Unlocking Victoria's Copper-Gold Potential

Stavely Minerals Limited AGM
18 November 2015

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STAVELY MINERALS

ASX Code – SVY
Share Price - $0.195
Cash (30/09/15) - $2.6M*
**Excludes Titeline Drilling agreement,*

Shares on Issue – 93.8M
Market Cap - $18.3M

Directors

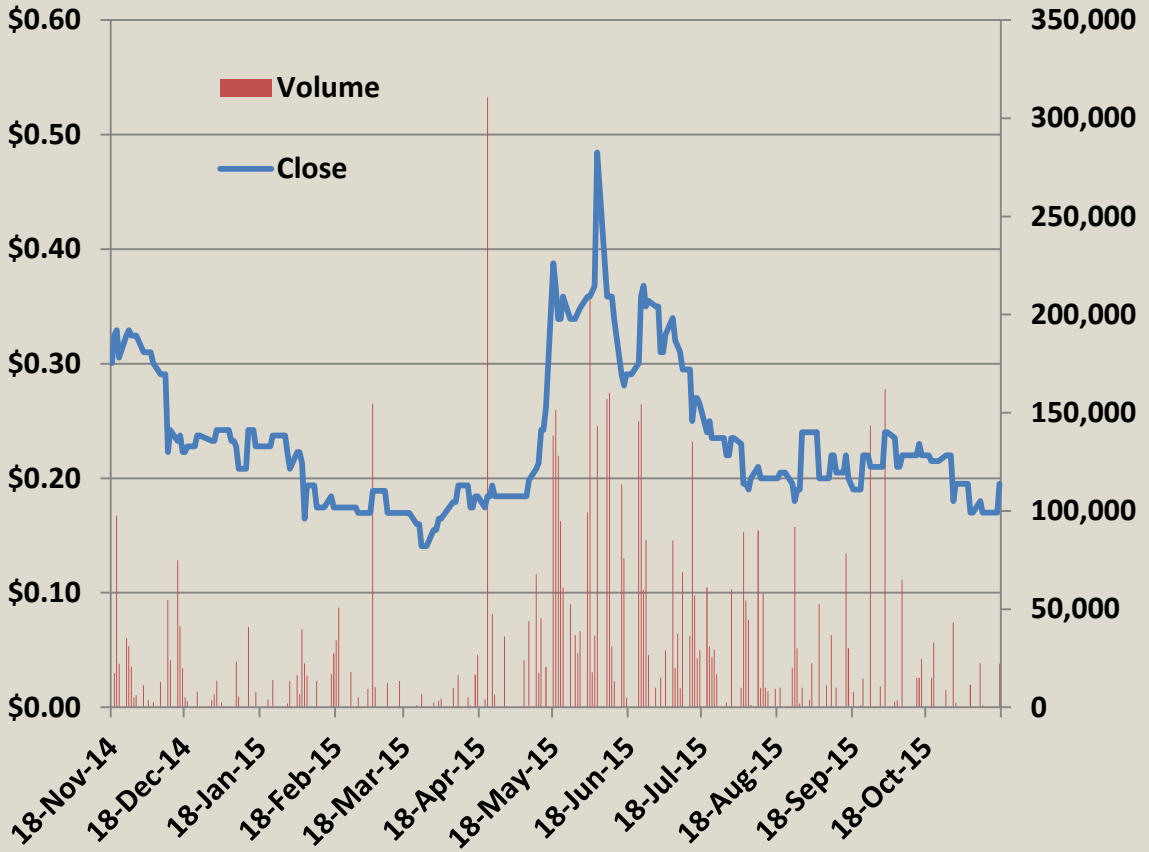
Bill Plyley
Non-executive Chairman

Chris Cairns
Managing Director

Jennifer Murphy
Technical Director

Peter Ironside
Non-executive Director

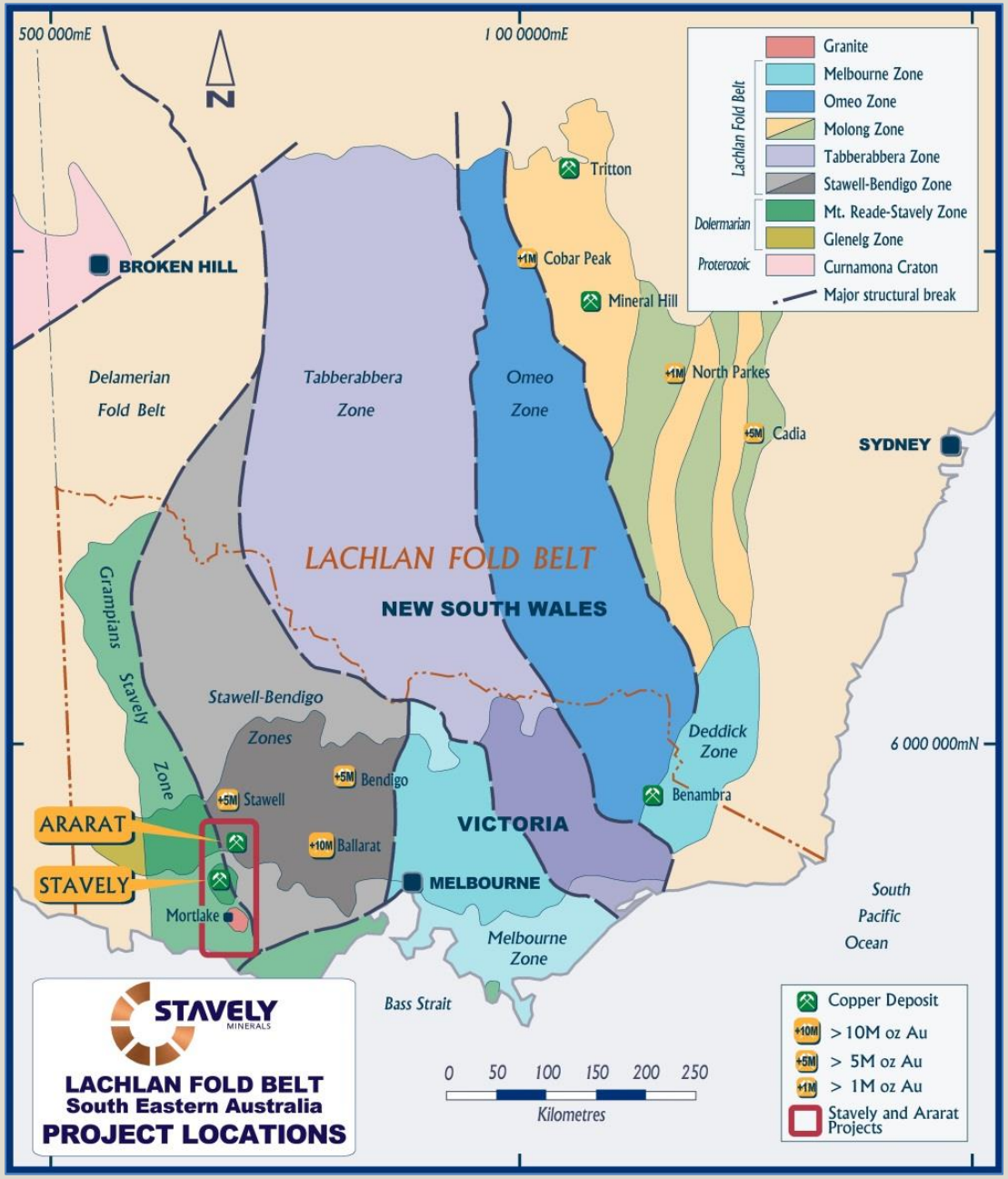
Amanda Sparks
Company Secretary



**$2m share subscription agreement with Titeline Drilling Pty Ltd announced to the ASX on 7 October 2014*

PROJECTS

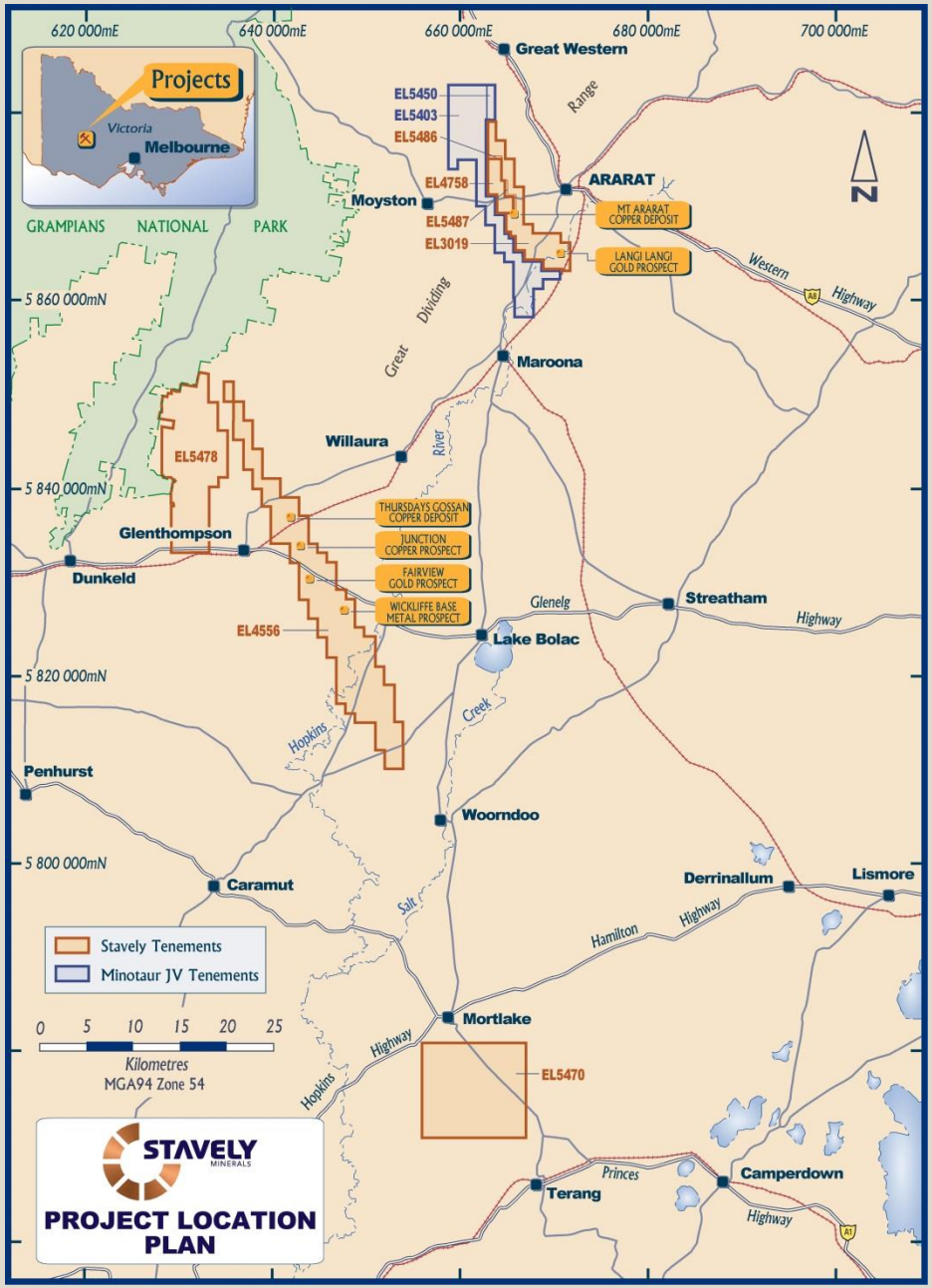
PROJECT LOCATION



The Ararat Project is in the Moornambool Metamorphic Complex and is prospective for VMS base metals-gold and ‘Stawell-style’ gold mineralisation.

The Mount Stavely Volcanic Complex is prospective for ancient porphyry copper-gold, VMS base metals-gold and intrusive related gold mineralisation.

PROJECT LOCATION



415 square kilometres of Stavely Minerals tenure

72 square kilometres of JV tenure

MINERAL RESOURCES[1]

At the Ararat Project, hosted in a Besshi-style VMS:

- Inferred Mineral Resources of 1.3Mt at 2.0% copper, 0.5 g/t gold, 0.4% zinc and 6 g/t silver for 30kt of contained copper

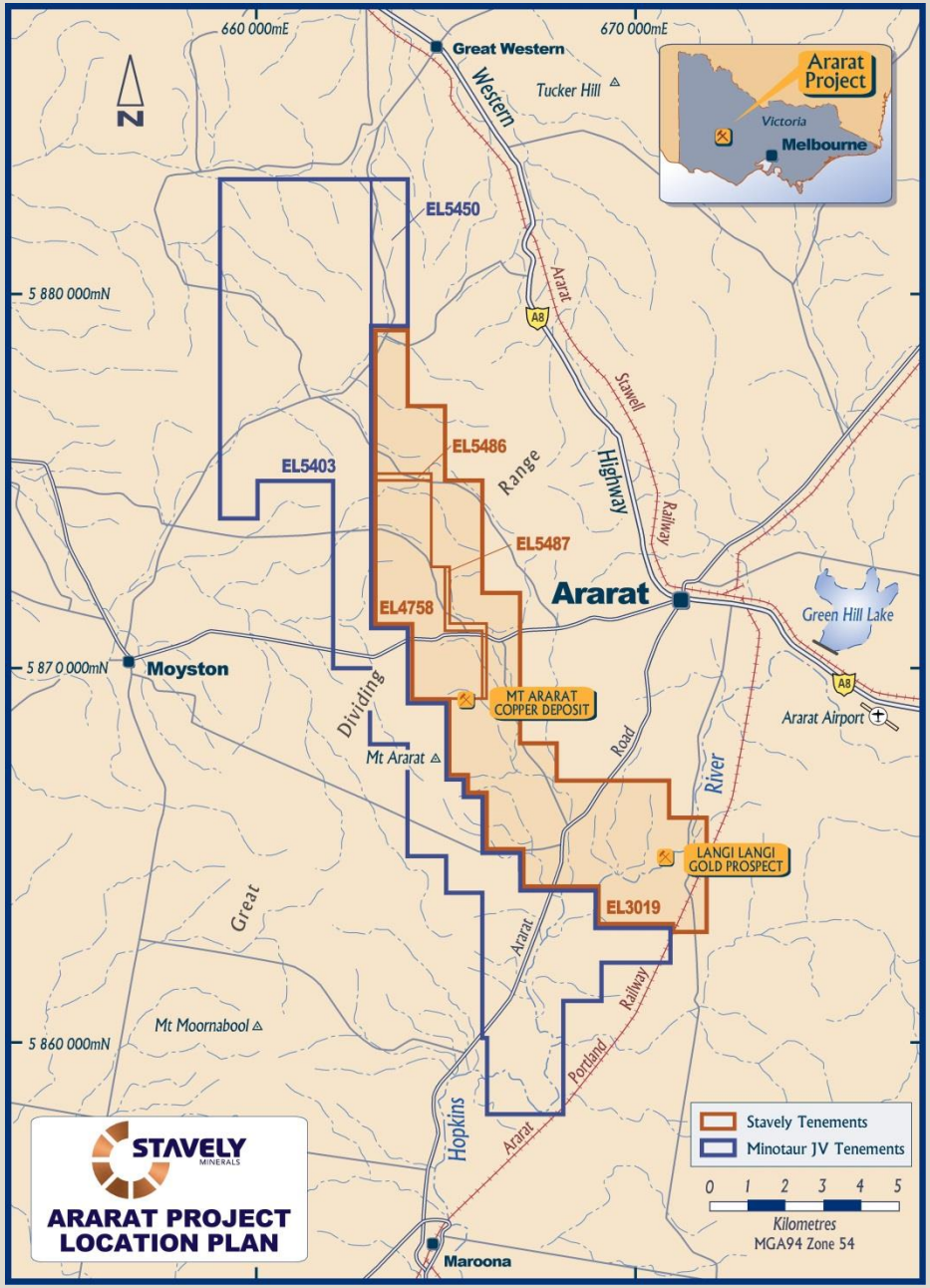
At the Stavely Project hosted in a secondary chalcocite-enriched blanket:

