1.80          | <b>2.65</b>     | 3.50          |
| • Operating<br>NPV 8 Mtpa        | A\$250 m      | <b>A\$600 m</b> | A\$900 m      |
| <b>No plant capital included</b> |               |                 |               |
| <b>Mill Feed, million tonnes</b> |               |                 |               |
| <b>@ 8 Mtpa</b>                  | <b>44</b>     | <b>94</b>       | <b>118</b>    |

## Copper Hill OPNV's

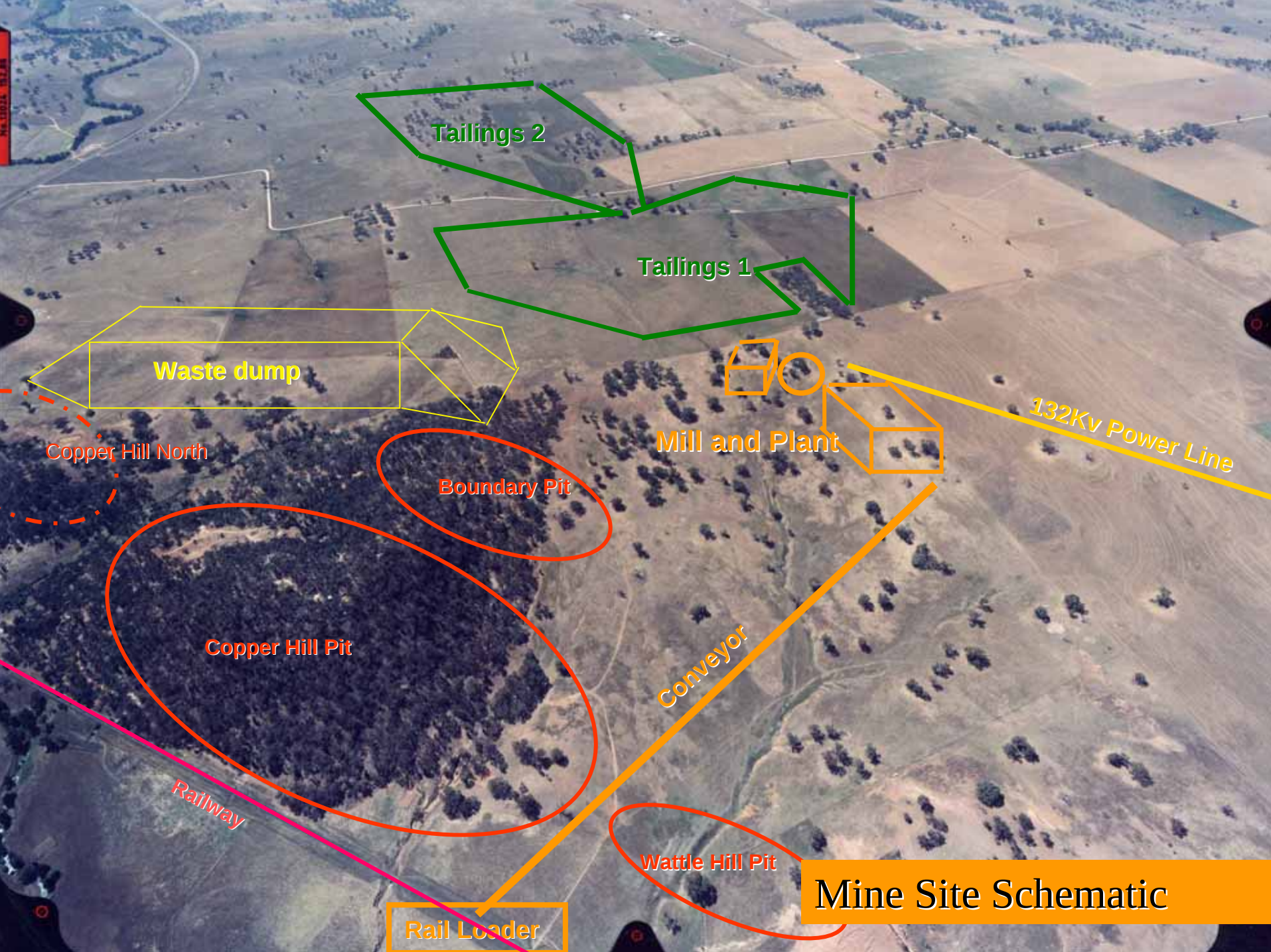


**Cases**

Case 1: Gold US\$500, Copper US\$1.80/lb.  
Case 2: Gold US\$600, Copper US\$2.65/lb.  
Case 3: Gold US\$700, Copper US\$3.50/lb.

# *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*



Tailings 2

Tailings 1

Waste dump

Copper Hill North

Mill and Plant

132Kv Power Line

Boundary Pit

Copper Hill Pit

Conveyor

Railway

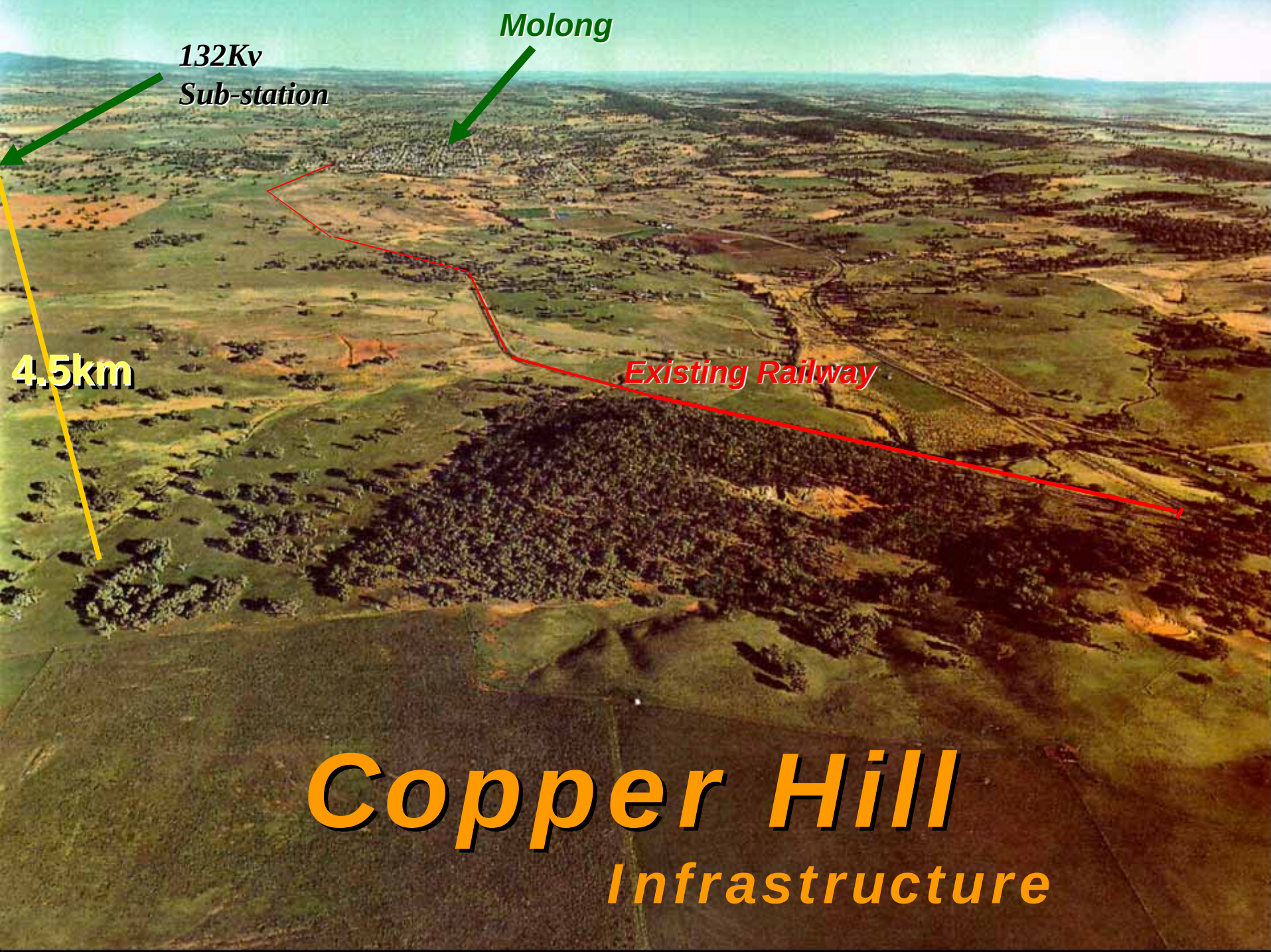
Wattle Hill Pit

Rail Loader

Mine Site Schematic

# *Infrastructure and Support*

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



**132Kv  
Sub-station**

**Molong**

**4.5km**

**Existing Railway**

# ***Copper Hill***

## ***Infrastructure***

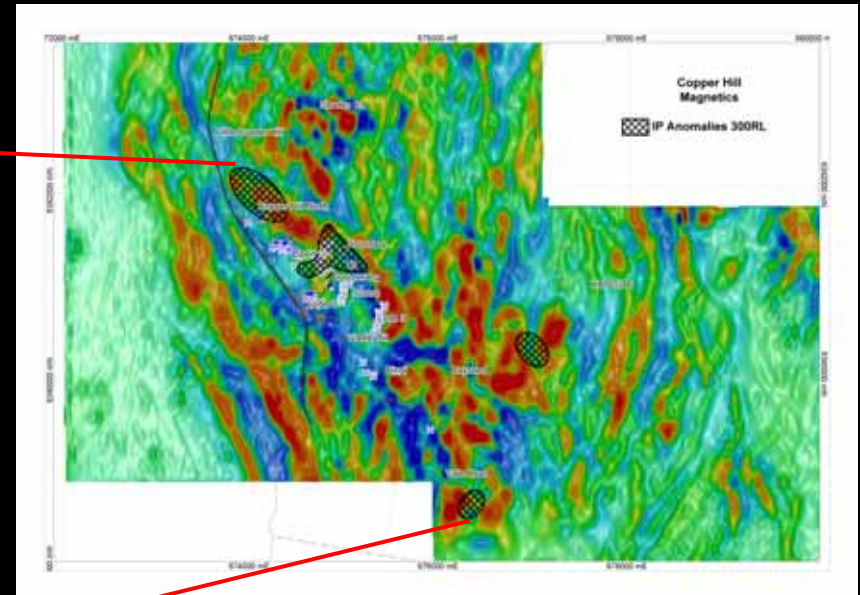
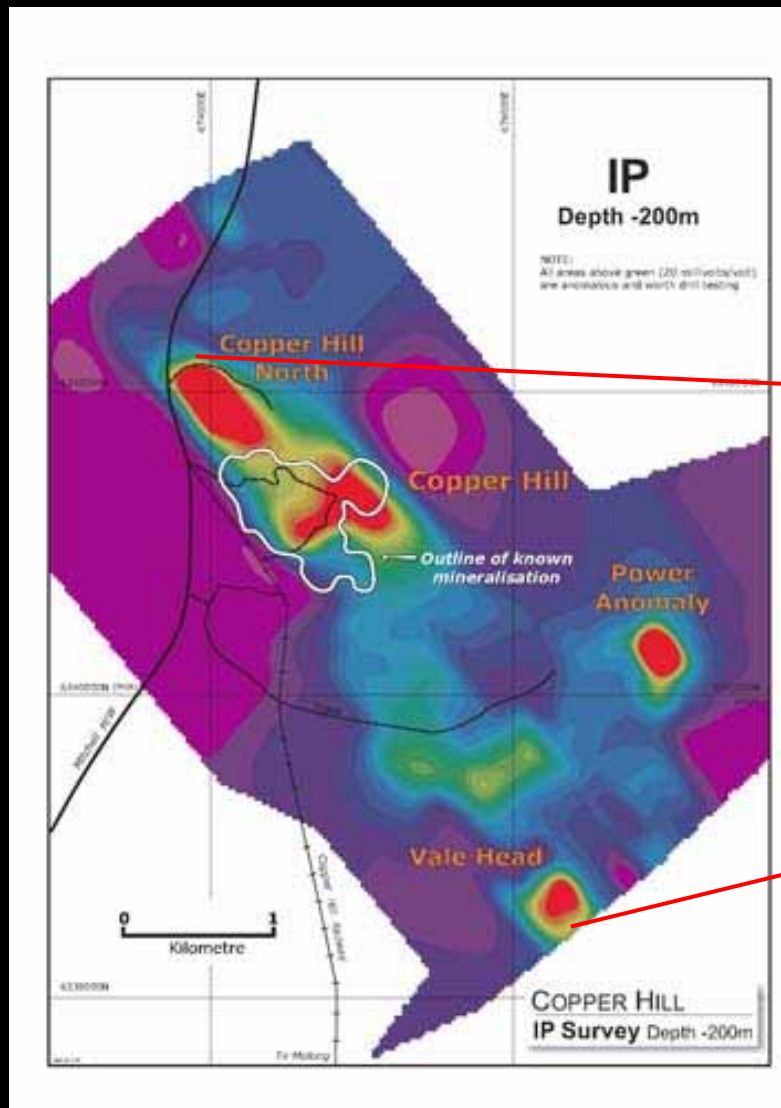