- Inferred Mineral Resources of 28Mt at 0.4% copper for 110kt of contained copper

[1] reported in compliance with JORC 2012, see ASX announcement 8 September 2015 and available from www.stavely.com.au

ARARAT PROJECT

ARARAT PROJECT

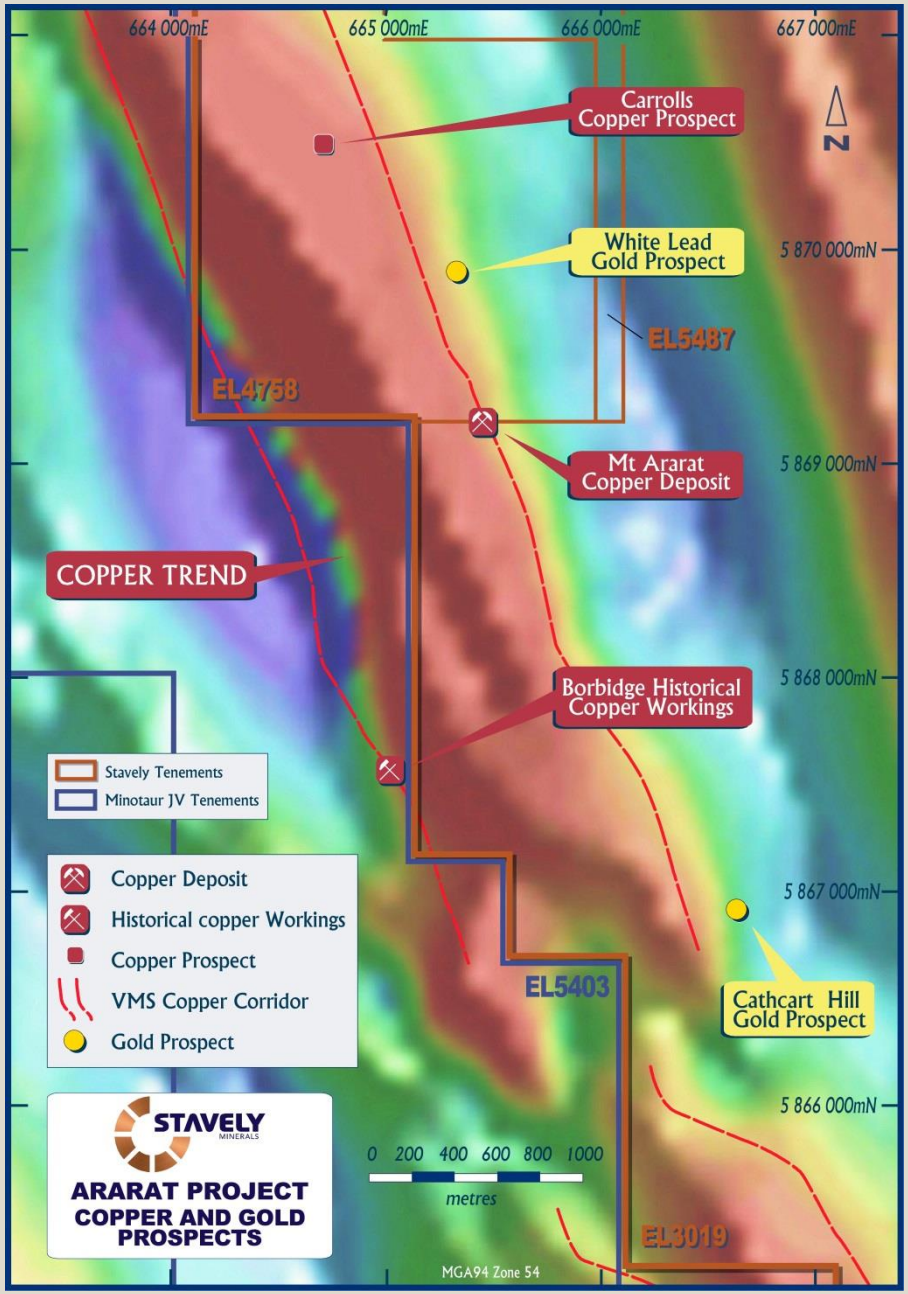


Hosts the:

Mt Ararat Besshi-style copper-gold VMS

and ‘Stawell-style’ gold targets

ARARAT PROJECT



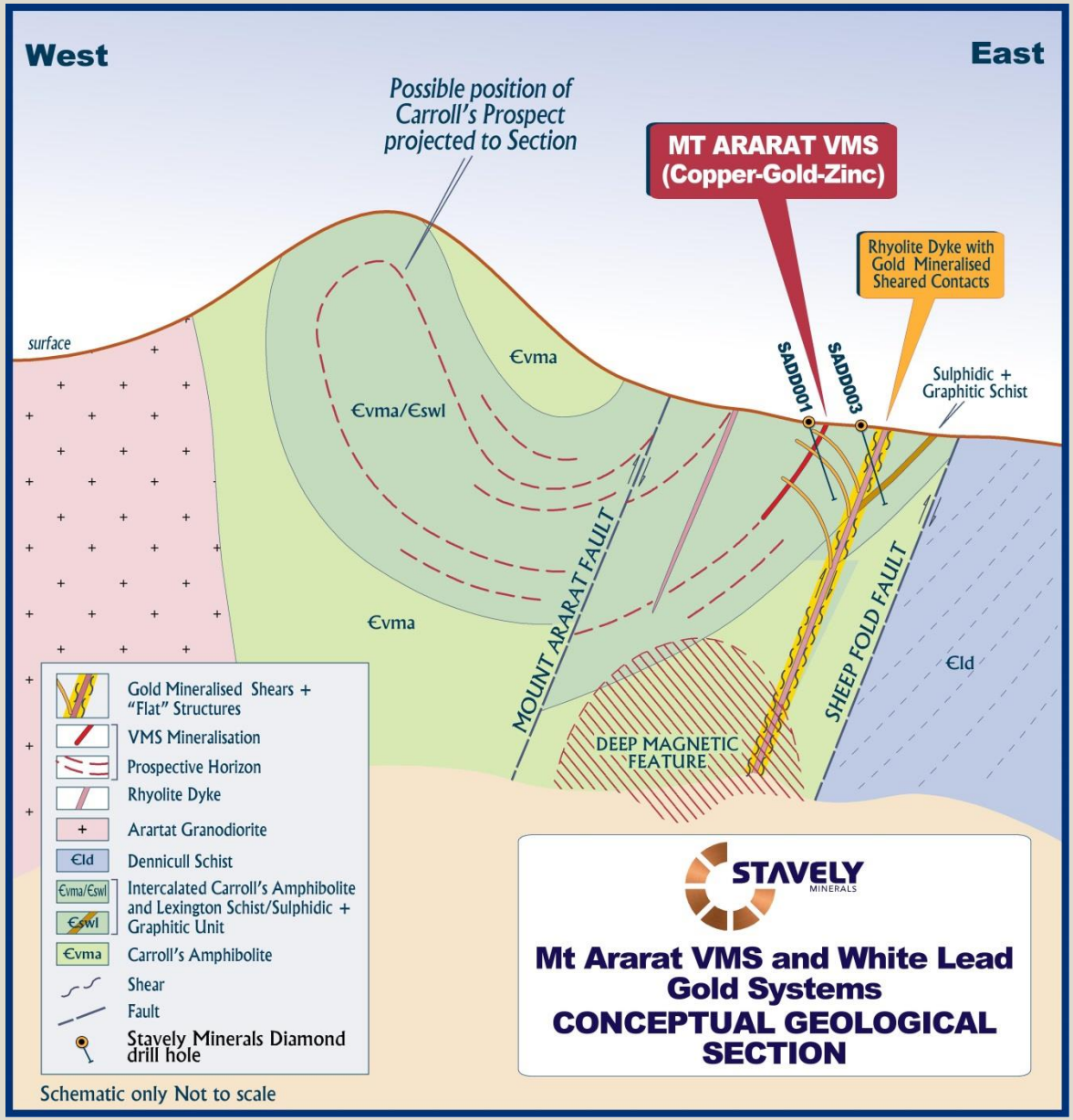
- ✓ Prospective VMS copper gold horizon extends over 15 kilometres within Stavely Minerals tenements.
- ✓ Recent reconnaissance exploration has confirmed the horizon is up to 1km wide
- ✓ ‘Stawell-style’ gold / arsenic anomalies along 4-5km of strike and open to north and south

ARARAT PROJECT

Conceptual Model

- Multiple VMS target horizons – circa 530Ma age
- Steep west dipping gold feeder structures and shallow east-dipping horse-tail splays – circa 425Ma age

[1] see ASX announcement dated 6 July 2015 and available from www.stavely.com.au

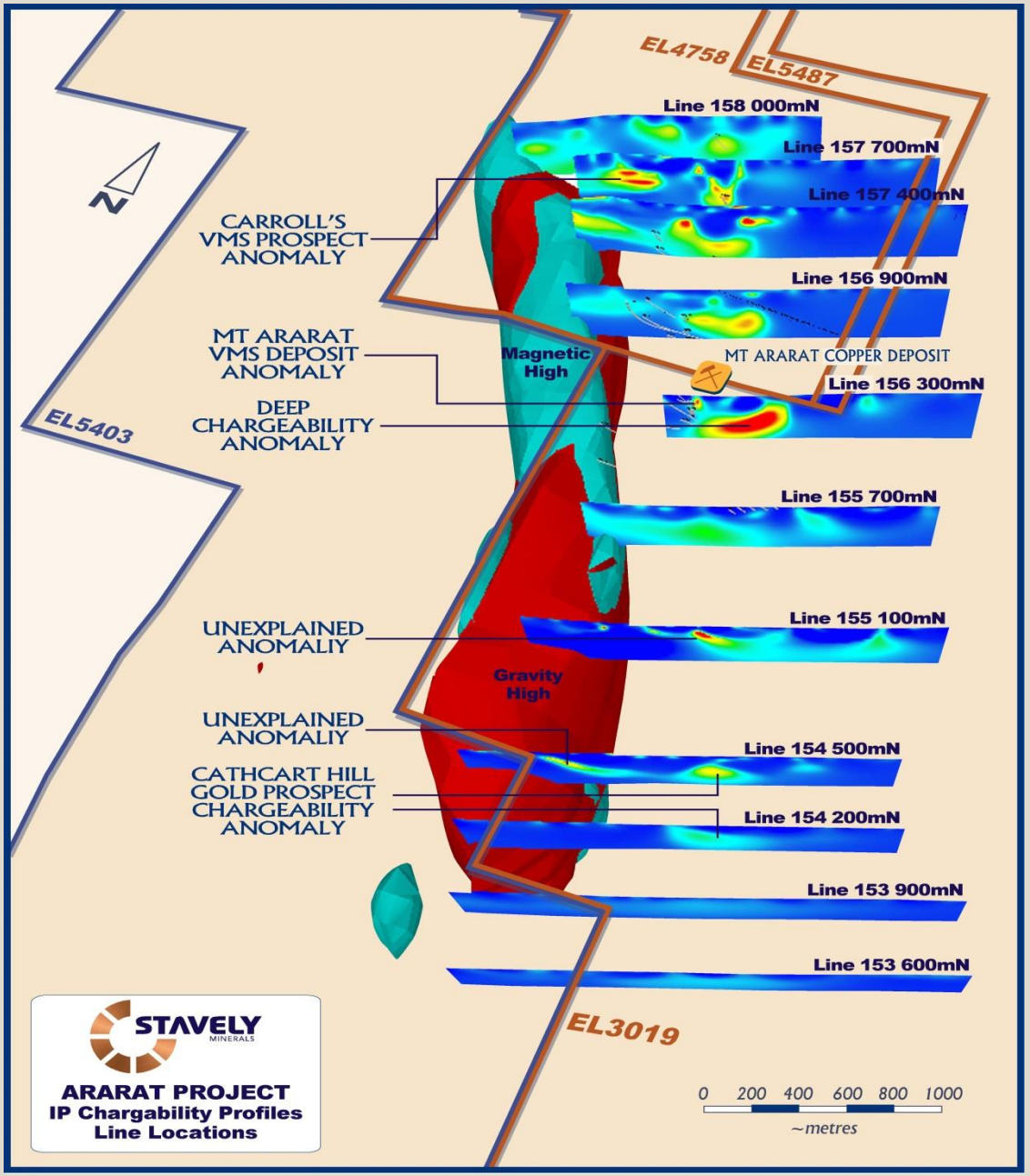


ARARAT PROJECT

Regional Geophysics

- Recent gravity survey has provided important information on the structural architecture and deep rock types
- Recent regional Induced Polarisation (IP) survey has highlighted multiple VMS and gold targets

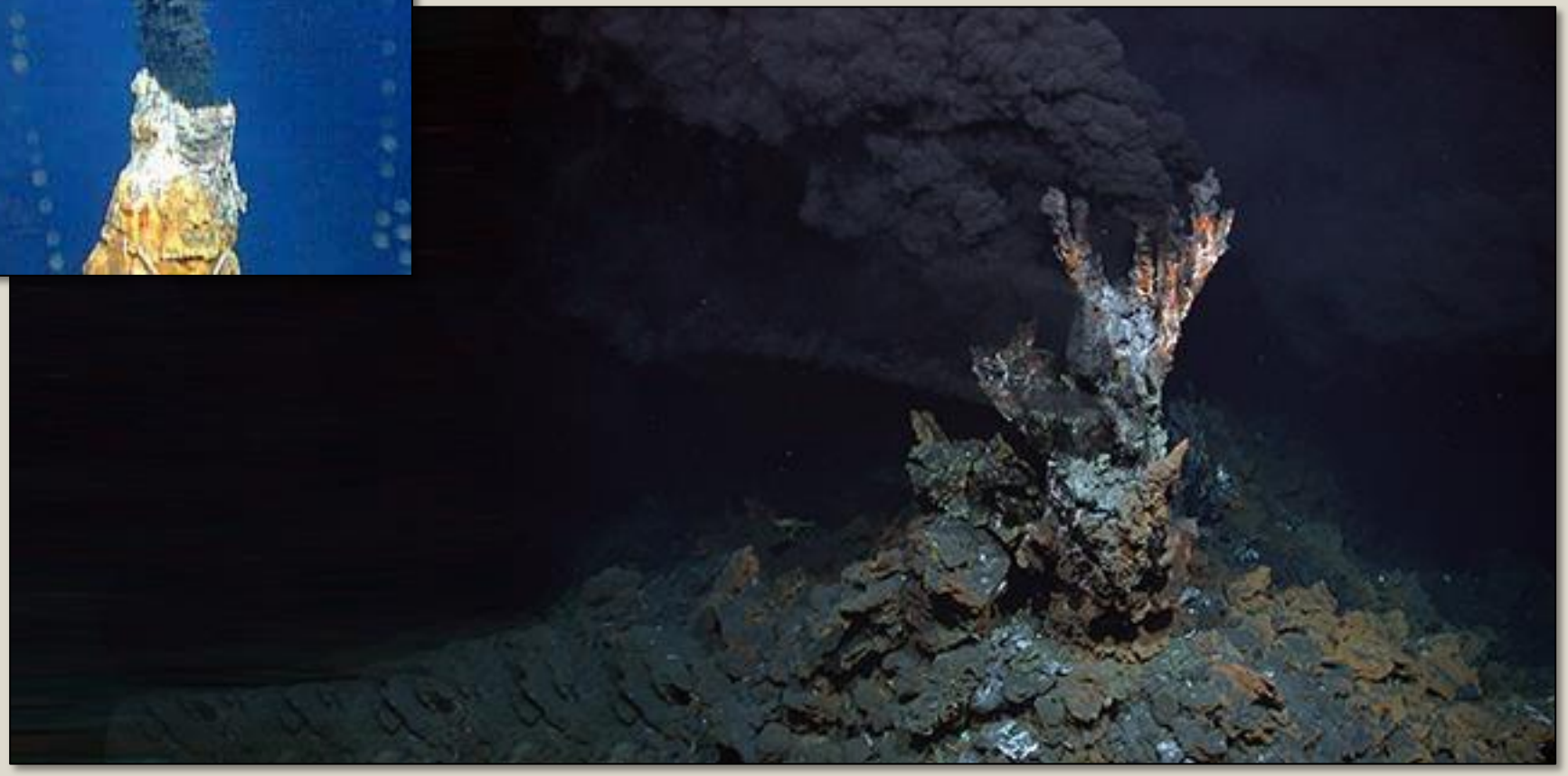
[1] see ASX announcement dated 25 September 2015 and available from www.stavely.com.au



MOUNT ARARAT VMS

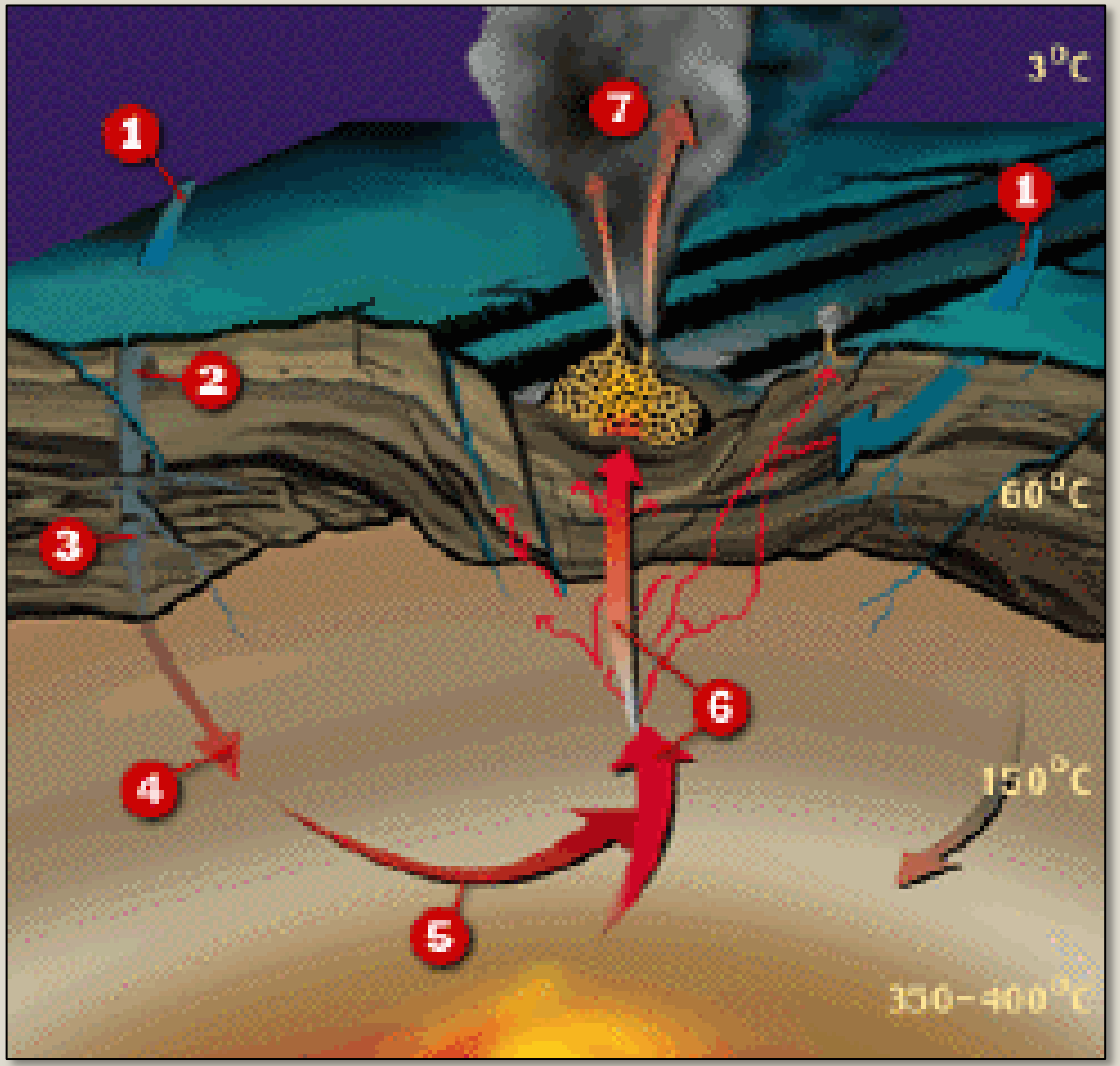
ARARAT PROJECT

Mt Ararat Besshi-style copper-gold VMS is an ancient sea-floor ‘black smoker’



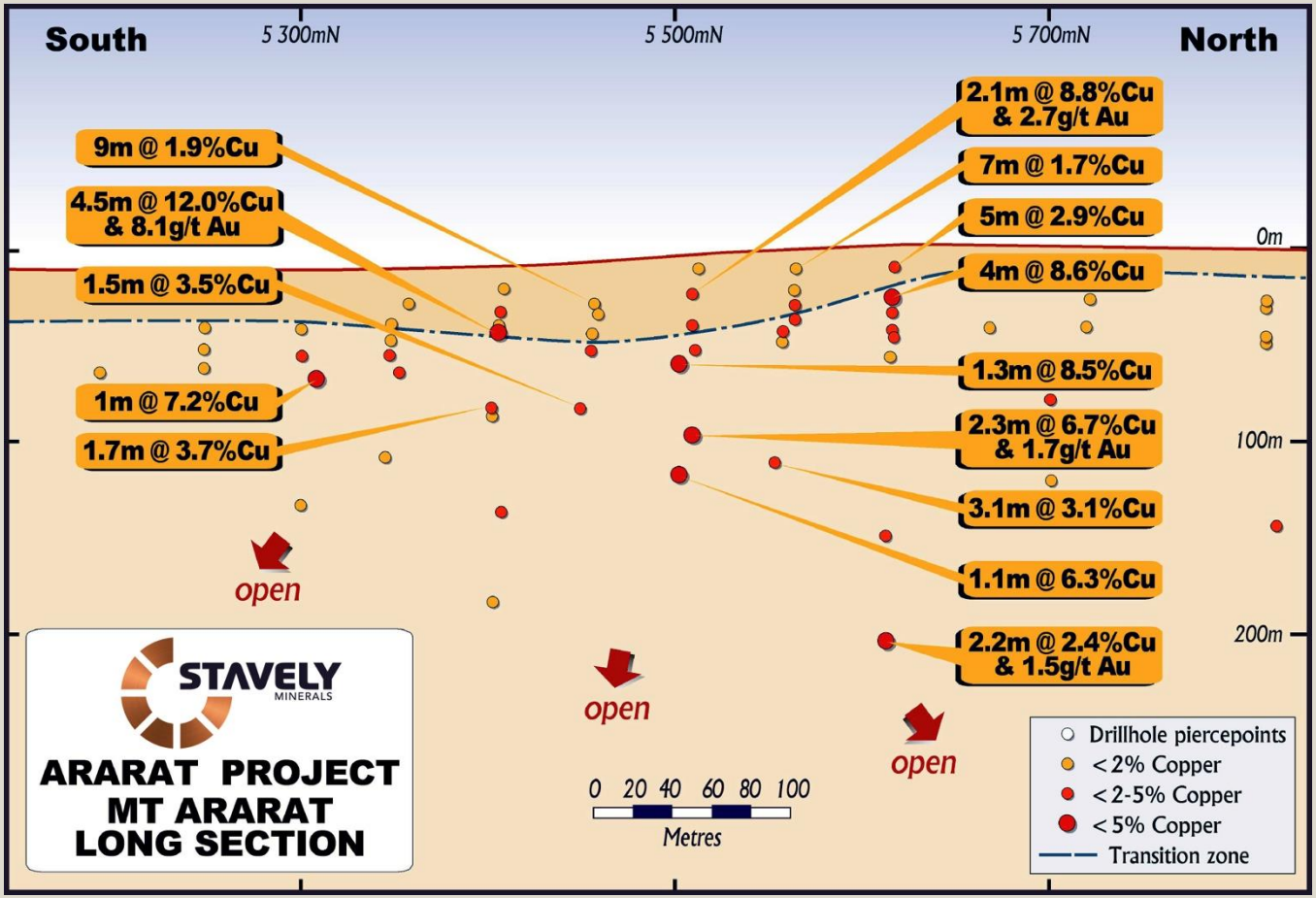
ARARAT PROJECT

Mt Ararat Besshi-style copper-gold VMS is an ancient sea-floor ‘black smoker’ – they tend to occur in clusters of typically 6-8 deposits



ARARAT PROJECT

- Mt Ararat Besshi-style VMS – Inferred Mineral Resource of 1.3Mt at 2.0% copper, 0.5g/t gold, 0.4% zinc and 6g/t silver
- The Degrussa deposit is considered a Besshi-style VMS
- Open at depth and along strike



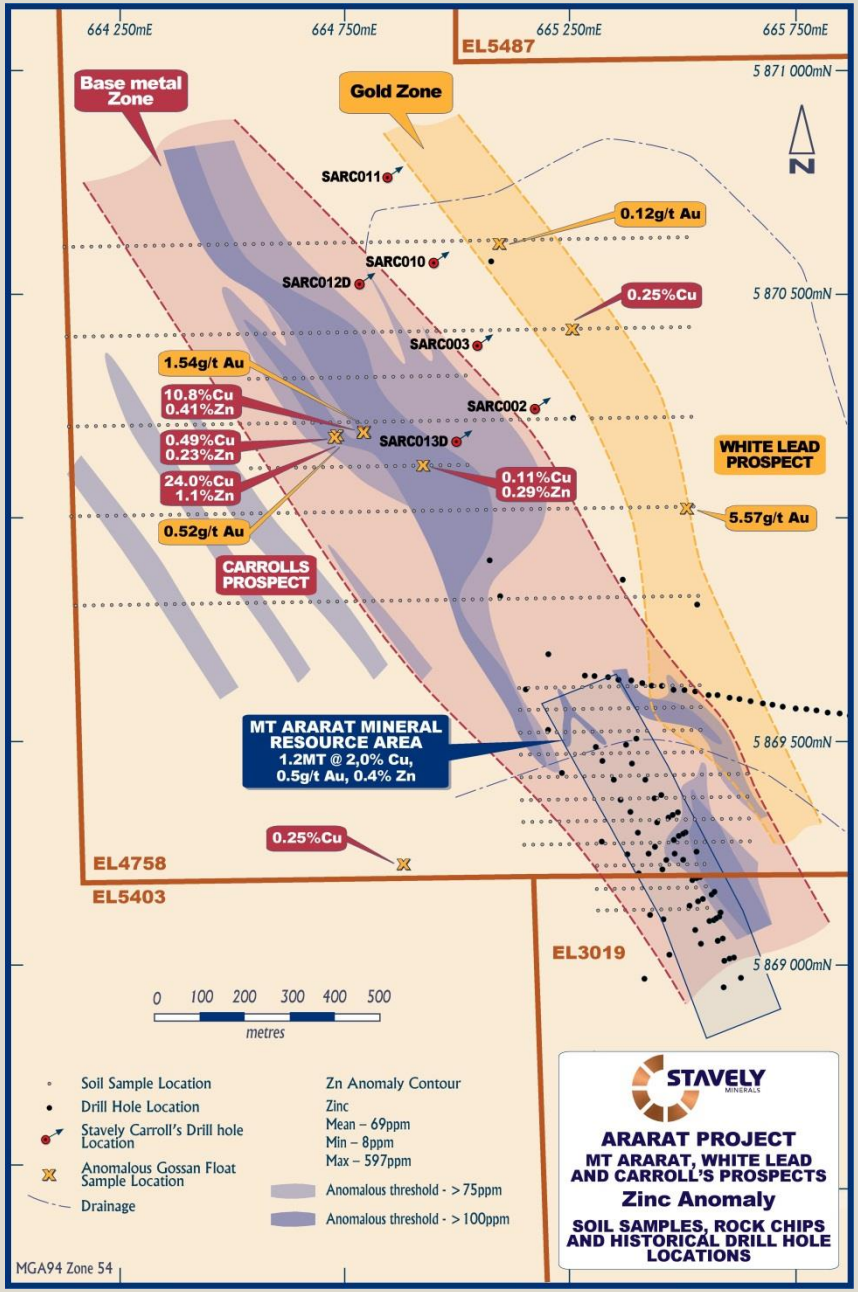
ARARAT PROJECT

Carroll's Prospect Geochemistry

Multiple mineralised horizons confirmed with Carroll's Copper prospect re-discovered with rock-chip results including:

- 10.8% copper, 0.41% Zn and 1.5g/t gold
- 24% copper, 1.1% zinc and 0.52g/t gold

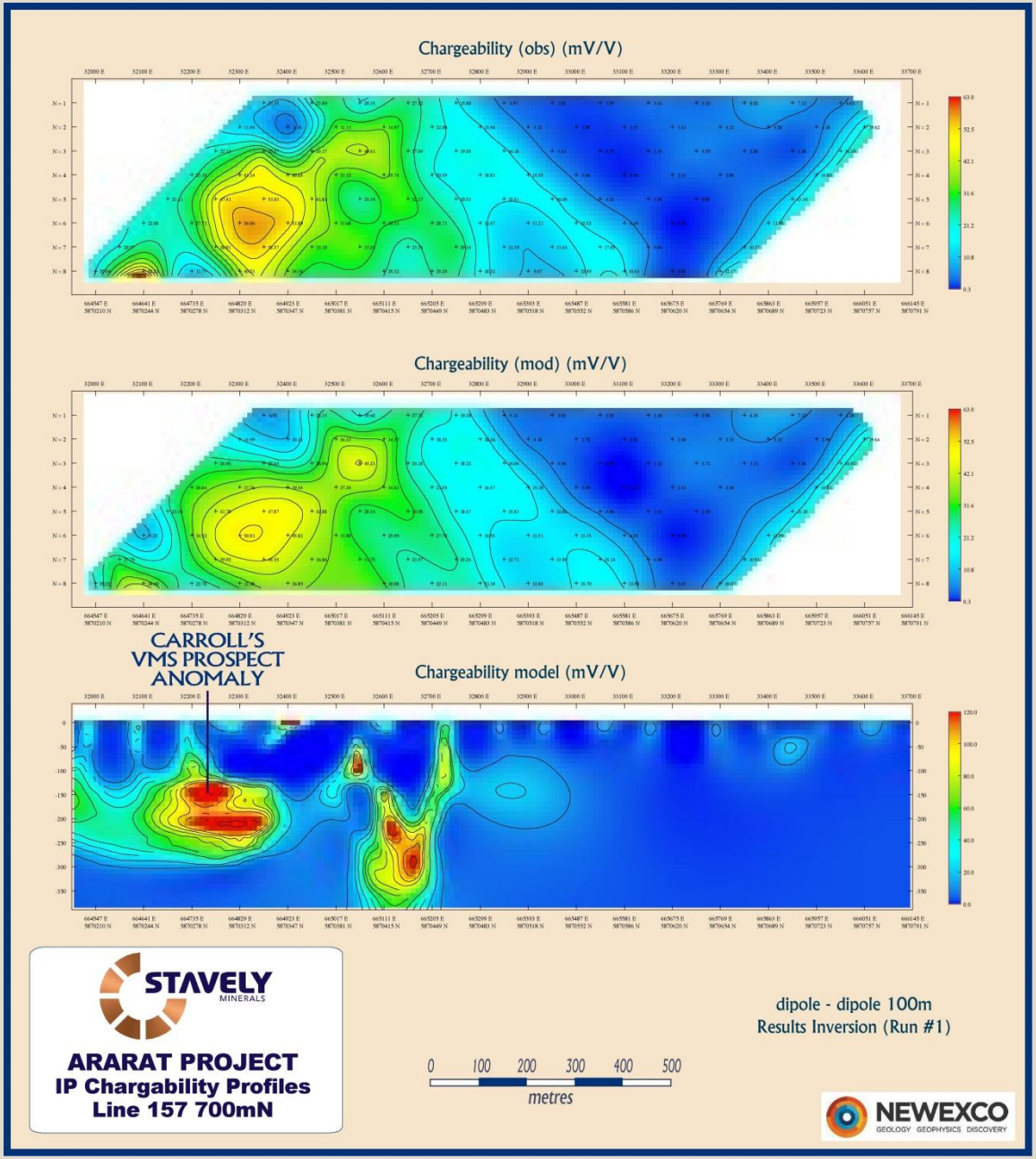
[1] see ASX announcement dated 8 May 2015 and available from www.stavely.com.au



ARARAT PROJECT

Carroll's Prospect Geophysics

Very strong IP chargeability anomaly coincident with soil zinc-copper geochemical anomaly and in-situ rock chips to 10.8% copper and 1.5g/t gold



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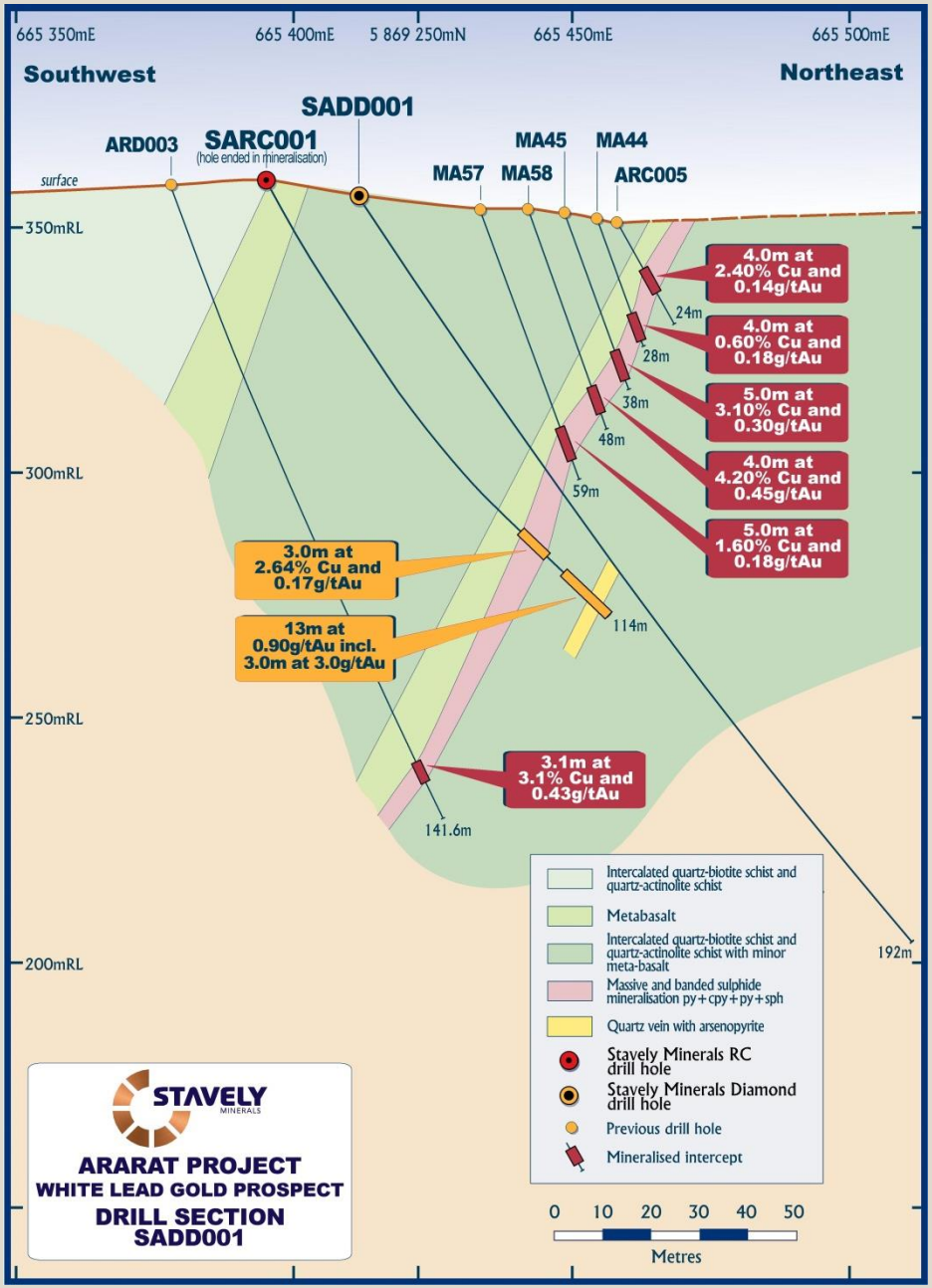
ARARAT PROJECT



Stawell-style gold potential

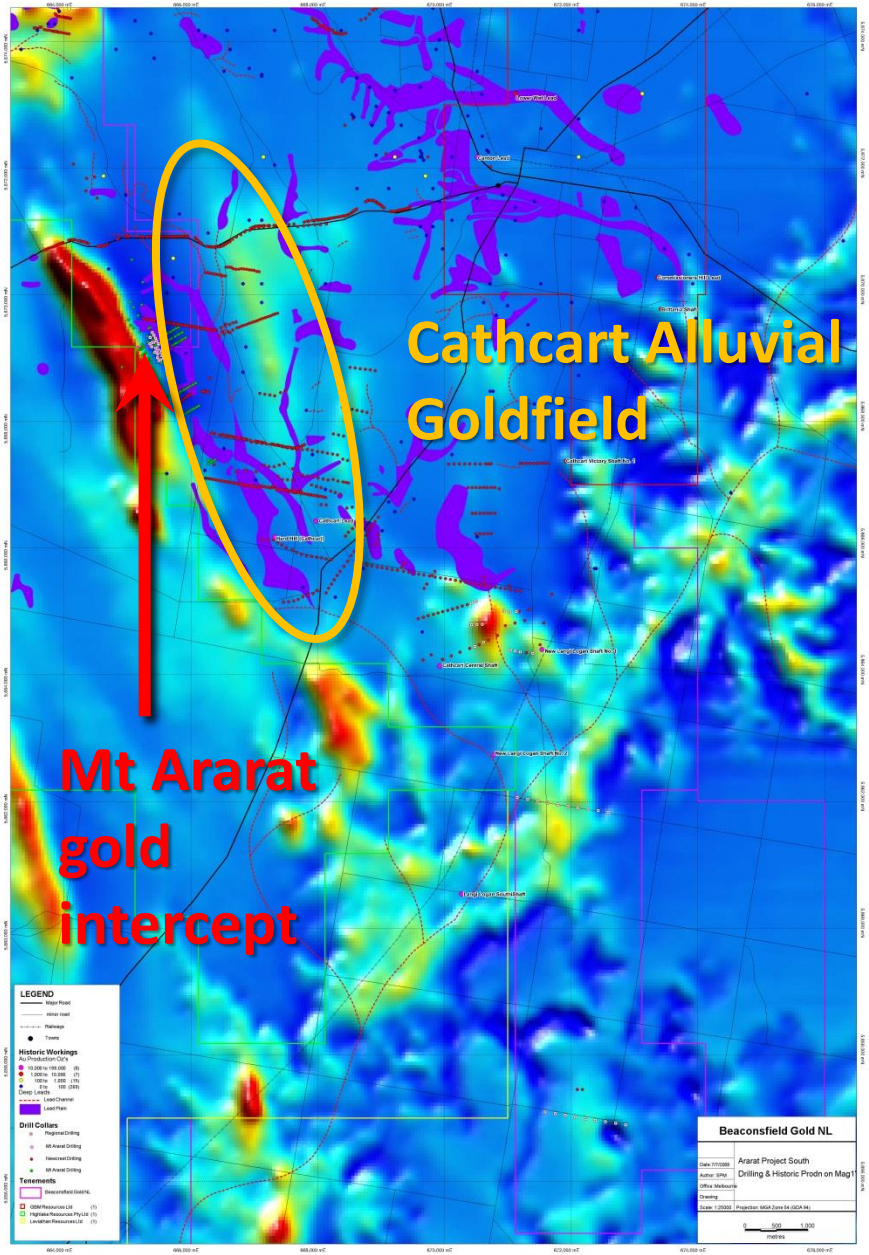
Unexpectedly, drill hole SARC001 also intersected 13m at 1g/t gold (to EoH) including a significant higher grade zone of:

- 3m at 3.04 g/t gold

3 follow-up diamond drill holes completed

[1] see ASX announcement dated 10 September 2014 and available from www.stavely.com.au

ARARAT PROJECT



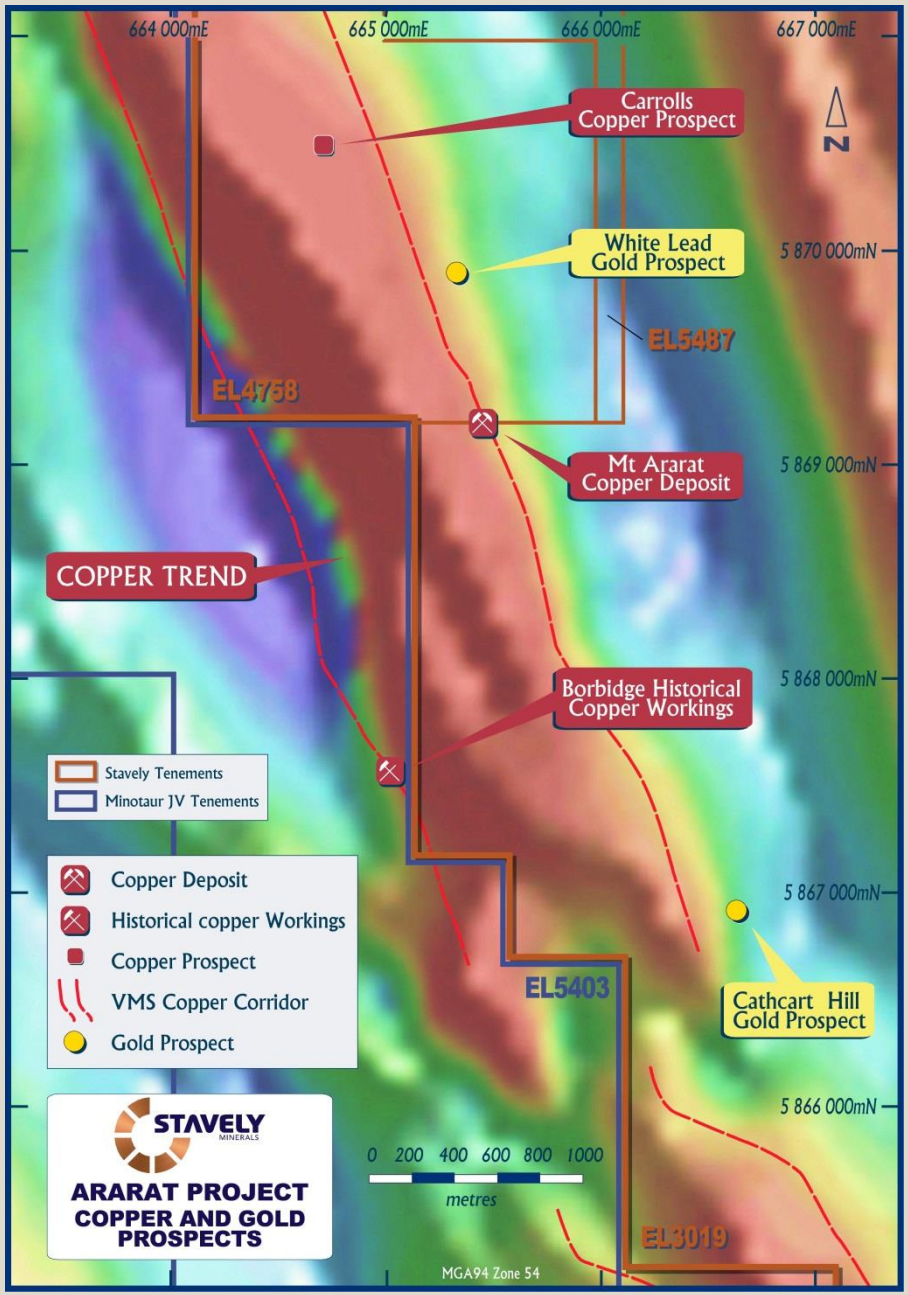
Stawell-style gold potential

- The Ararat goldfield produced ~640,000oz from alluvials and deep leads
- No hardrock source identified.