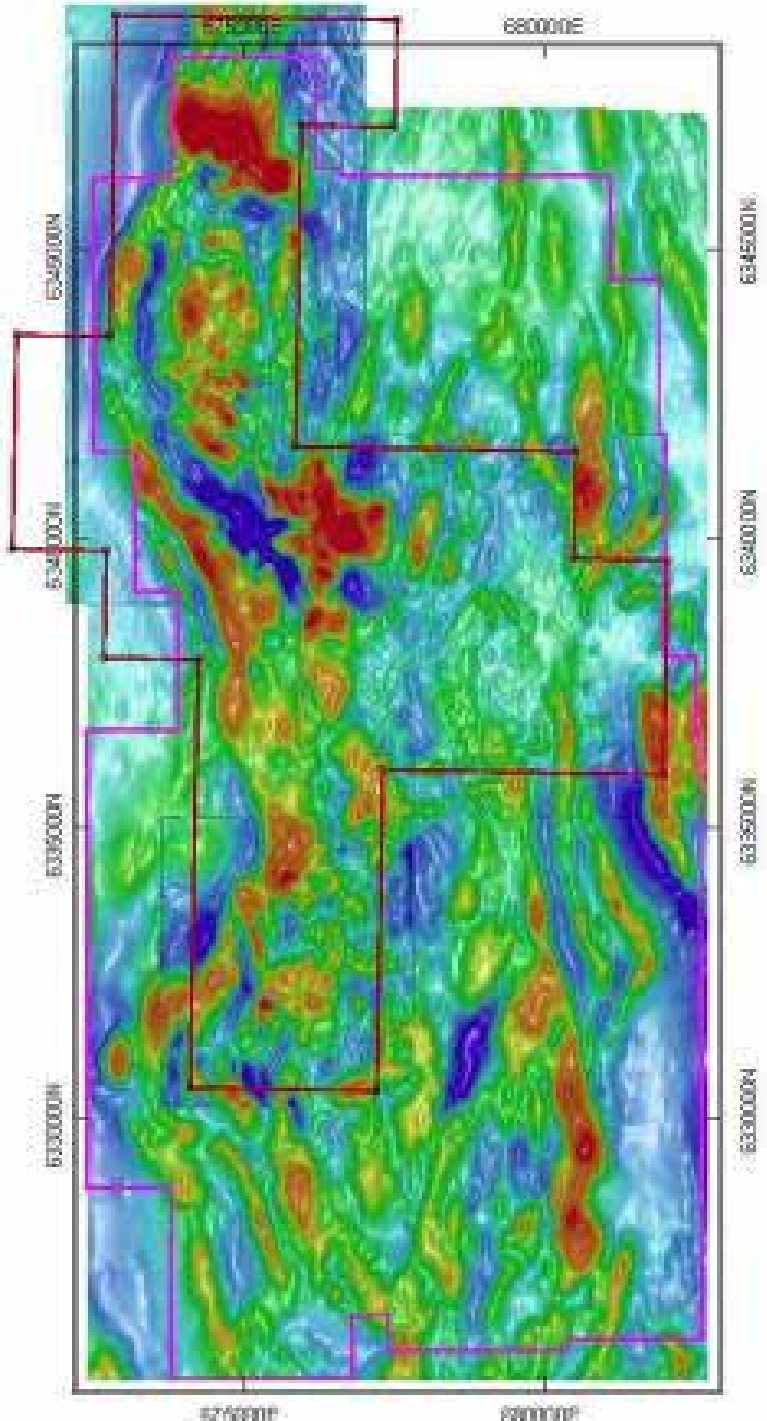
# *New Targets*

- *Power IP and geochemical Anomaly*
- *Vale Head and Wattle Hill IP anomalies*
- *Little Copper Hill*
- *Boundary – Copper Hill North zone*
- *Southern aeromagnetic anomalies*



**Magnetics**

**Copper Hill – Power – Vale Head IP**



## Copper Hill Aeromagnetics



## GCR - Joint Ventures – New South Wales

Broken Hill - CVRD-Inco

Wagga Tank – Zinifex

Cargo – Cybele Resources (Calibre Mining)

Cullarin - Tri Origin

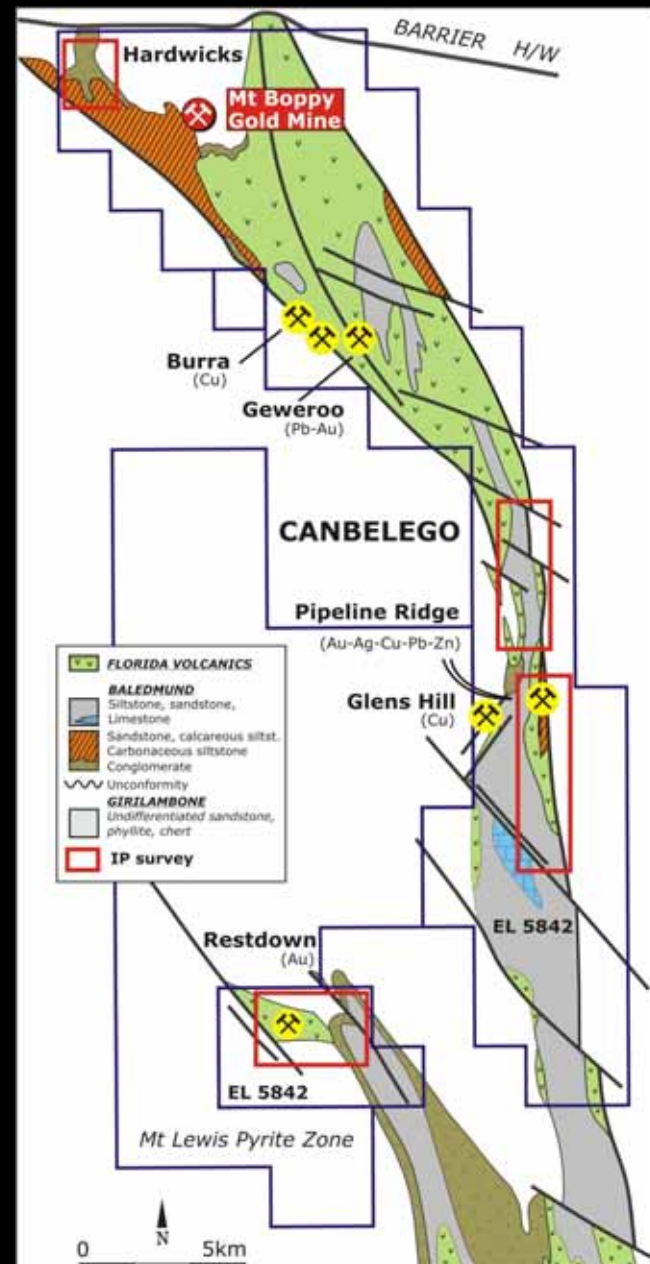
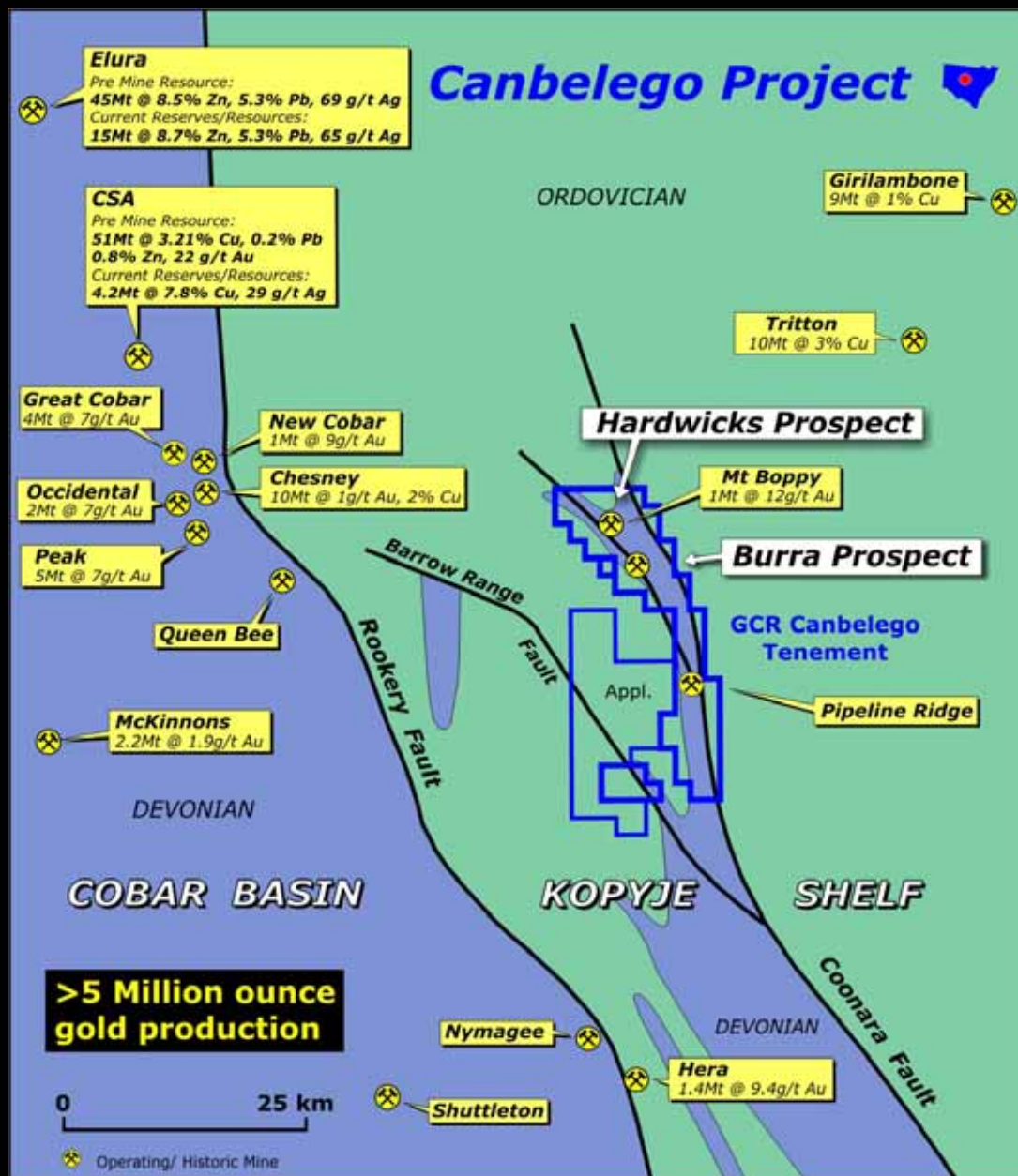
Kempfield, Sunny Corner & West Wyalong -  
Kempfield Silver

**Total for earn-ins = \$12.5 million**

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Yellow Mountain – CBH (GCR 30% contributing)