ARARAT GOLDFIELD

Stawell-style gold potential– Two new gold prospects identified in soil sampling

- Cathcart Hill
- White Lead

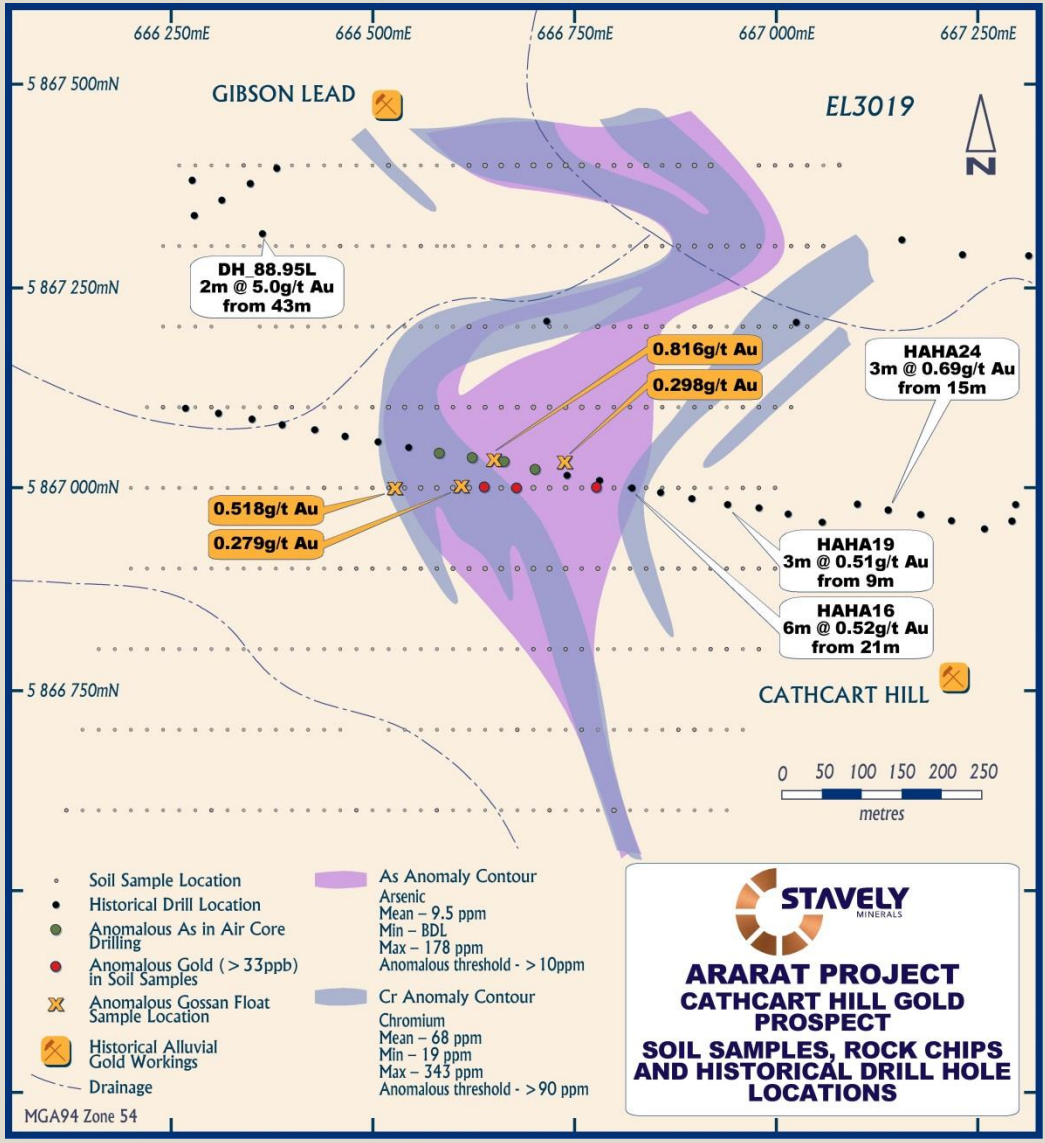


ARARAT PROJECT

Cathcart Hill Gold Prospect

- Newly discovered gold prospect
- Arsenic, chromium ('Stawell-signature') soil anomaly 800m long and open to the north and south
- Soils to 622ppb, 447ppb and 426ppb amongst other strongly anomalous results.
- Rock-chips of 'pseudo-gossan' to 0.8g/t gold
- Nearby diamond drill hole intercept 2m at 5g/t gold

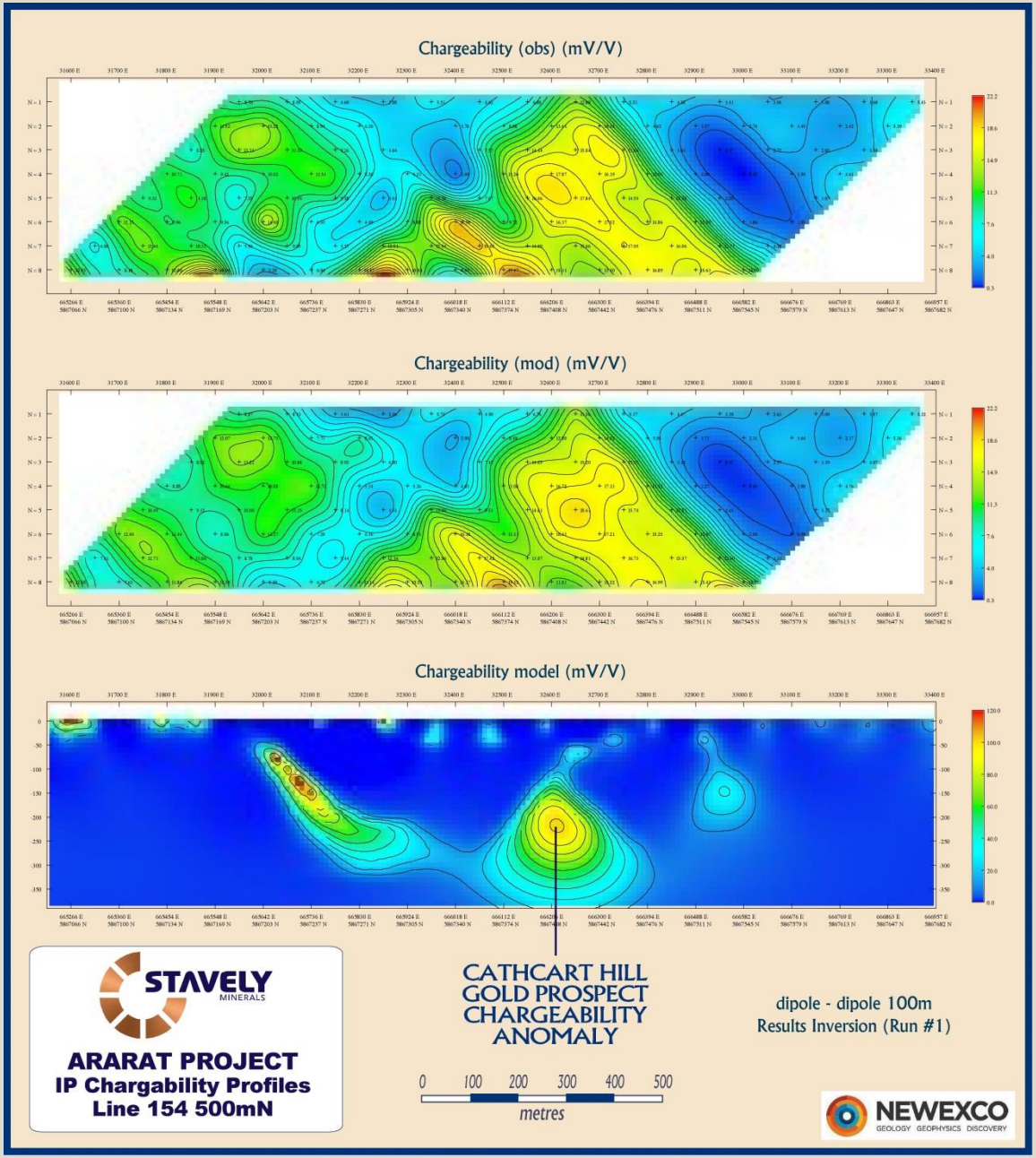
[1] see ASX announcement dated 29 April 2014 and available from www.stavely.com.au



ARARAT PROJECT

Cathcart Hill Geophysics

Strong IP chargeability anomaly coincident with gold-arsenic-chrome geochemical anomaly – Stawell-style signature



[1] see ASX announcement dated 25 September 2015 and available from www.stavely.com.au

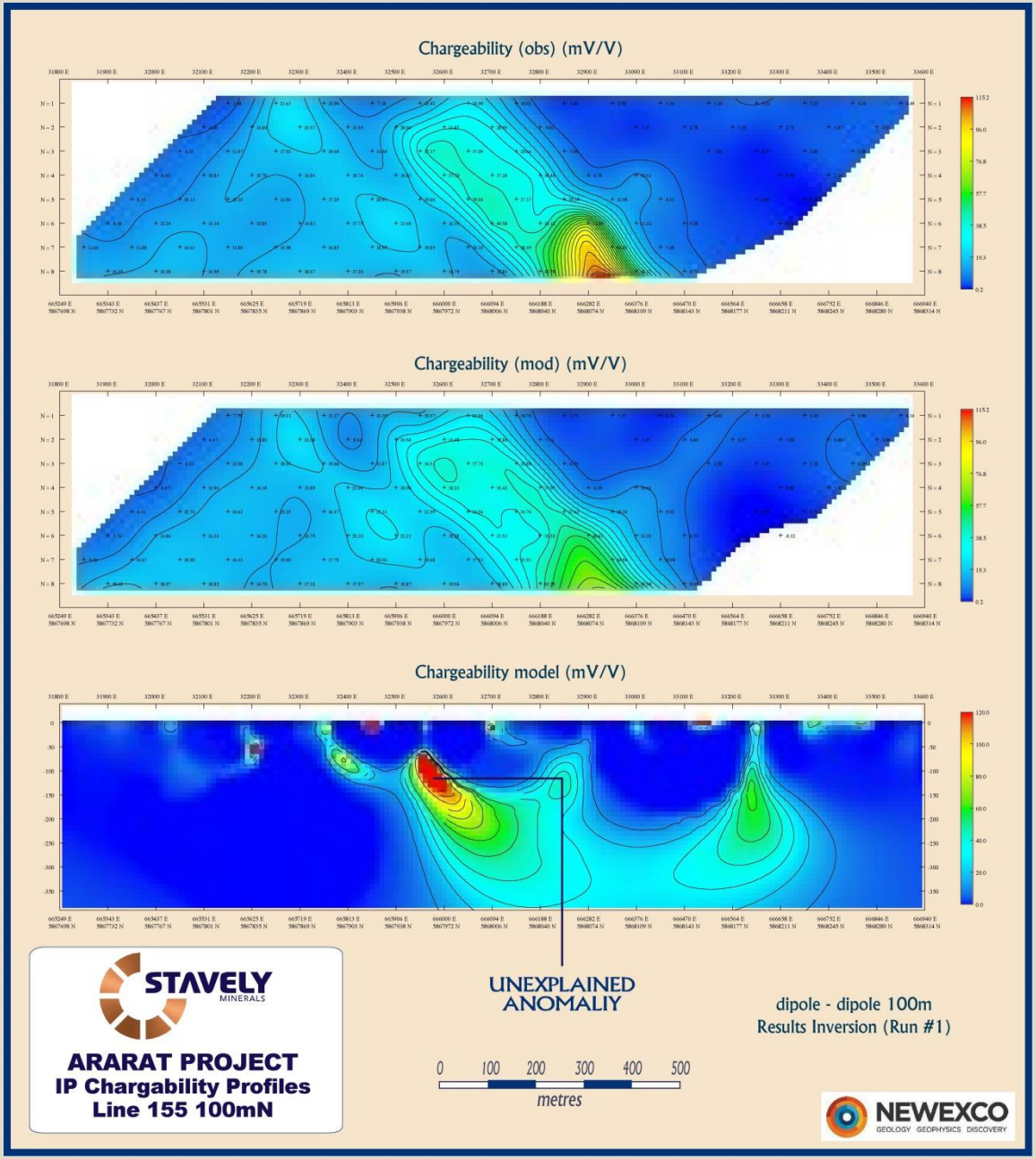
ARARAT PROJECT

Other Geophysical Anomalies

Strong IP chargeability anomalies with shallow east dip consistent with the geometries observed in recent gold drill intercepts:

- ✓ 2m at 6.34g/t gold including:
- ✓ 1m at 11.3g/t gold

[1] see ASX announcement dated 25 September 2015 and available from www.stavely.com.au



ARARAT PROJECT

Regional Geophysics

- Recent gravity survey ahs provided important information on the architecture and deep rock types

- Recent regional Induced Polarisation (IP) survey has highlighted multiple VMS and gold targets

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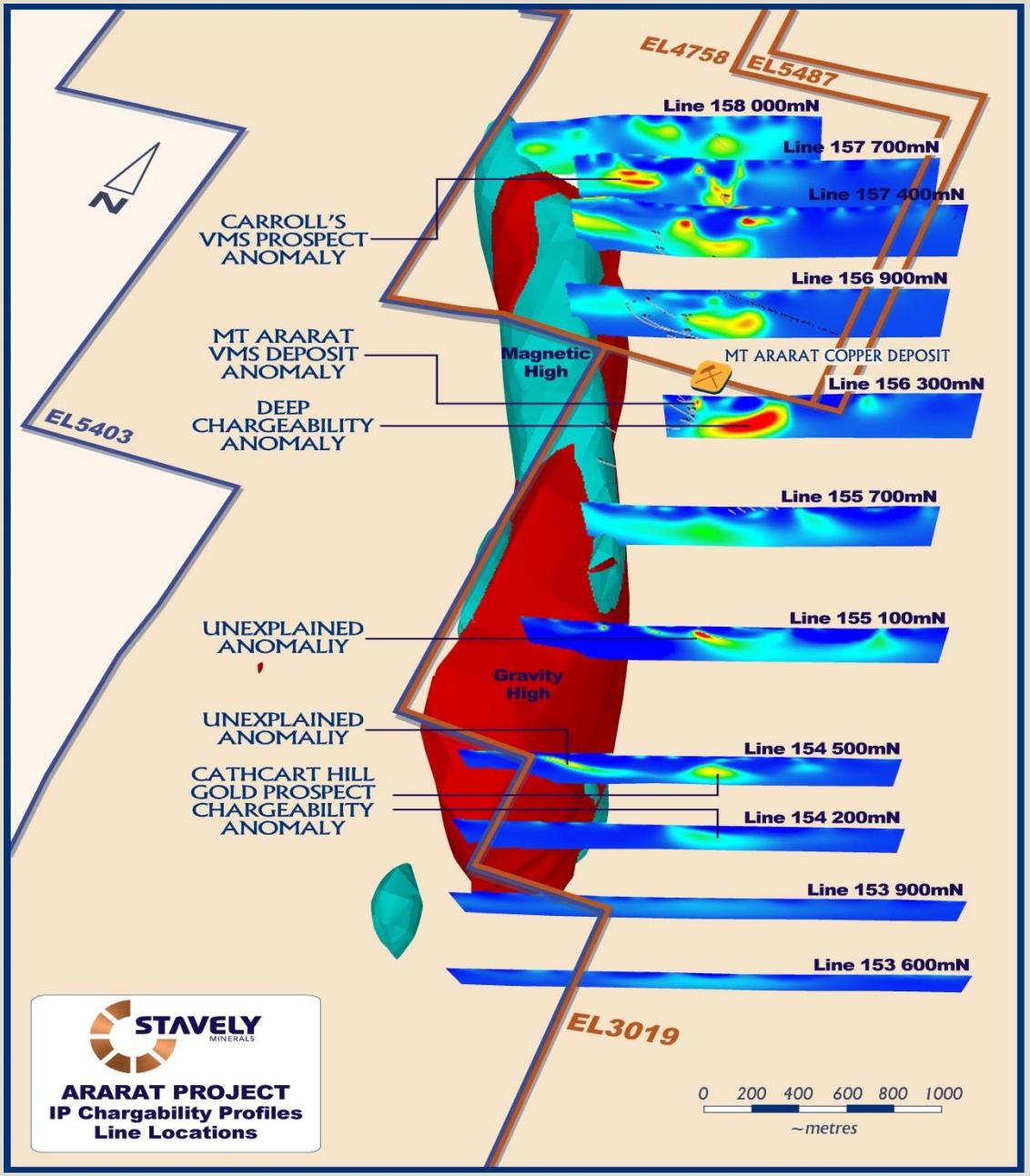

STAVELY PROJECT

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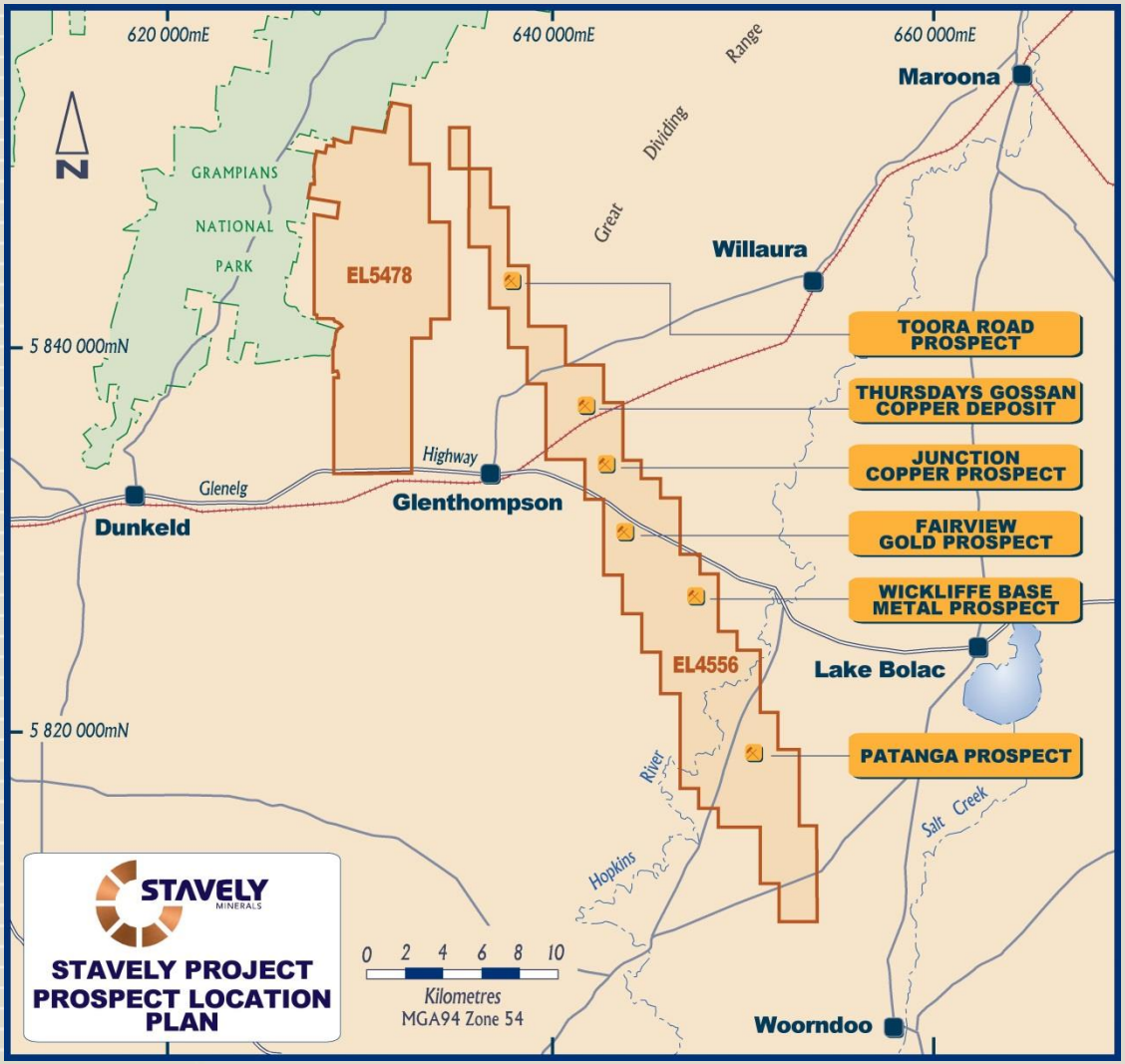
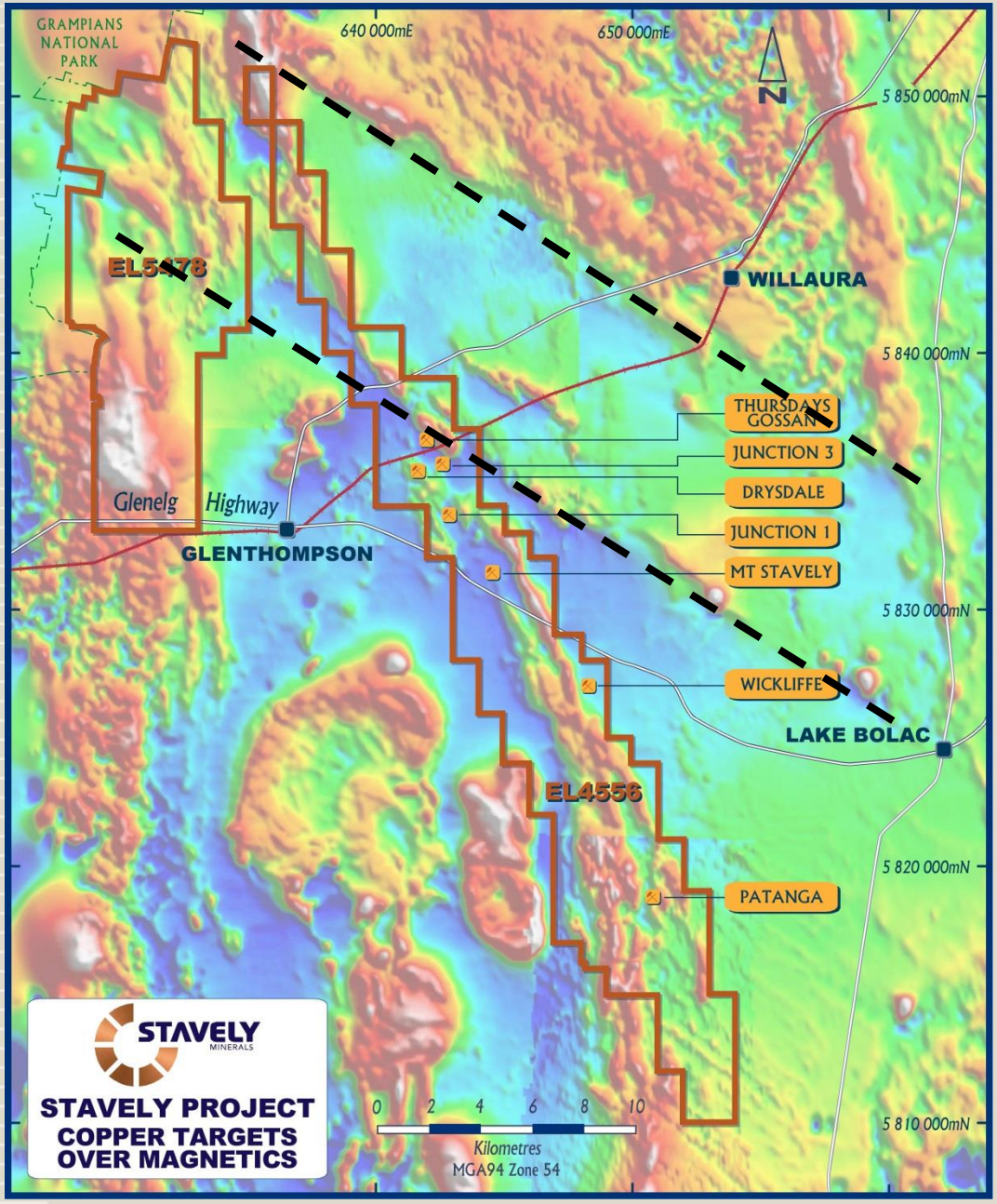


- Thursday's Gossan chalcocite enriched blanket – Inferred Mineral Resource of 28Mt at 0.4% copper containing 107kt copper
- Thursday's Gossan porphyry
- Junction porphyry
- Fairview Gold prospect
- Wickliffe VMS prospect
- Patanga porphyry prospect

STAVELY PROJECT



Similar structural setting to Cadia Valley

- ~N-S trending volcanic belt
- Major NW trending structures

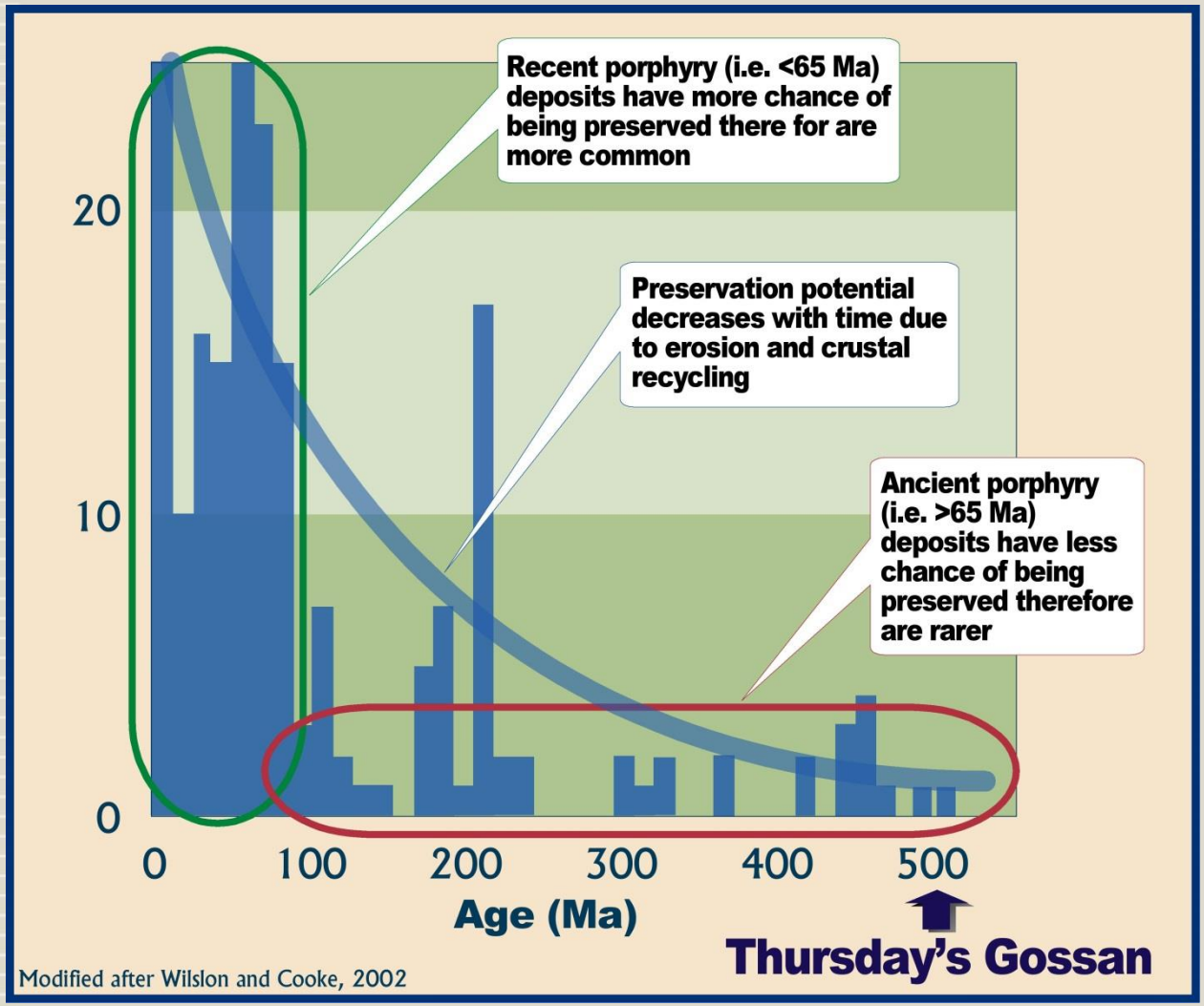
STAVELY PROJECT

Why look for porphyries in western Victoria?