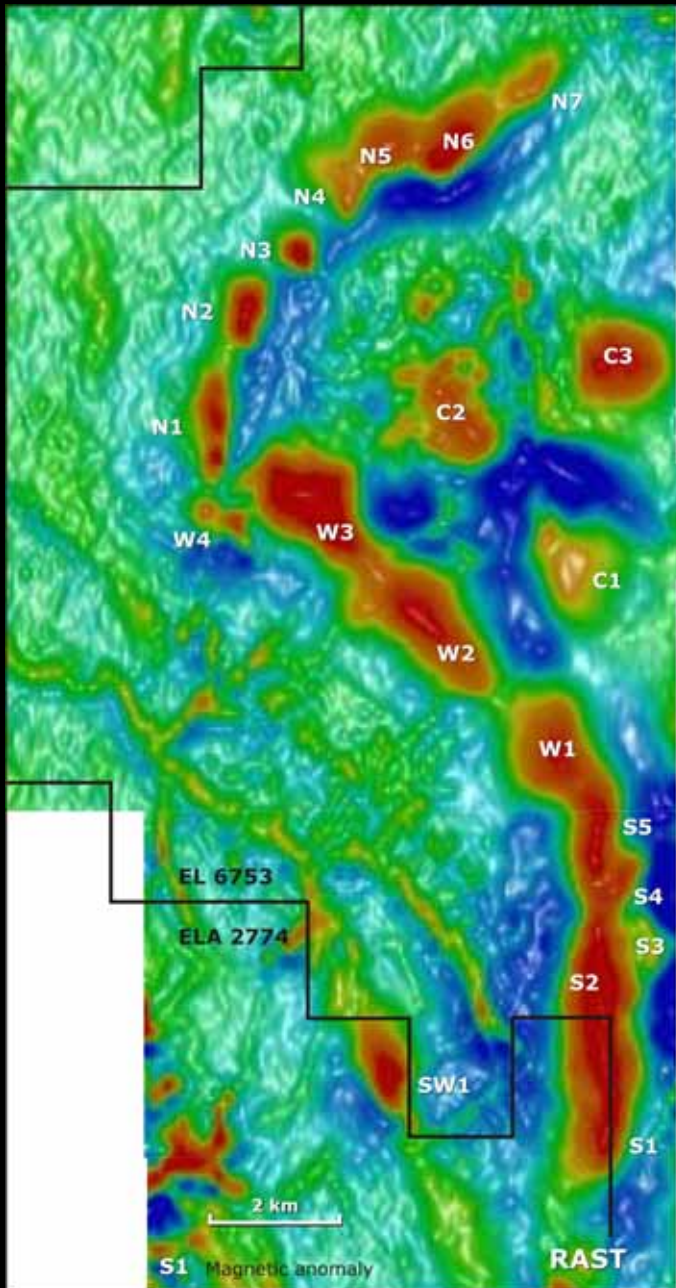
## Rast Project Areas – Cobar Basin

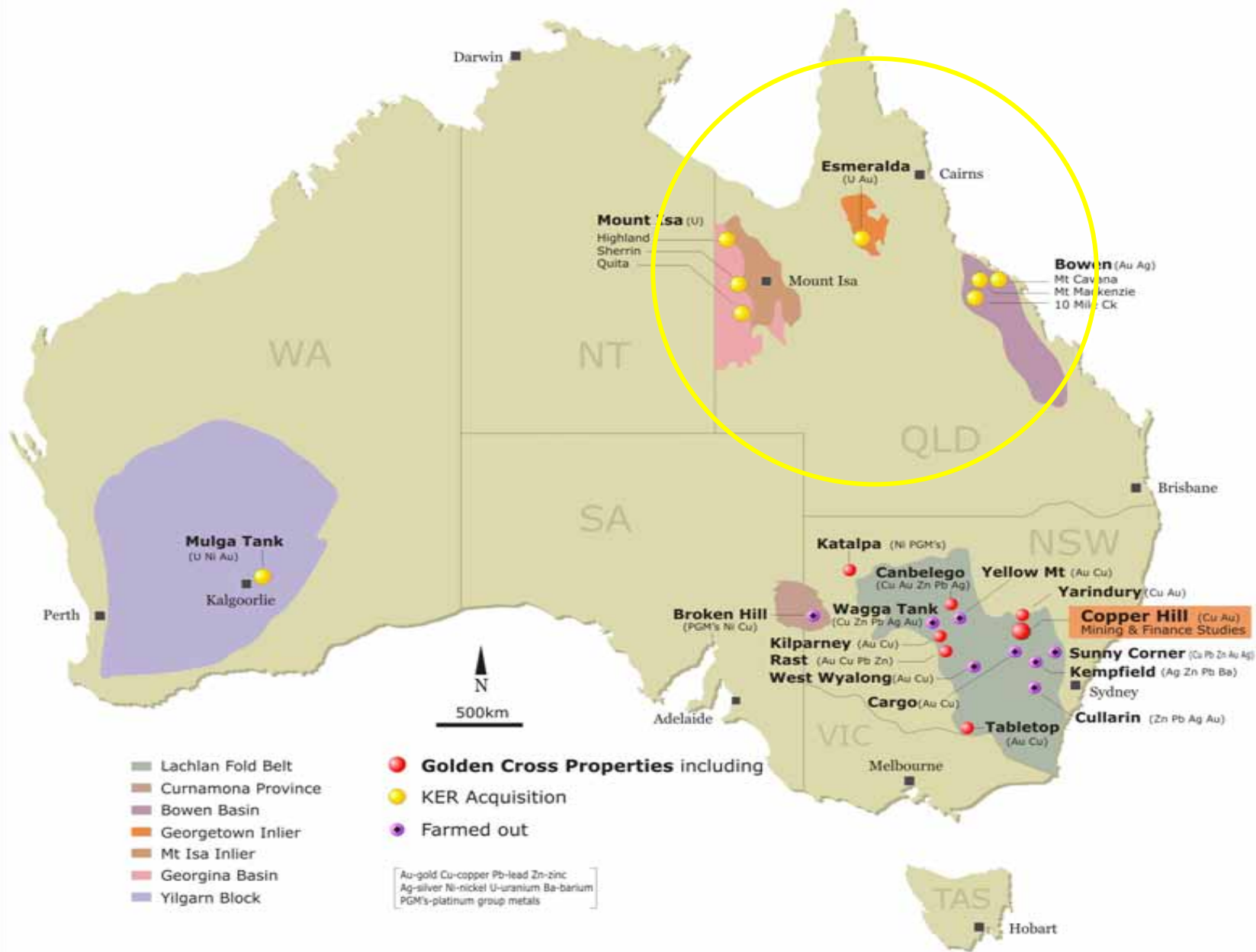
### ~Airborne Magnetic Anomalies~

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. Deep RAB drilling is planned for the coming year to test higher priority target areas.