- Porphyries are large metal systems with a well understood alteration zonation typically an order of magnitude larger than the deposit itself – ie. The 'hydrothermal system' has a large footprint that has a recognisable zonation from cooler outer alteration to hotter inner alteration
- There are several types of porphyries – copper, copper-molybdenum, copper-gold, molybdenum etc
- Many are operated as large open pits but a special class are attractive as underground 'block cave' operations – those deposits are alkalic copper-gold porphyries typically with higher copper and/or gold grades and this is what we are looking for!

STAVELY PROJECT

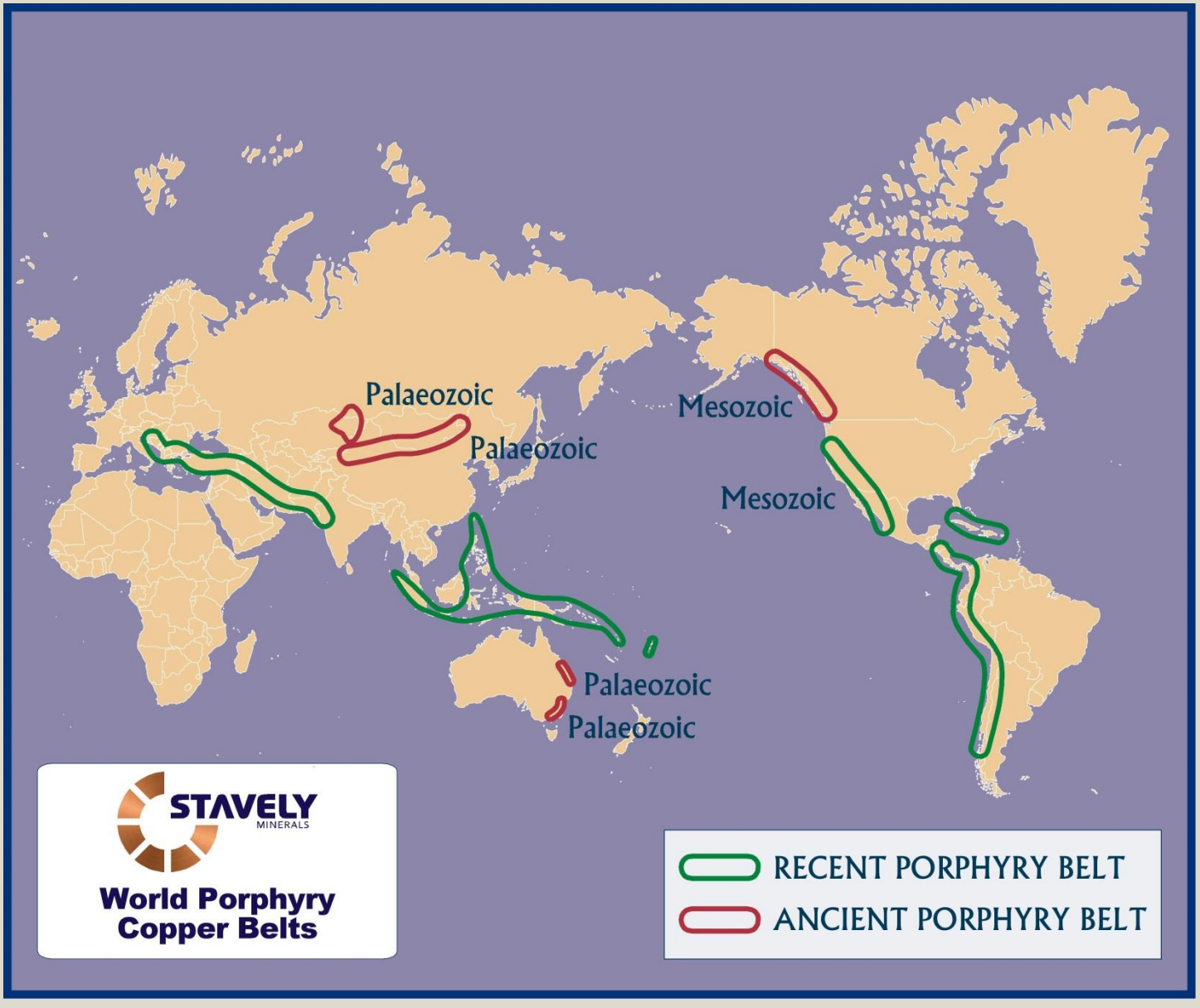
Why look for porphyries in western Victoria?



- Porphyry deposit examples from as early as Archaean age
- Likelihood of porphyry deposit preservation decreases with age due to erosion and crustal recycling

STAVELY PROJECT

Why look for porphyries in western Victoria?



STAVELY PROJECT

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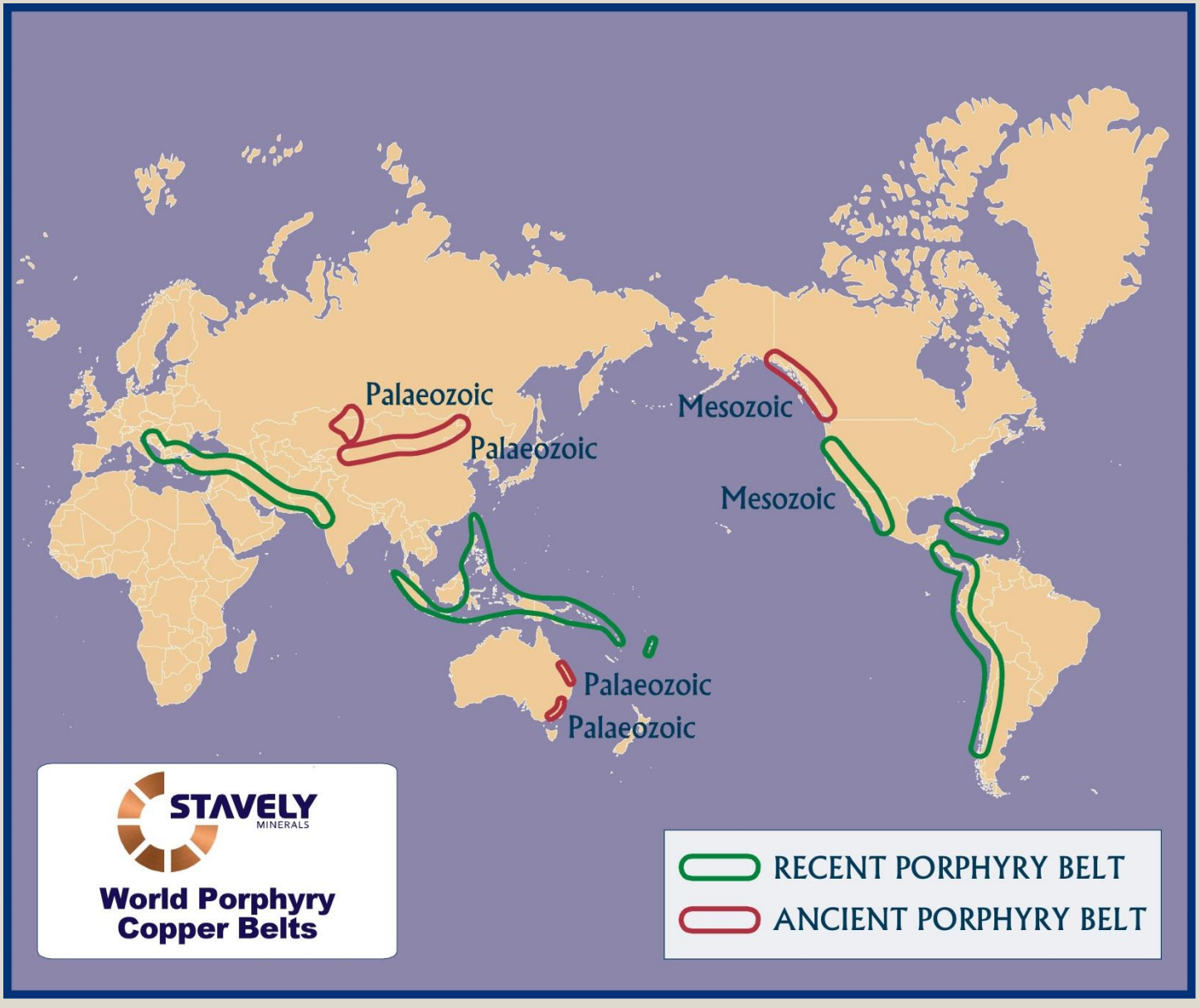

STAVELY PROJECT

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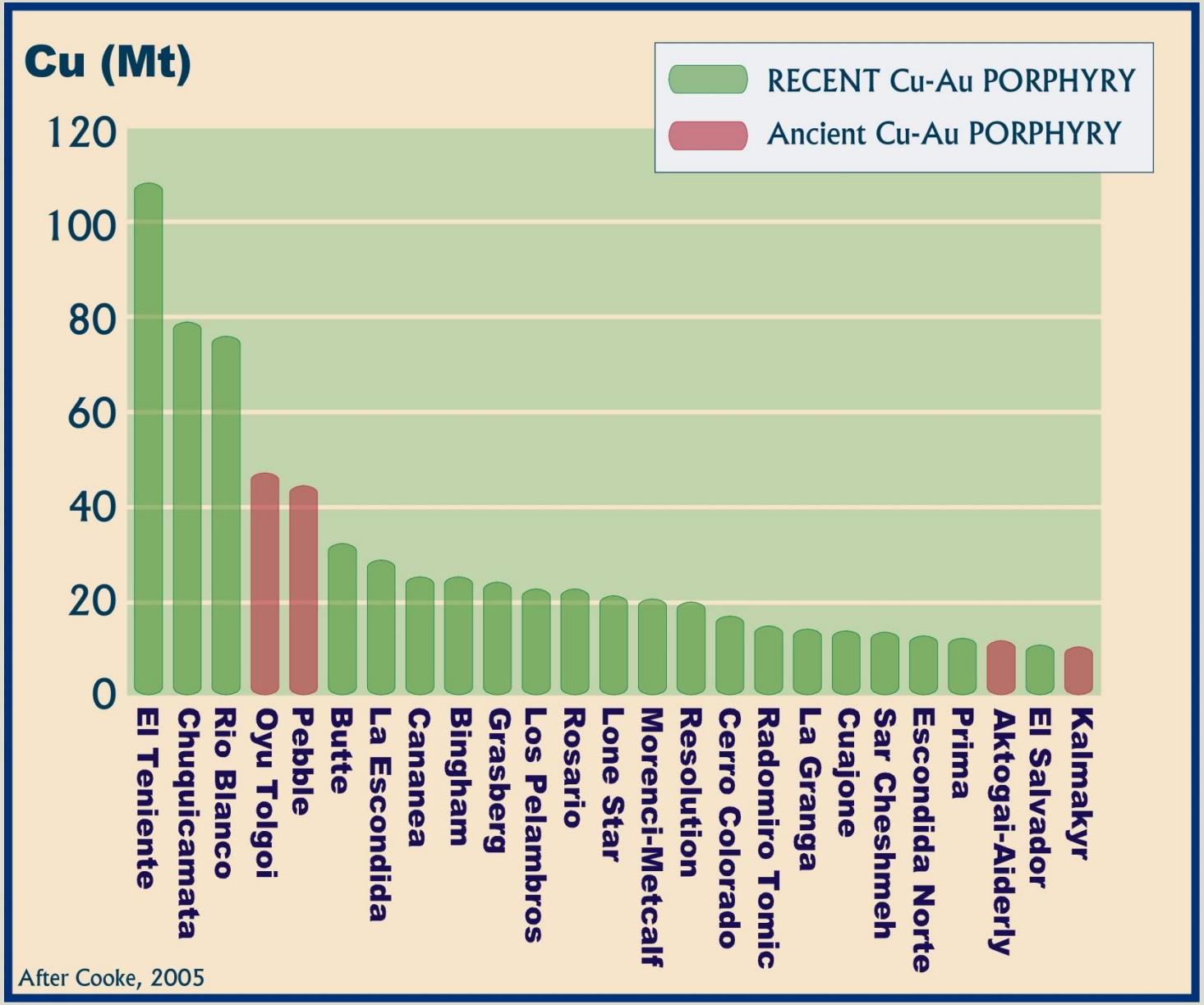

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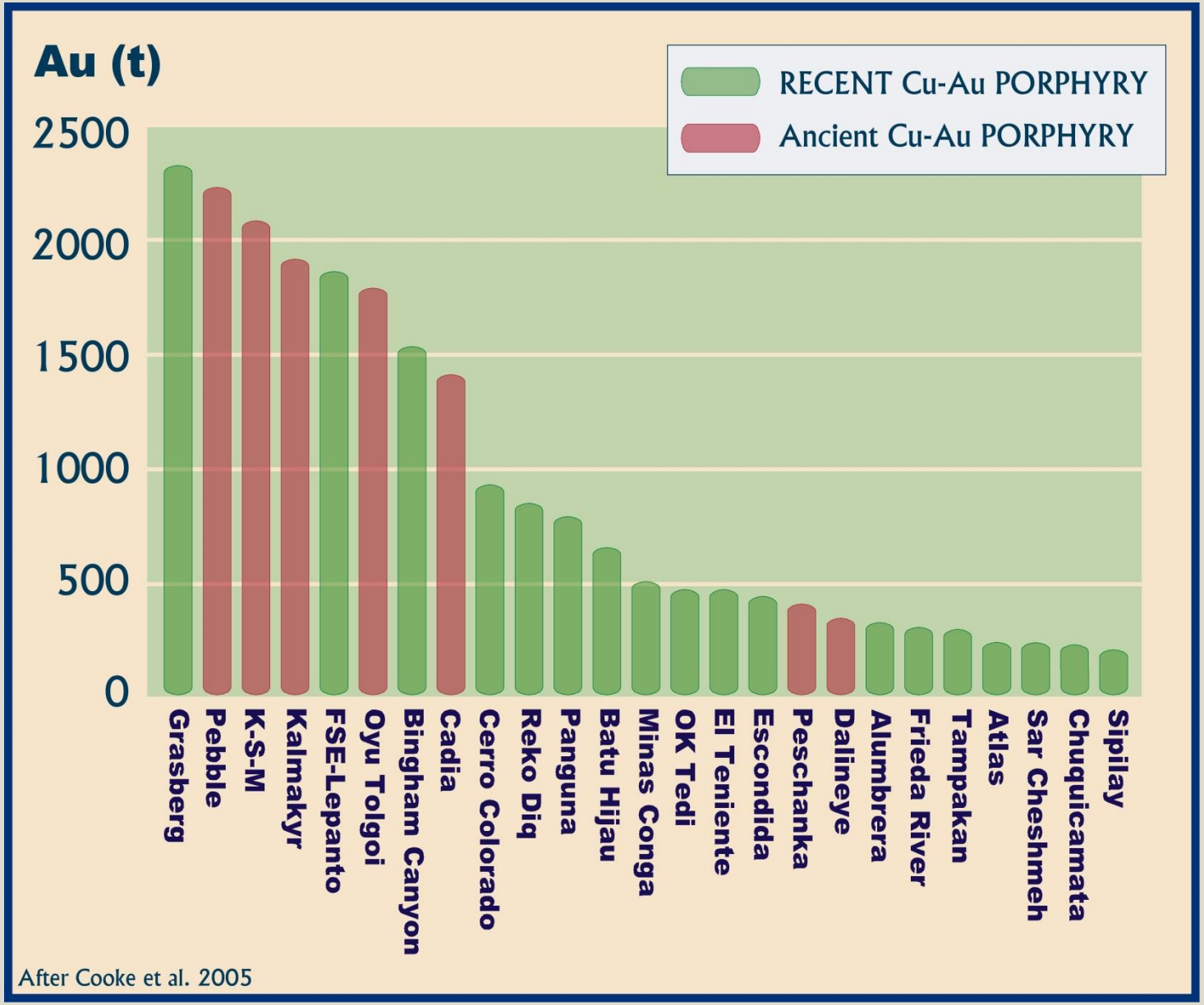


STAVELY PROJECT

Why look for porphyries in western Victoria?