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

0 100 km

LILY CREEK  
SHERRIN CREEK



STEAMBOAT  
QUITA CREEK

Mt Isa Inlier

VAHALLA  
26,000t U<sub>3</sub>O<sub>8</sub> resource

MARY KATHLEEN  
12,000t U<sub>3</sub>O<sub>8</sub> mined

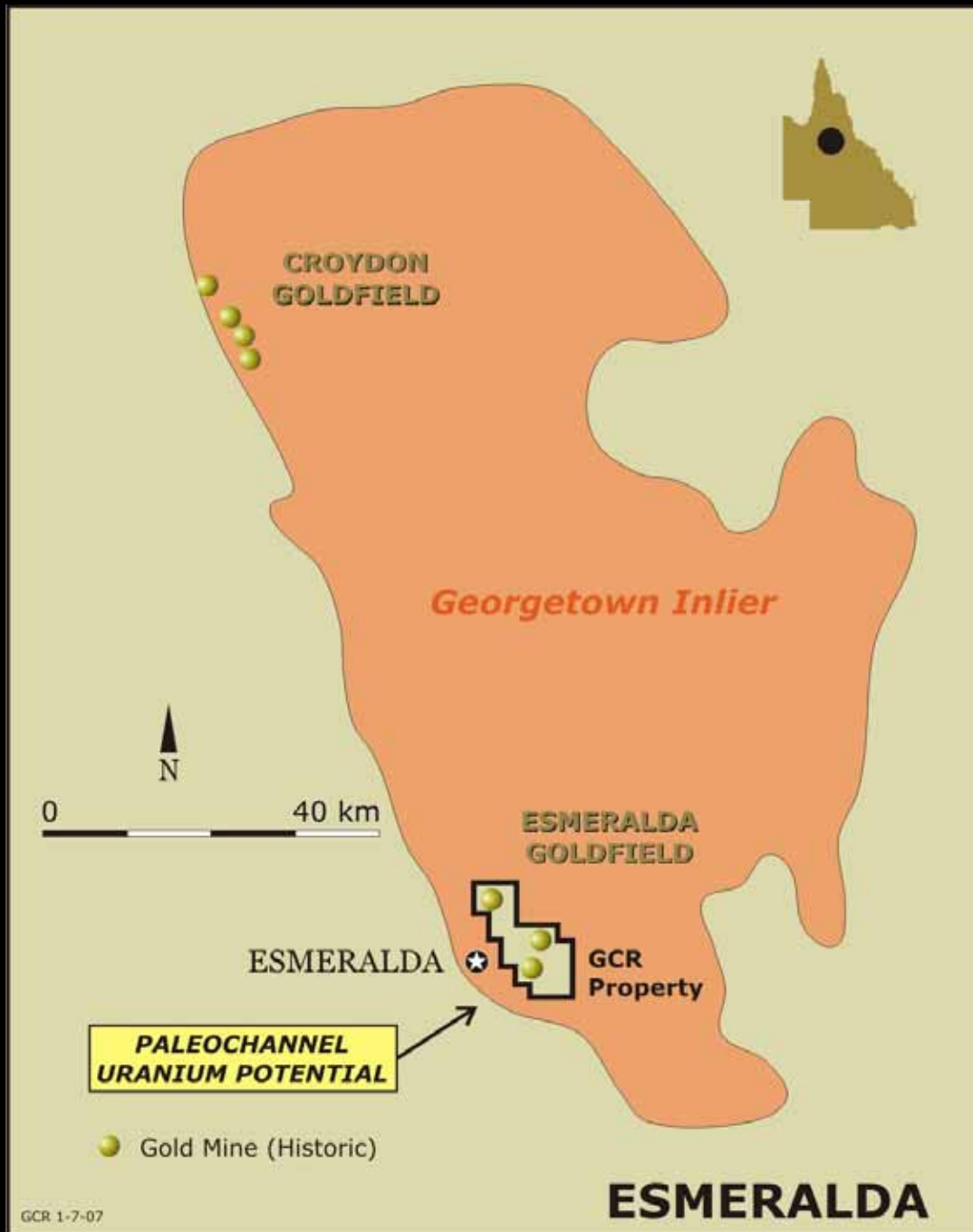
MOUNT ISA

Mount Rimmer  
Uranium-Phosphate

Southern Cross  
Phosphate Mine

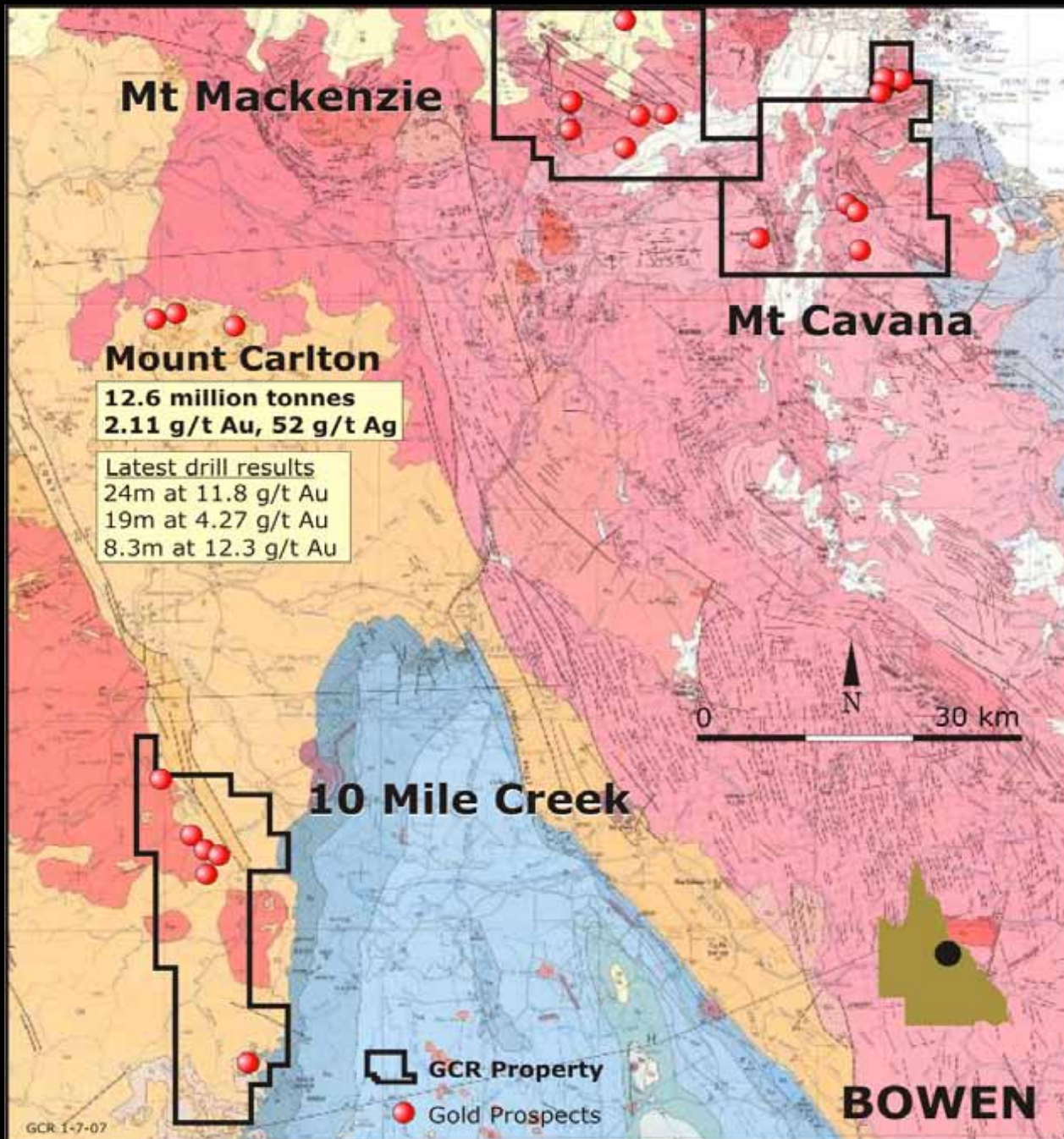
MOUNT ISA

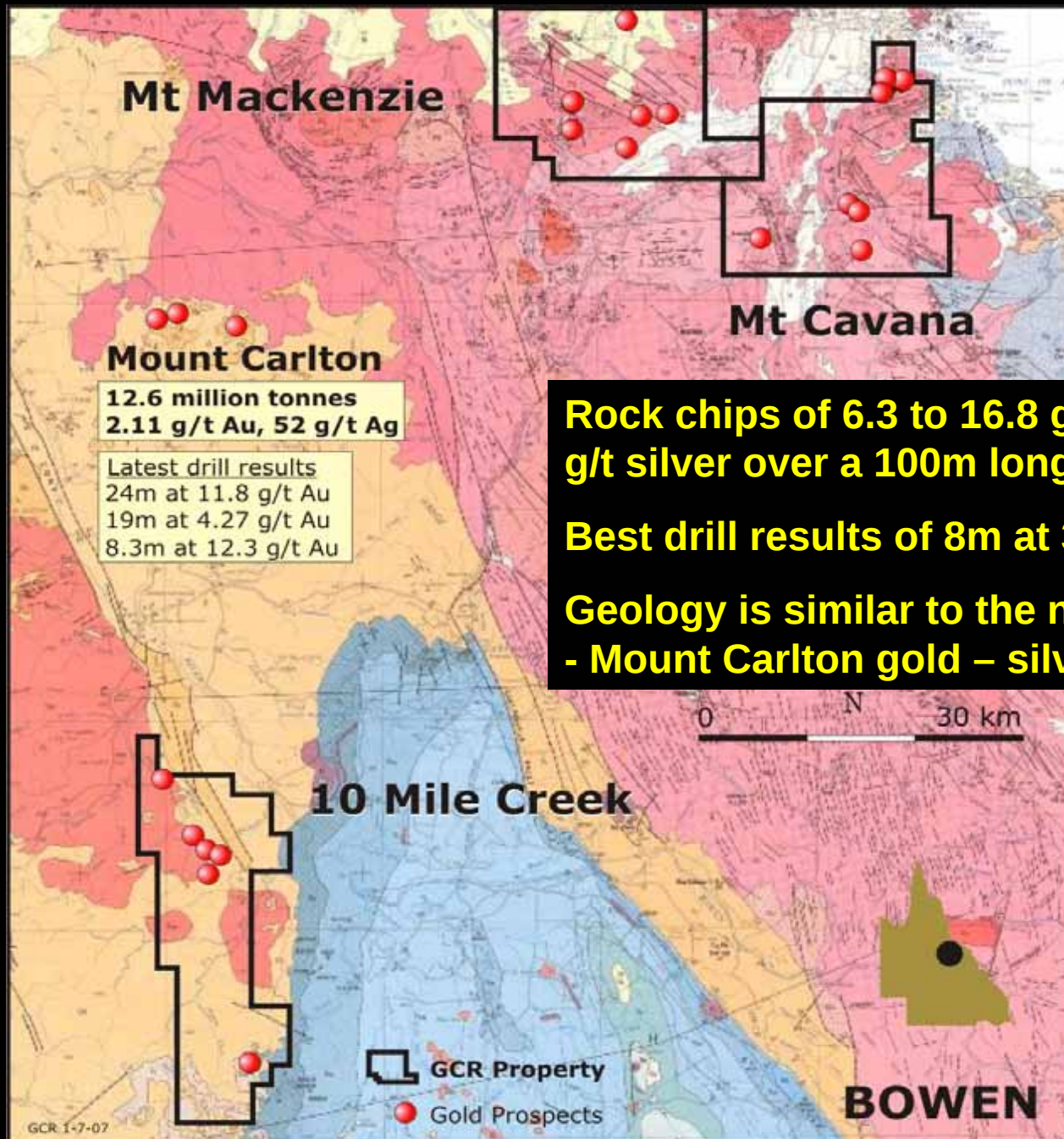
GCR 1-7-07



**Esmeralda**



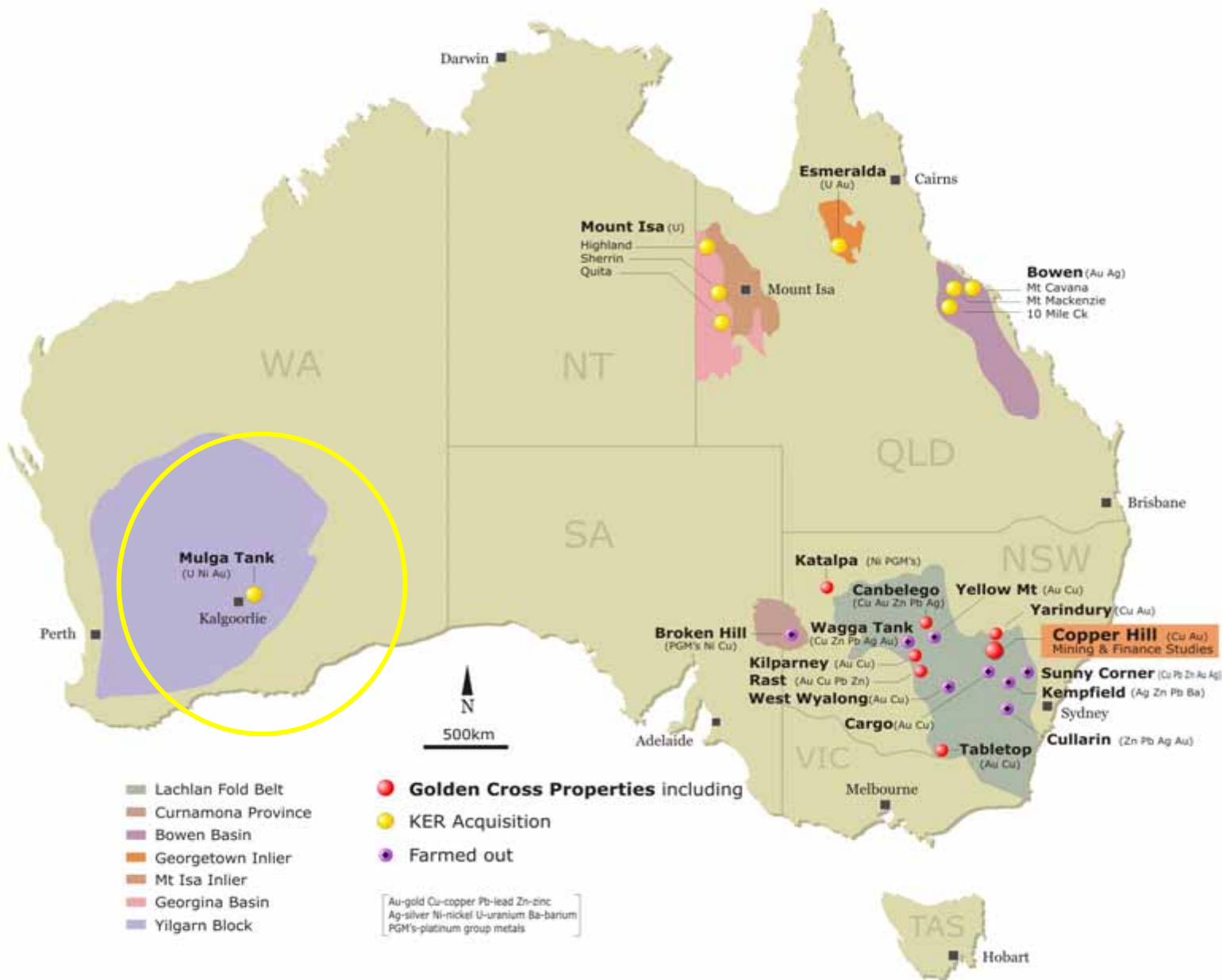


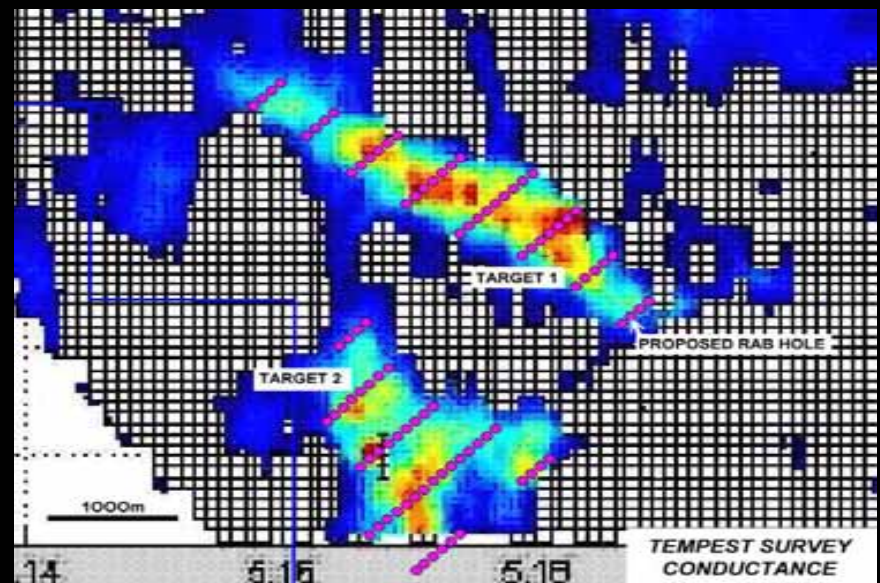
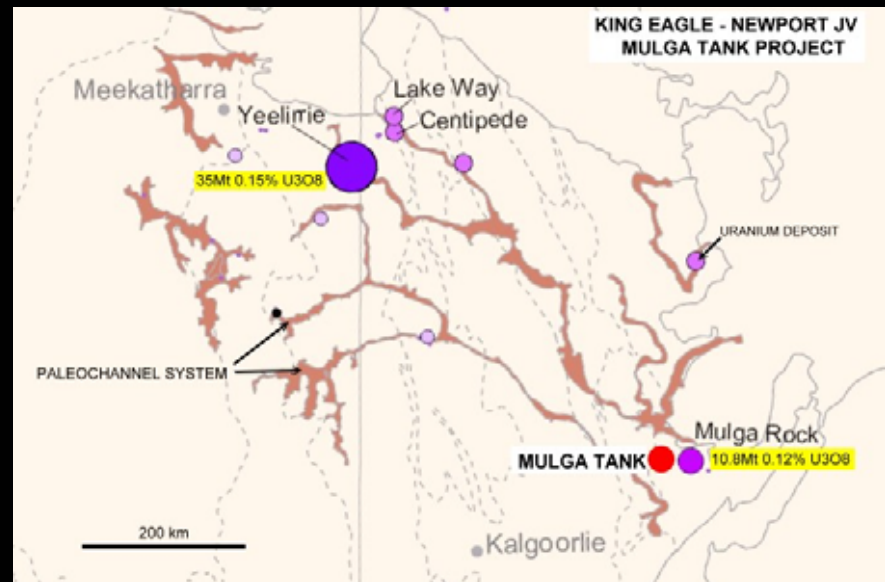
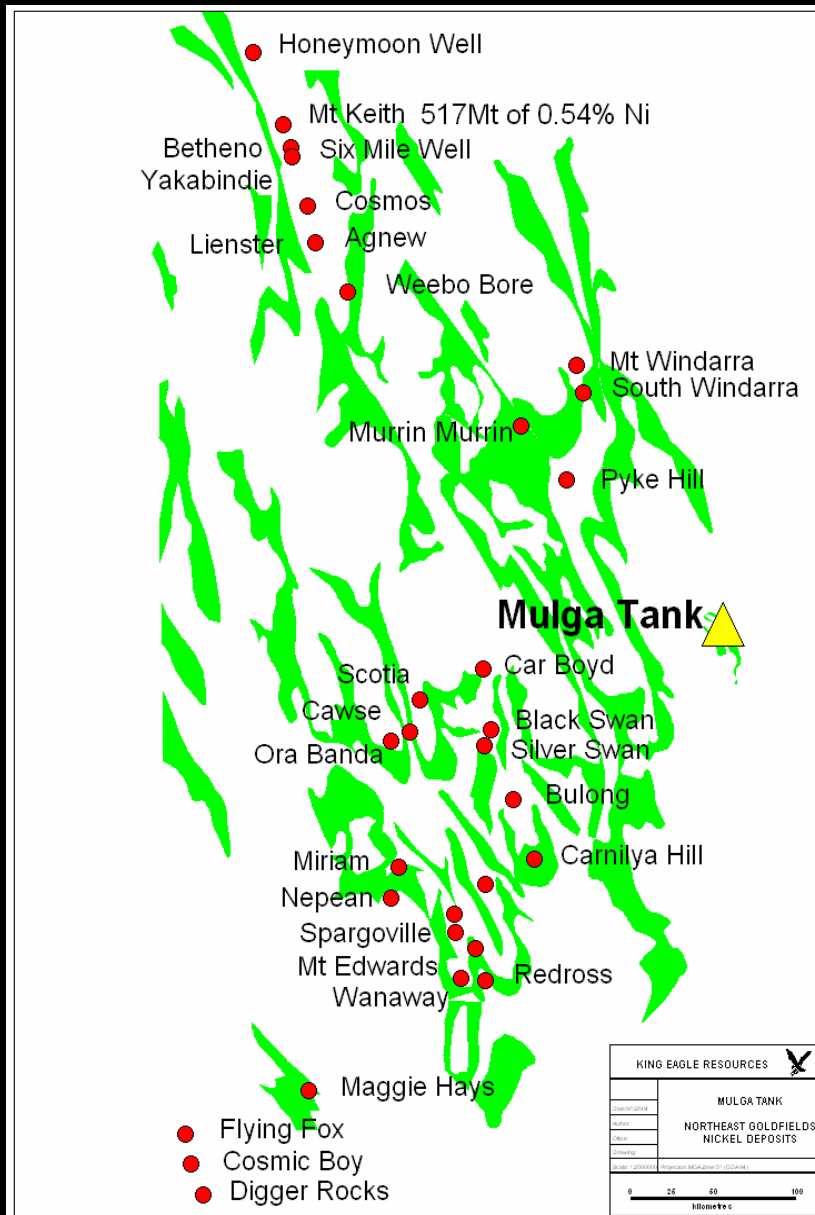


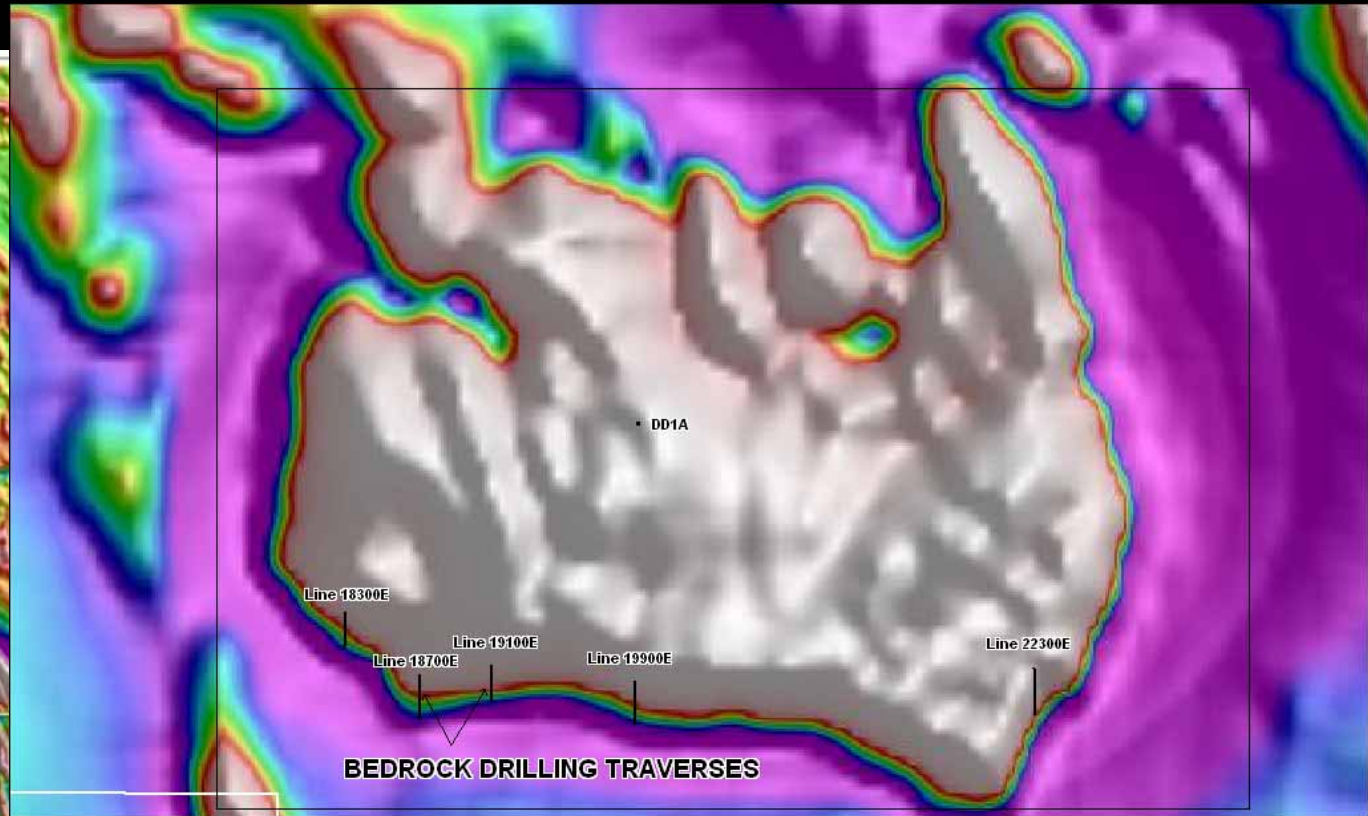
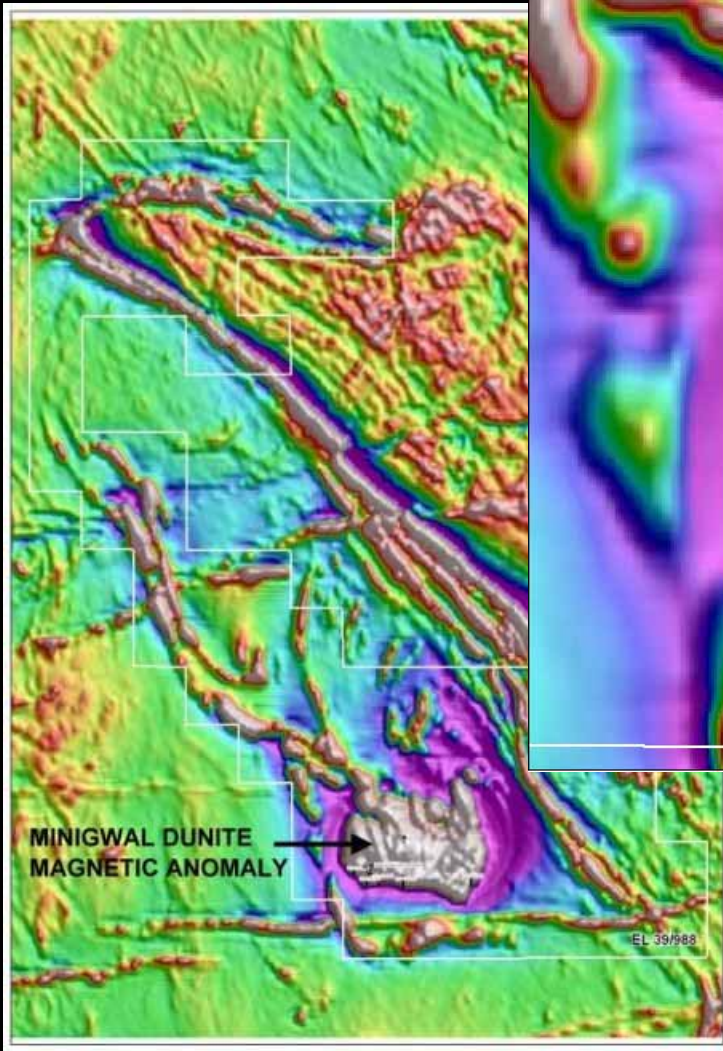
**Rock chips of 6.3 to 16.8 g/t gold and 105 g/t silver over a 100m long zone.**

**Best drill results of 8m at 3.2 g/t gold.**

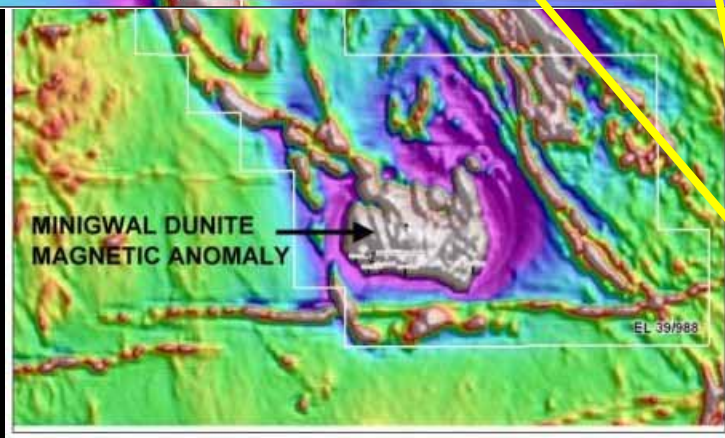
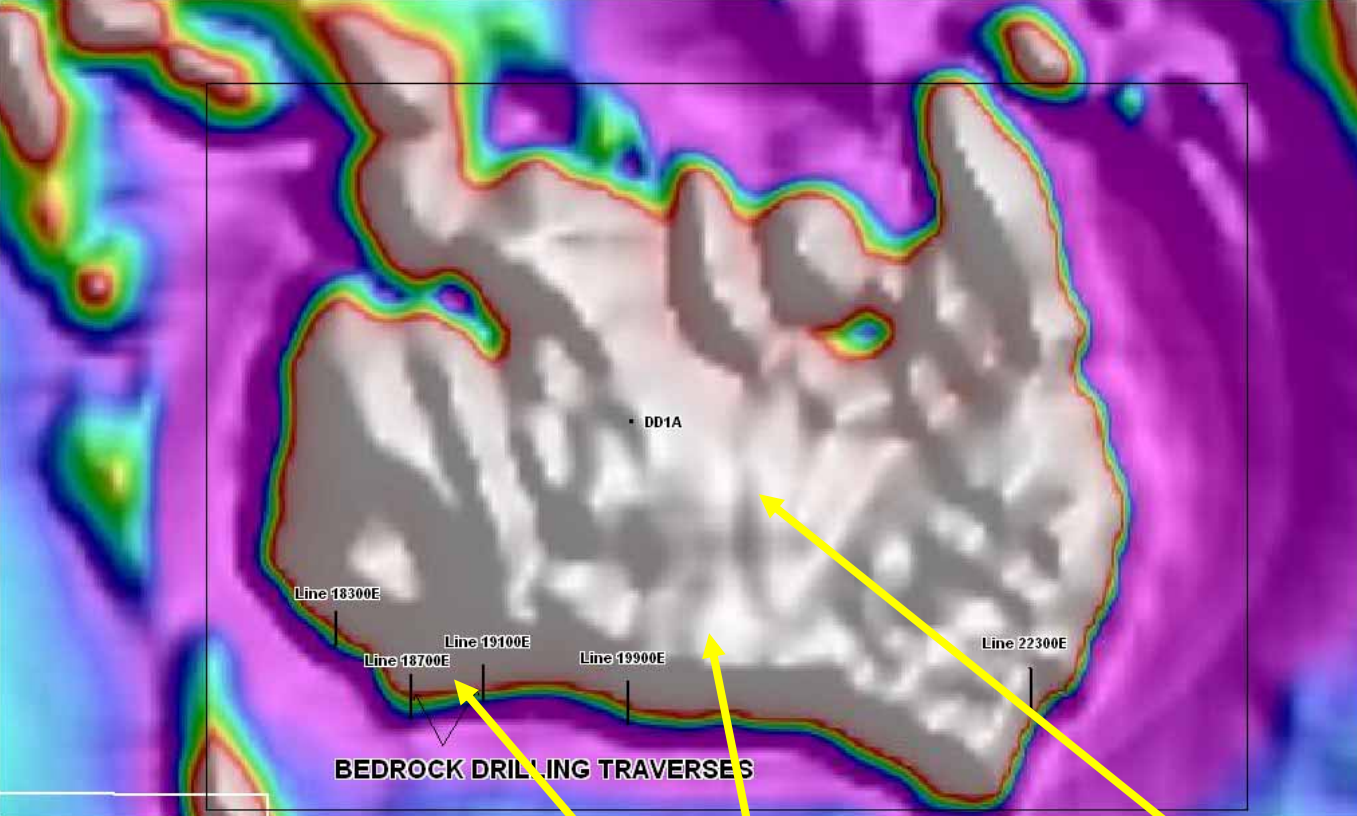
**Geology is similar to the nearby Silver Hill - Mount Carlton gold – silver discoveries.**







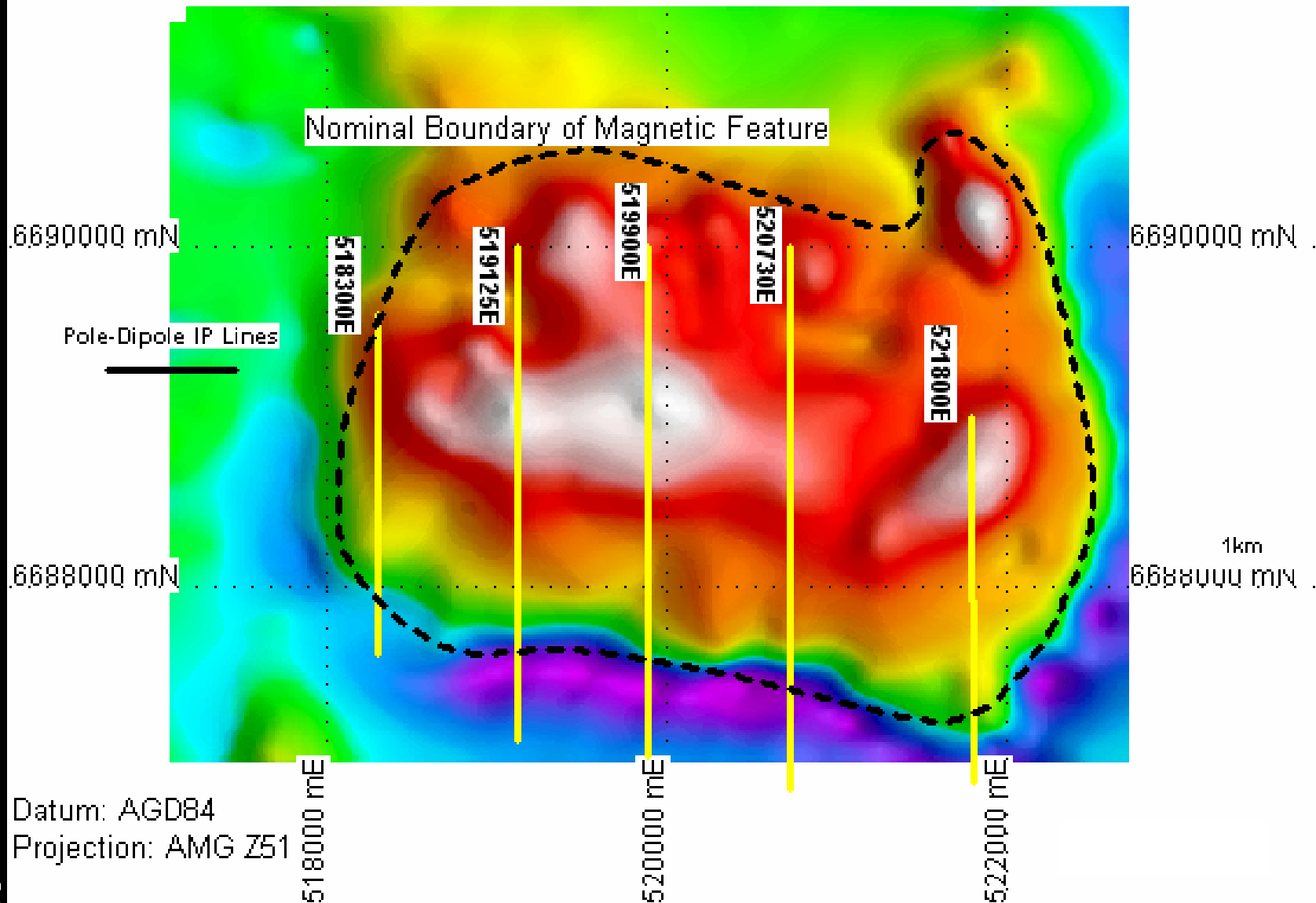
## Mulga Tank Magnetics

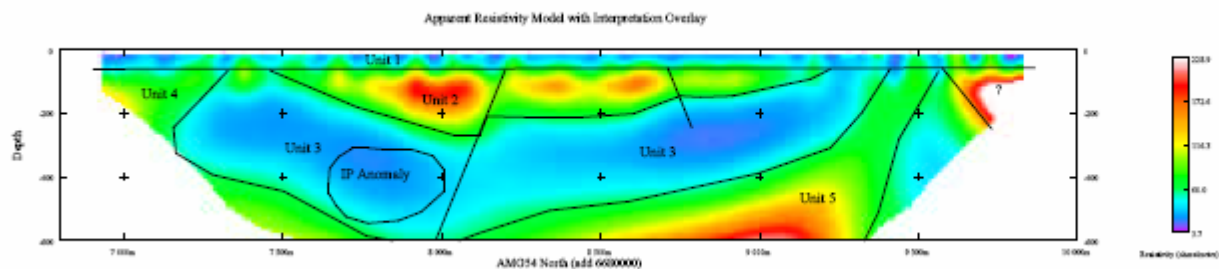
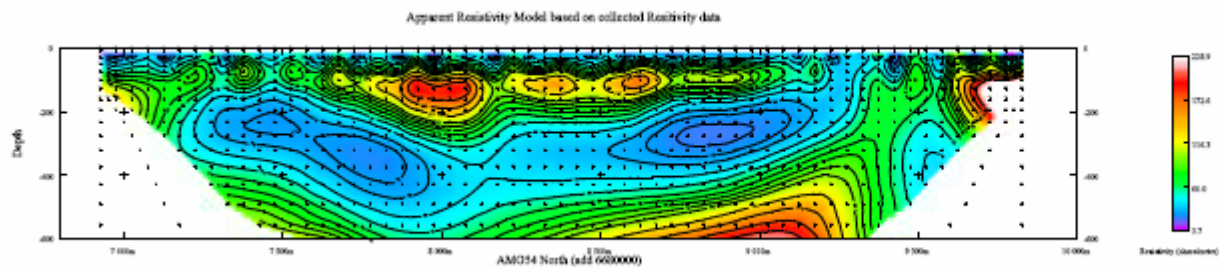
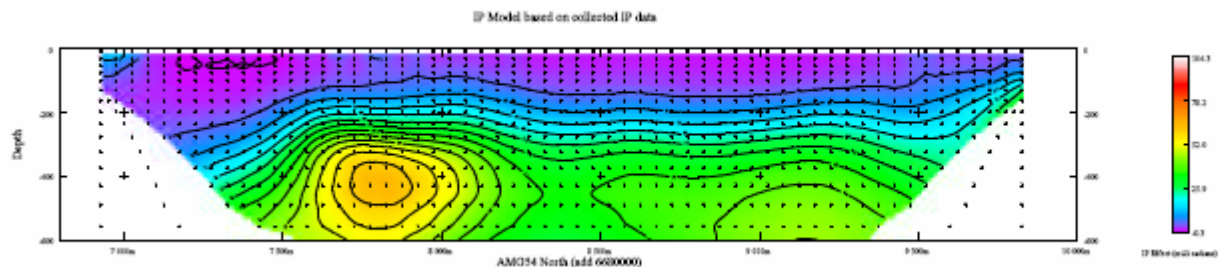
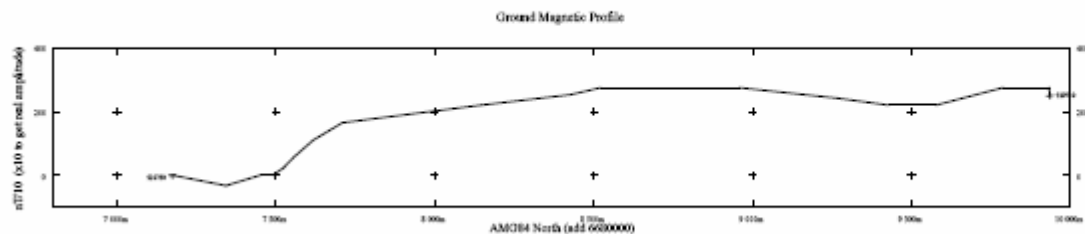


**Hole MTD001 averaged 0.20% nickel across the entire 270m of serpentinised dunite from 67.3m**  
**MTD002 returned 0.19% nickel over 212m (from 60m).**

**Shallow RAB samples assayed up to 2% nickel.**

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





**Forecasting Applications**

Geoffrey Gordon, *Johns Hopkins U*  
Michael Haganway, *U*  
Pengyue Li, *U of W*  
Elizabeth Spring, *U of W*  
Bryan Van der Vaart, *U of W*, [bvander@u.washington.edu](mailto:bvander@u.washington.edu)  
Tamas Varga, *U of W*  
Tamas Varga, *U of W*  
David W. Miller, *U of W*  
Gordon, George, *U of W*

**Event Processing**

David Brin, *University of California, Santa Barbara*  
David Brin, *University of California, Santa Barbara*  
[brin@cs.ucsb.edu](mailto:brin@cs.ucsb.edu), <http://www.gemini.org.uk>

**Big Mining, Social, and Mining Data**

David Brin, *University of California, Santa Barbara*



|                                                                                                                                                                                                                                                                                                                   |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <p align="center"><b>King Eagle Resources</b></p> <p align="center">Mixing Tank Project</p> <p align="center">IF Survey Feb 2005</p> <p align="center">Pulse Signature ERTs sensitivity Survey<br/>         Created Merged ERTs with Modelled 2D ERTs sensitivity Response</p> <p align="center">Line 5207502</p> |                   |
| Author : Peter Smith                                                                                                                                                                                                                                                                                              | Ref:              |
| Drawn : Graham Gribble                                                                                                                                                                                                                                                                                            |                   |
| Date : 6-Apr-2003                                                                                                                                                                                                                                                                                                 | Revised By:       |
| Scale 1 : 10,000                                                                                                                                                                                                                                                                                                  | Plan No : 1000000 |

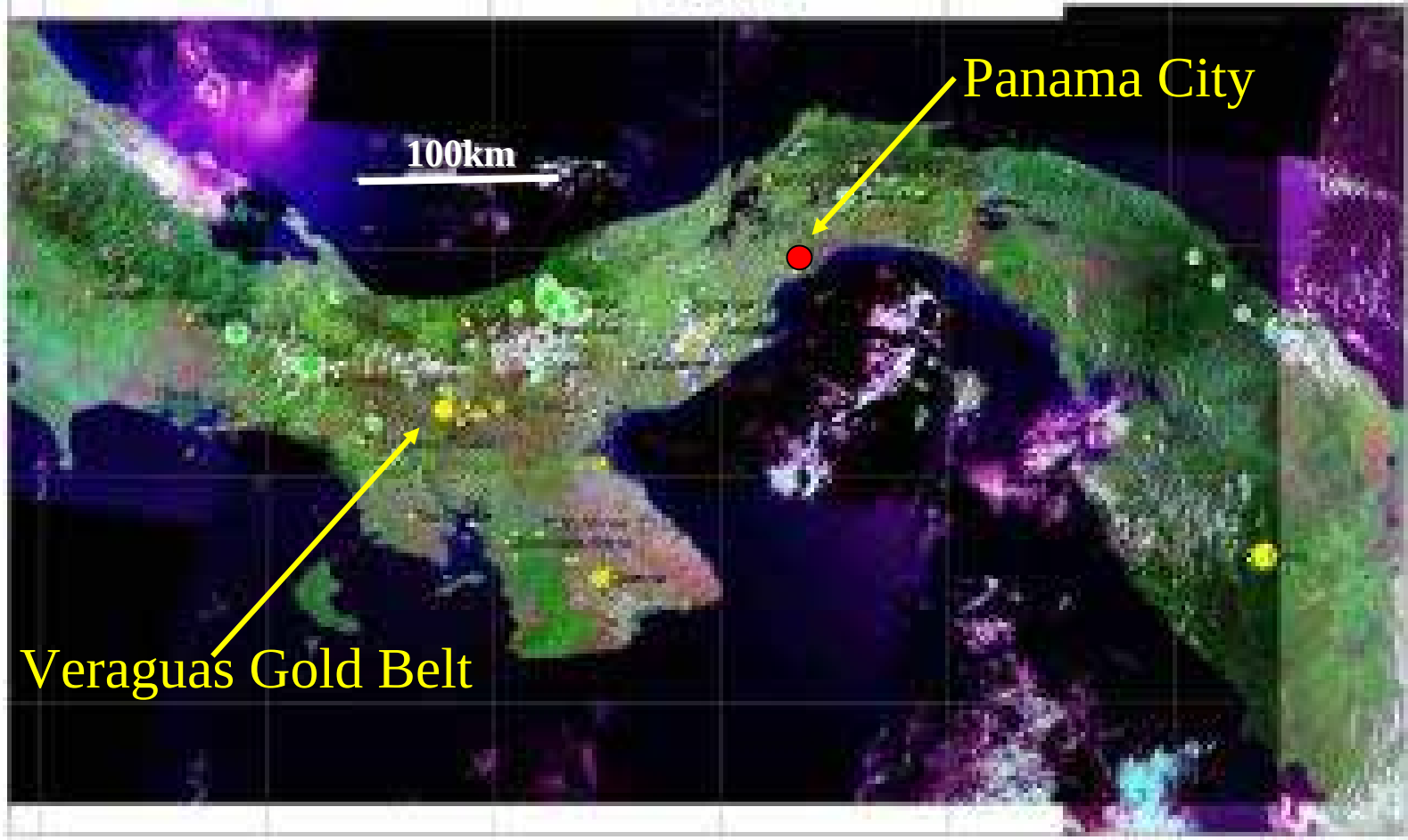
A wireframe globe showing the continents of North and South America. A red square is drawn on the Isthmus of Panama, indicating the location of Panama. The globe is set against a dark gray background.

**Gold in Panama**

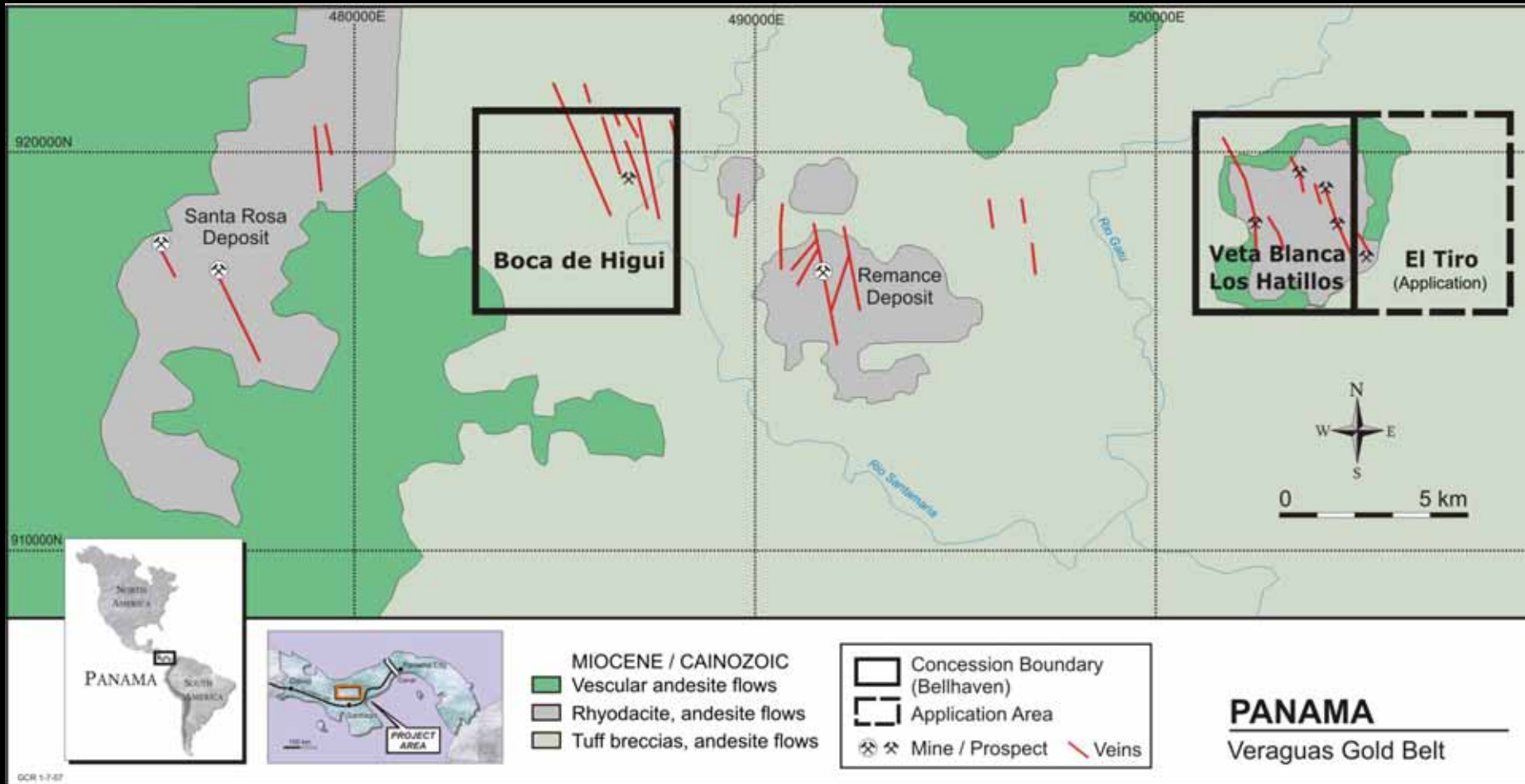
## Satellite Image of Panama

by  
Cristóbal Rodríguez  
Geological Institute  
Earth and Space Sciences  
Panama City, Panama

Copyright © 2000







PANAMA

Veraguas Project



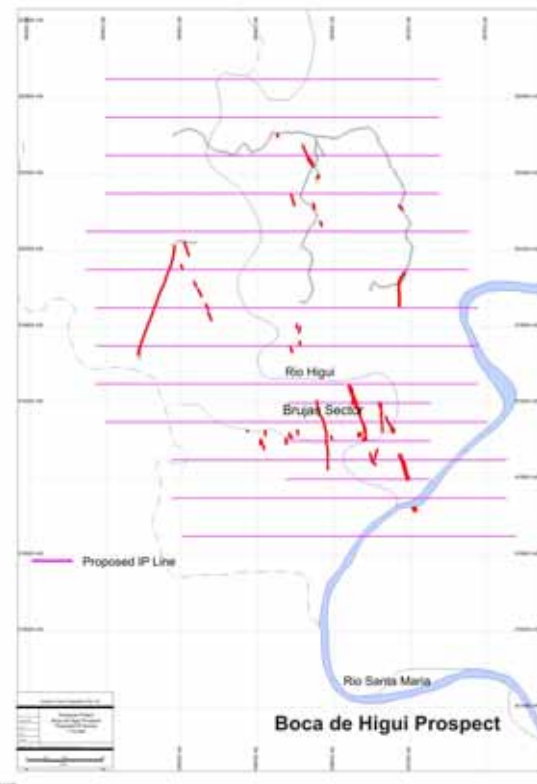
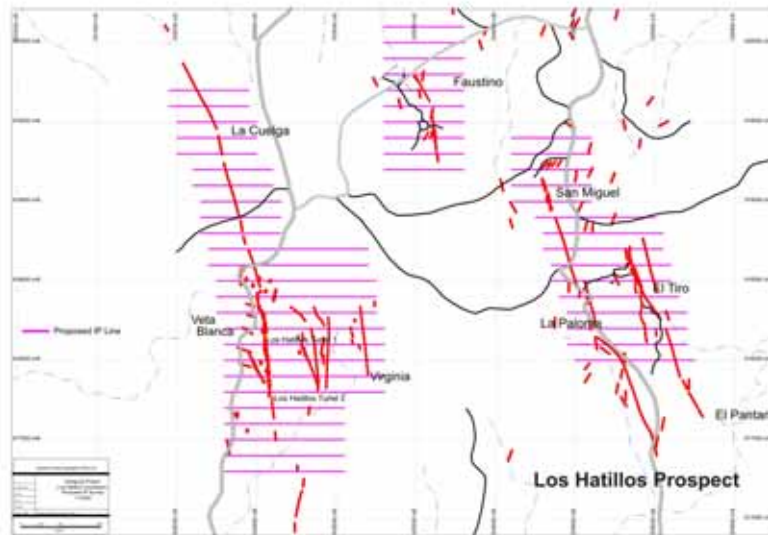


**Rob Harley, GCR Exploration Manager, in his element**



**62.8 g/t Au in float– El Tiro**





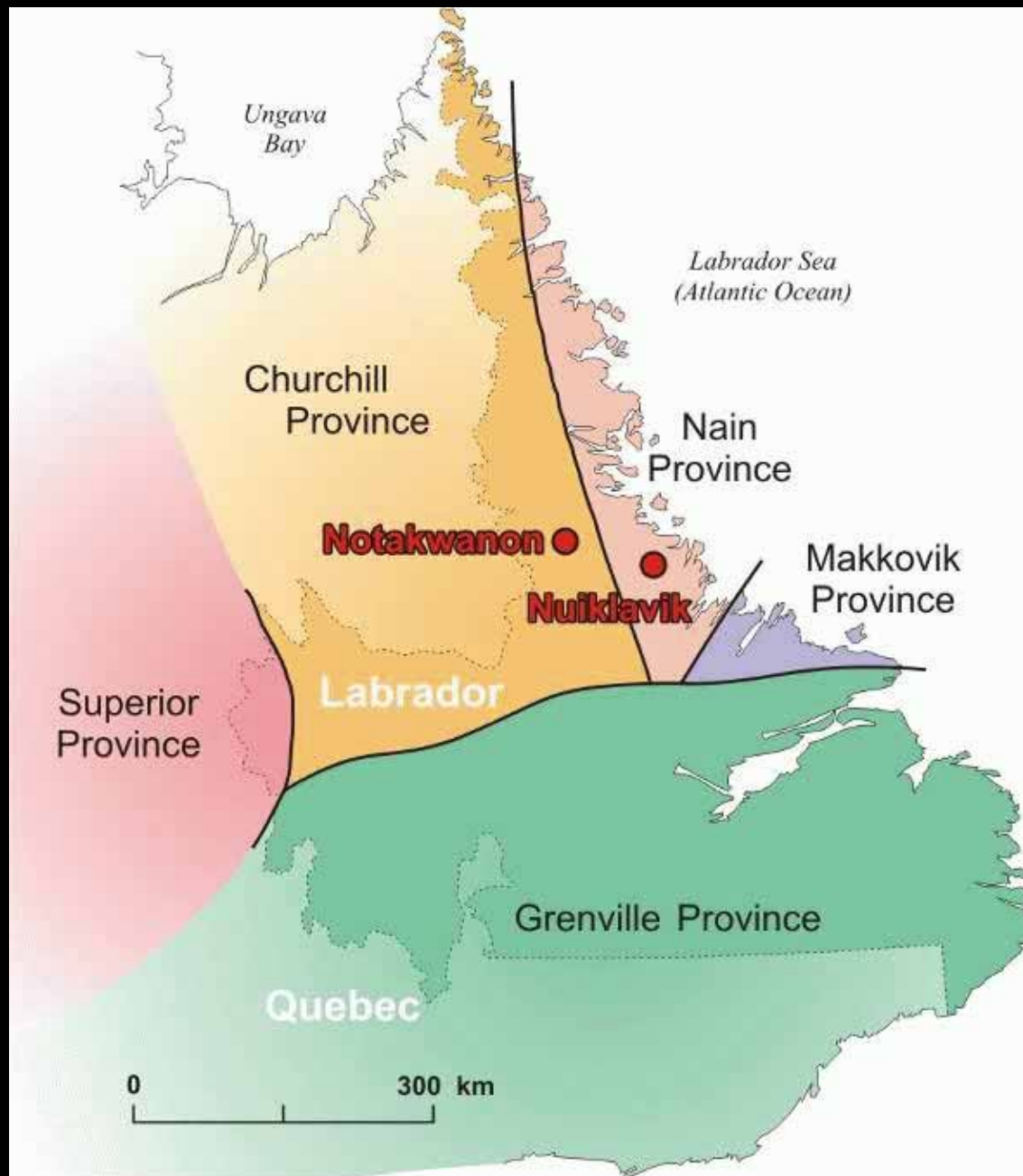
**Veraguas Project**  
Proposed IP Survey

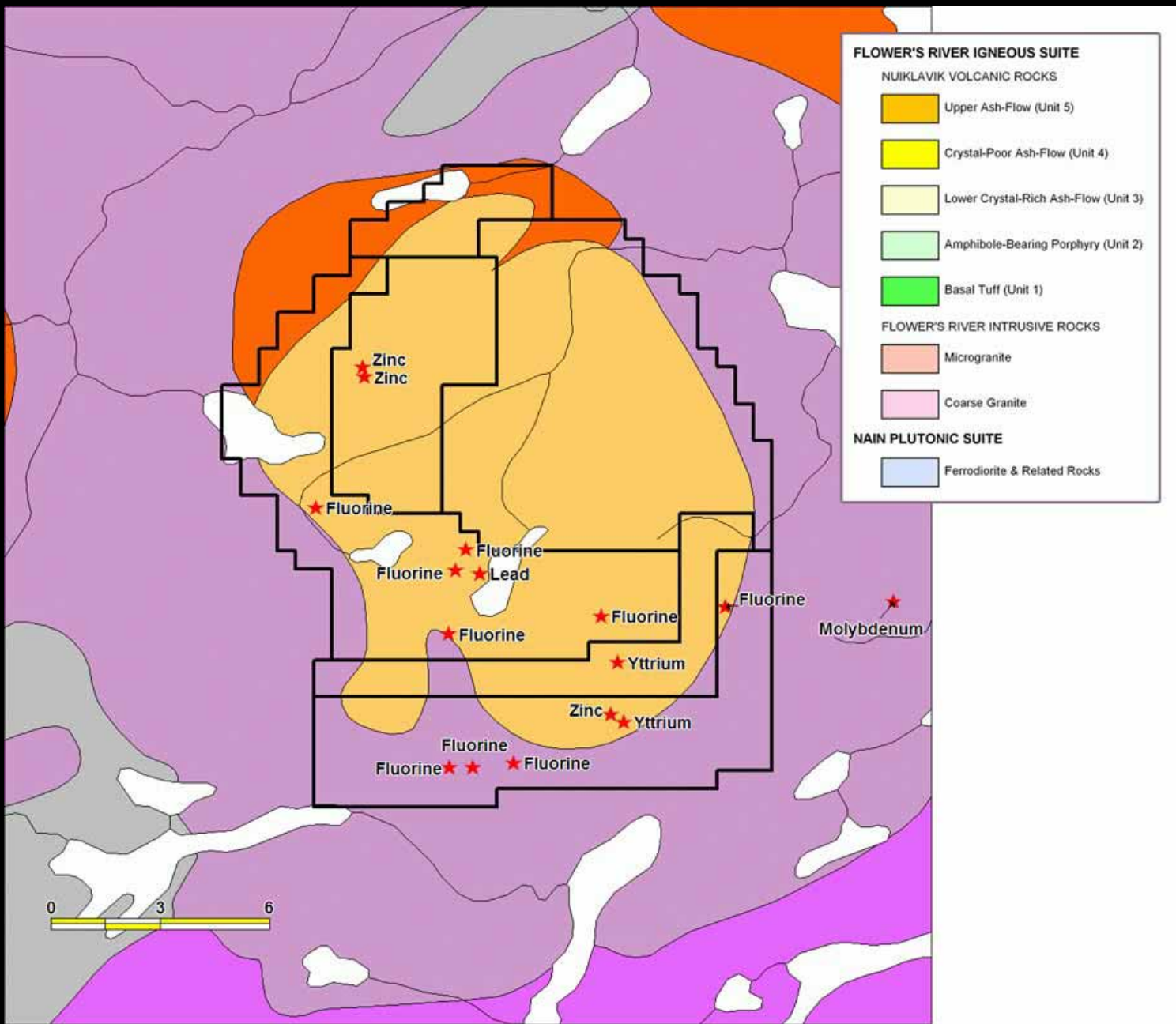
**Veraguas IP**

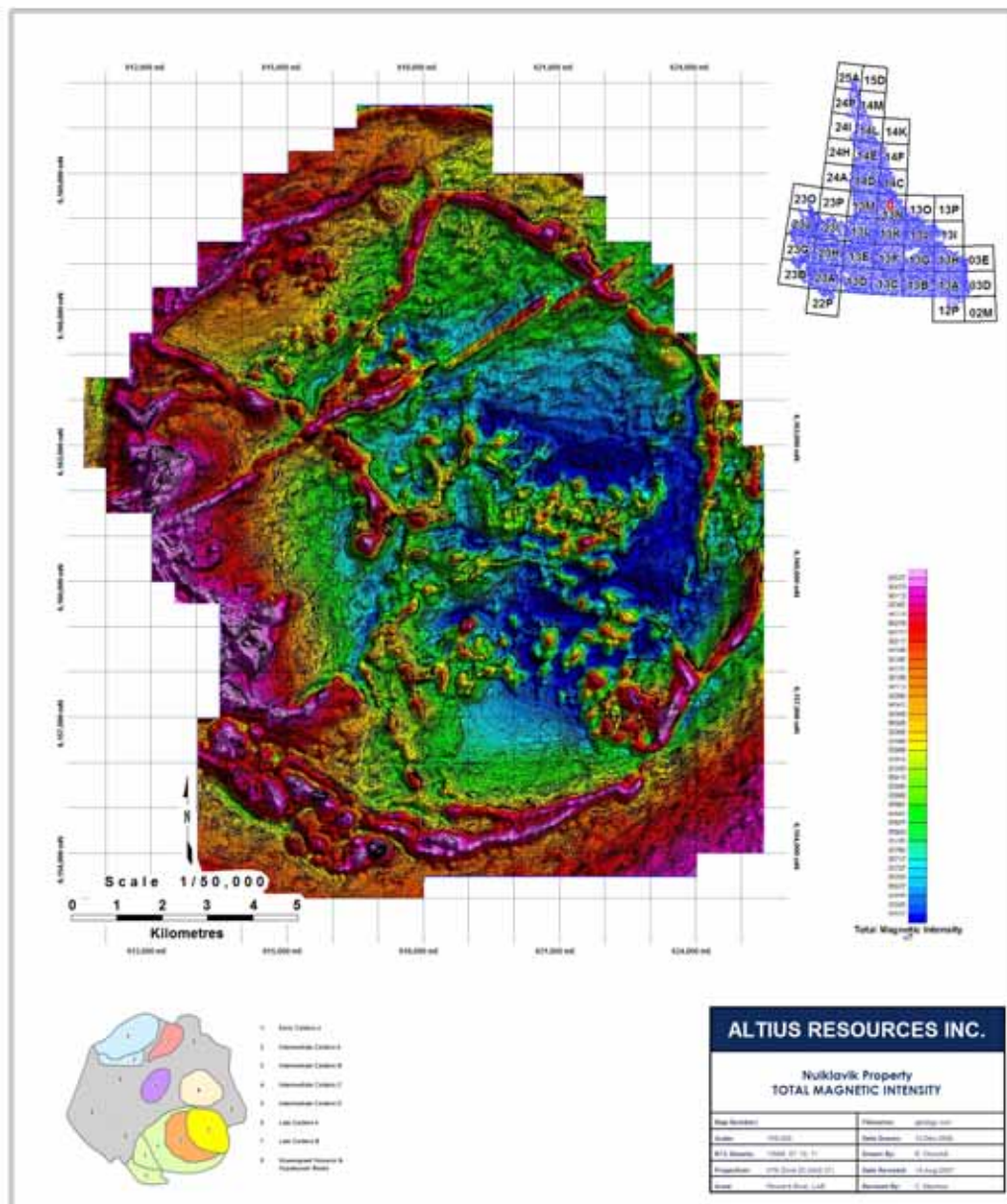




Labrador Uranium - Canada



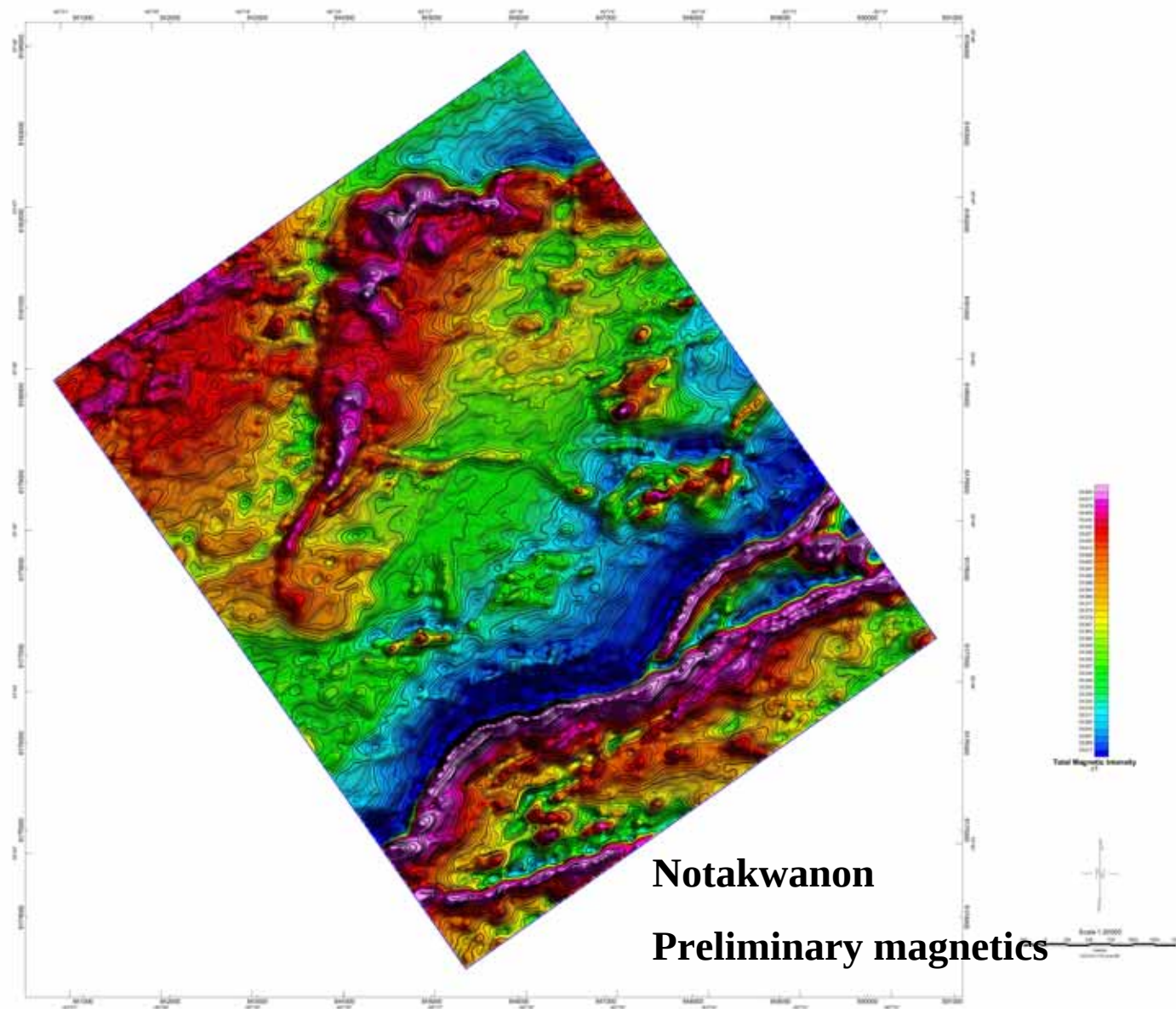




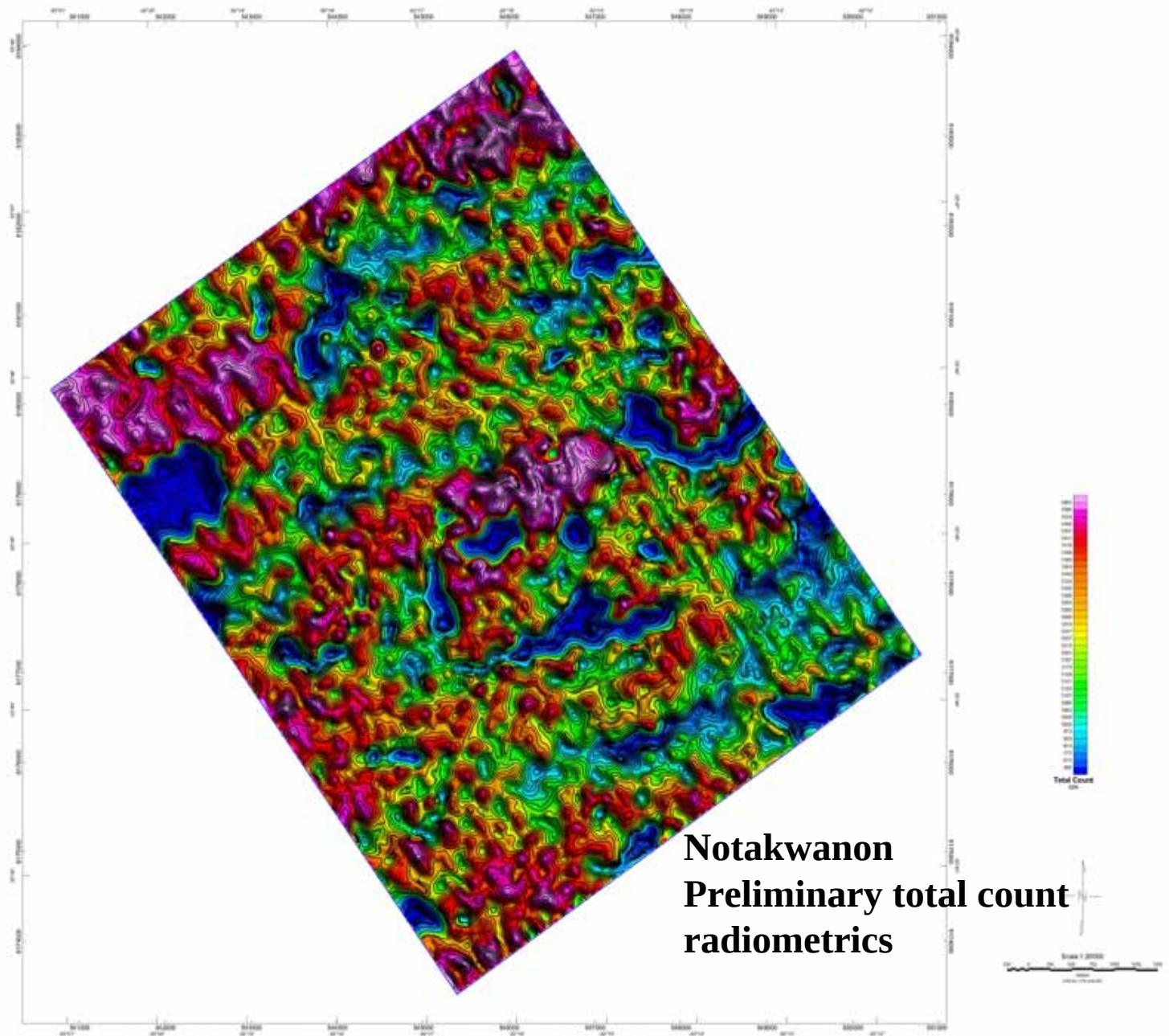
# Nuiklavik Magnetics



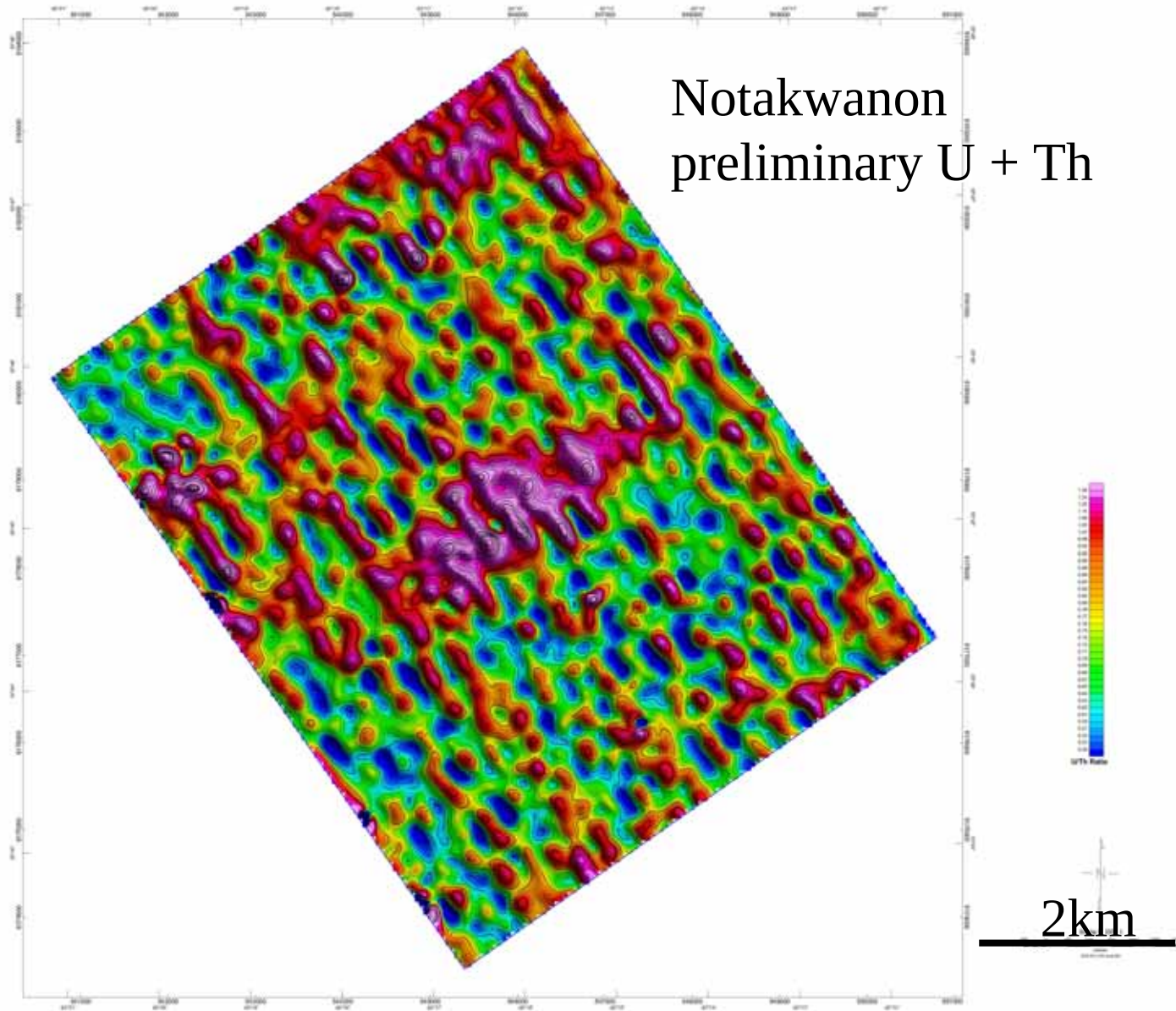




**Notakwanon**  
**Preliminary magnetics**



# Notakwanon preliminary U + Th









# GOLDEN CROSS RESOURCES

Golden Cross is a gold, uranium and base metals explorer gearing up



- **With \$5 million in cash**
- **2,875 shareholders**
- **540.5 million shares issued**

**..... with some great  
discoveries just around  
the corner.**

**GCR is on the move  
and drilling ahead.**