- Despite the reduced likelihood of preservation, the ‘ancient’ porphyries are disproportionately gold-rich
- The better value per tonne allows development by less obtrusive yet very cost-efficient block-cave mining method
- Alkalic porphyries are characteristically smaller spatially, and can have more limited alteration haloes making them a more difficult exploration target
- 7 phases of drilling lead to the discovery of Cadia Ridgeway – initial Mineral Resource:

  44Mt at 2.6 g/t gold and 0.82% copper*

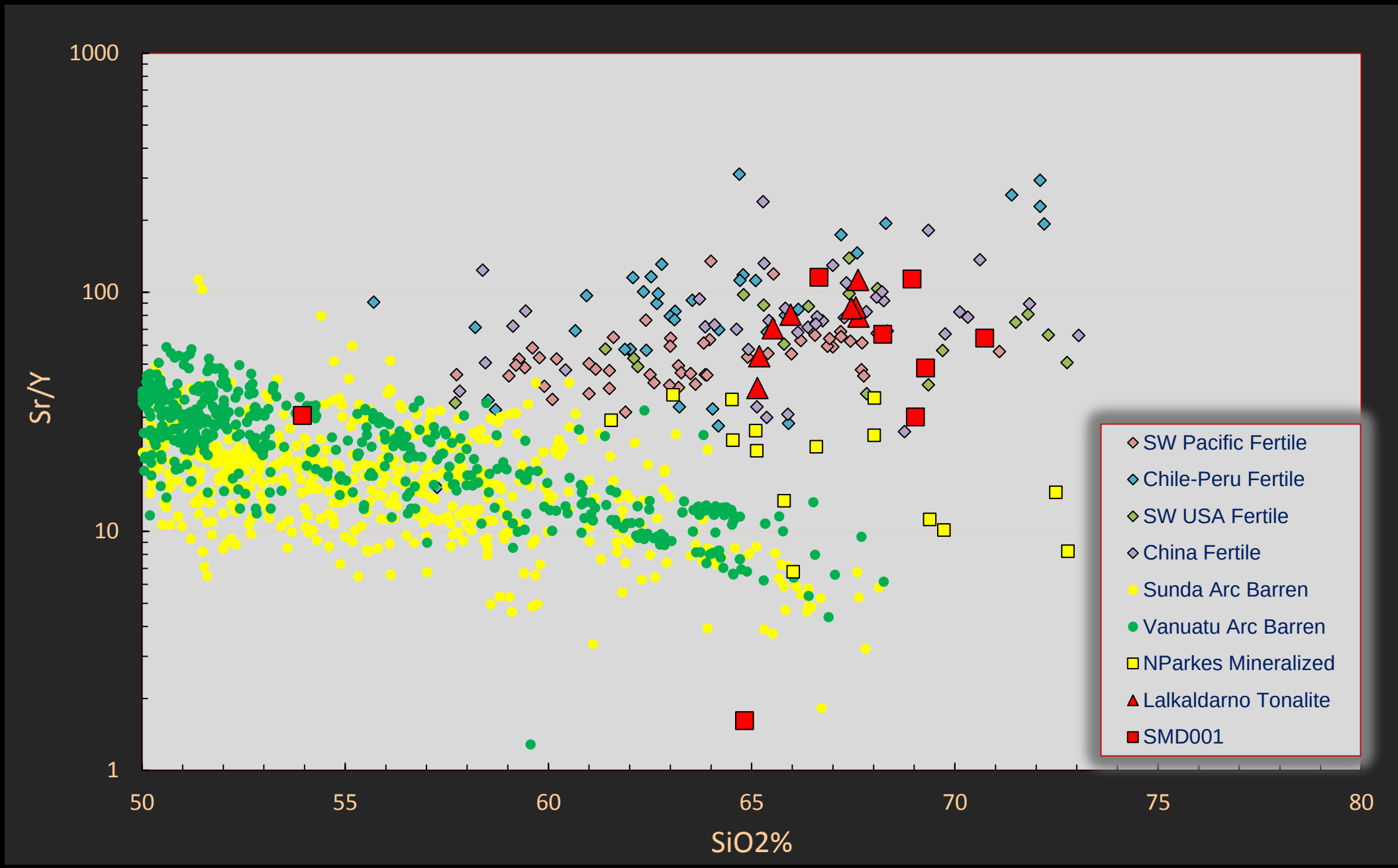
**Discovery of the Cadia Ridgeway gold-copper porphyry deposit, Halliday et al, 1999*

STAVELY PROJECT

But what evidence that the Thursday's Gossan porphyry is an alkalic copper-gold porphyry?

- Zones of pervasive hematite alteration
- Strongly negative δ34 sulphur isotope values
- Metal ratios – gold and silver rich
  - **5m @ 1.4% copper, 0.25g/t gold and 11 g/t silver** from the Junction deposit
  - D-veins from Thursday's Gossan
    - **7.7 metres at 4.14% copper, 1.08 g/t gold and 77g/t silver**
    - **9.5 metres at 2.93% copper, 0.44g/t gold and 42 g/t silver**
    - VSTD001 – **32m at 0.8% copper and 0.4g/t gold**
- Geochemical similarity with alkalic 'switch' in the Mt Read Volcanics – Tony Crawford, UTAS

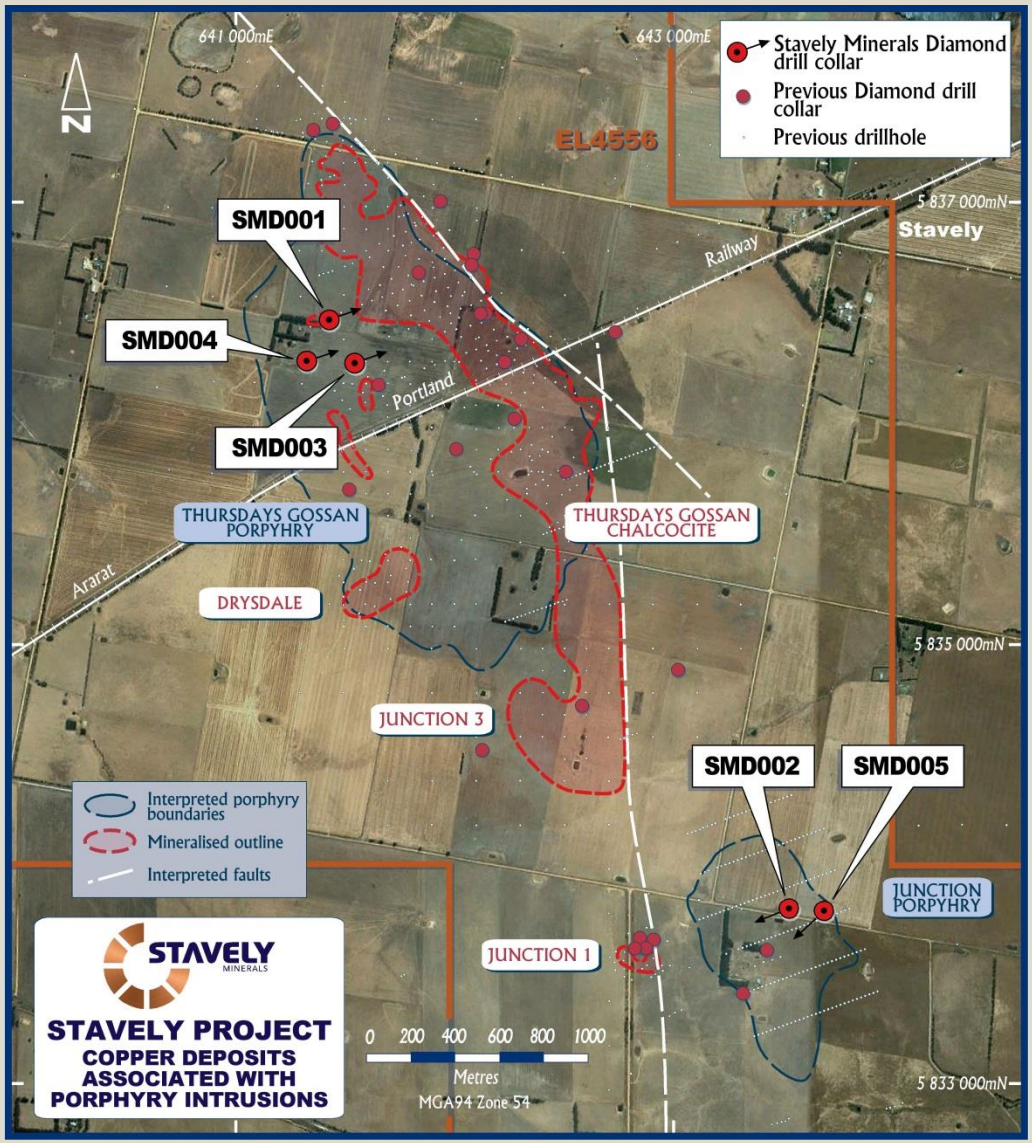
[1] see ASX announcement dated 12 May 2014 and available from www.stavely.com.au



Plot provided by Professor Tony Crawford (UTAS), after Loukes, R.R., 2014, *Distinctive Composition of copper-ore-forming magmas*, in Australian Journal of Earth Sciences

STAVELY PROJECT

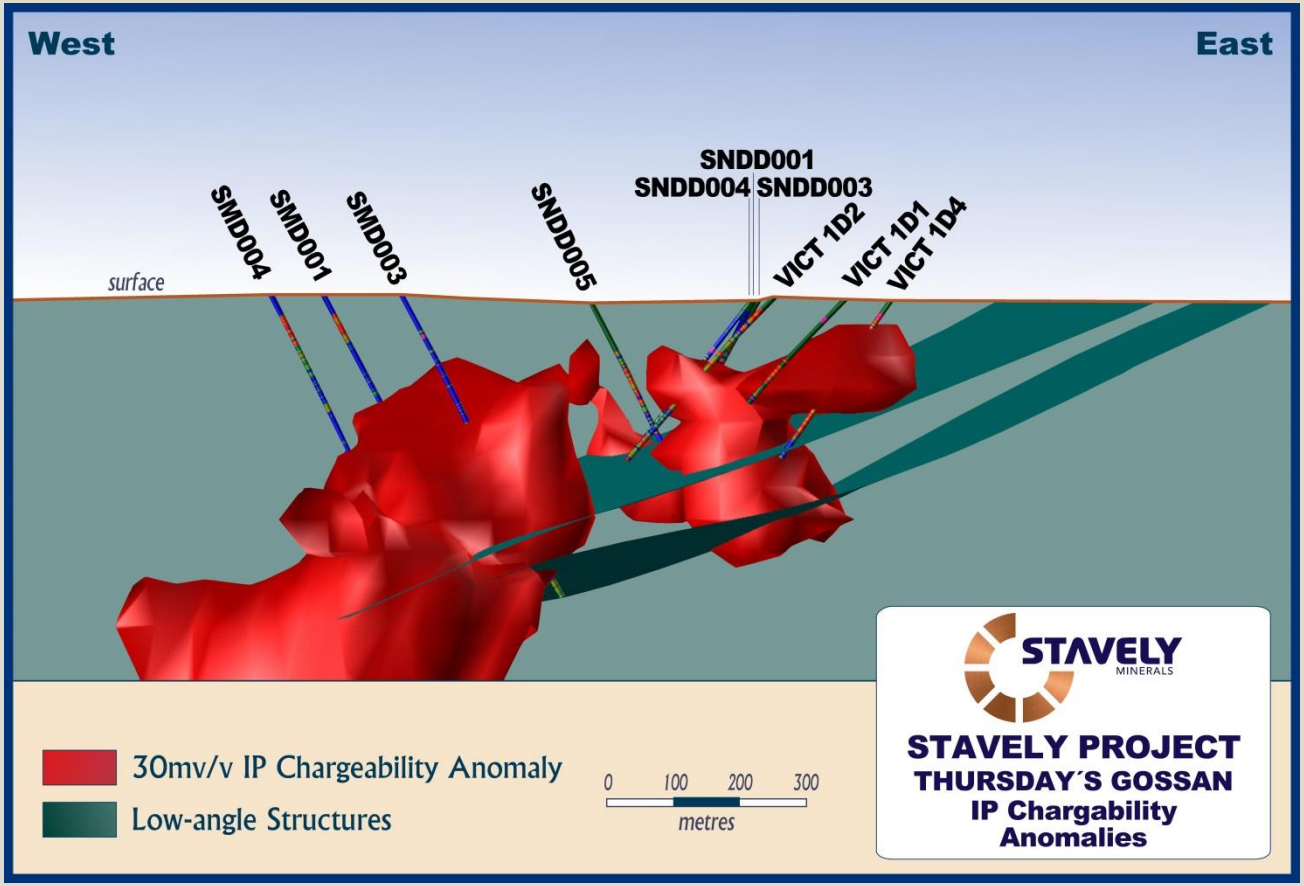
Thursday's Gossan Porphyry



Stavely Minerals drilled 3 deep diamond drill holes (between 532m to 640m deep) into an induced polarisation (IP) chargeability anomaly

STAVELY PROJECT

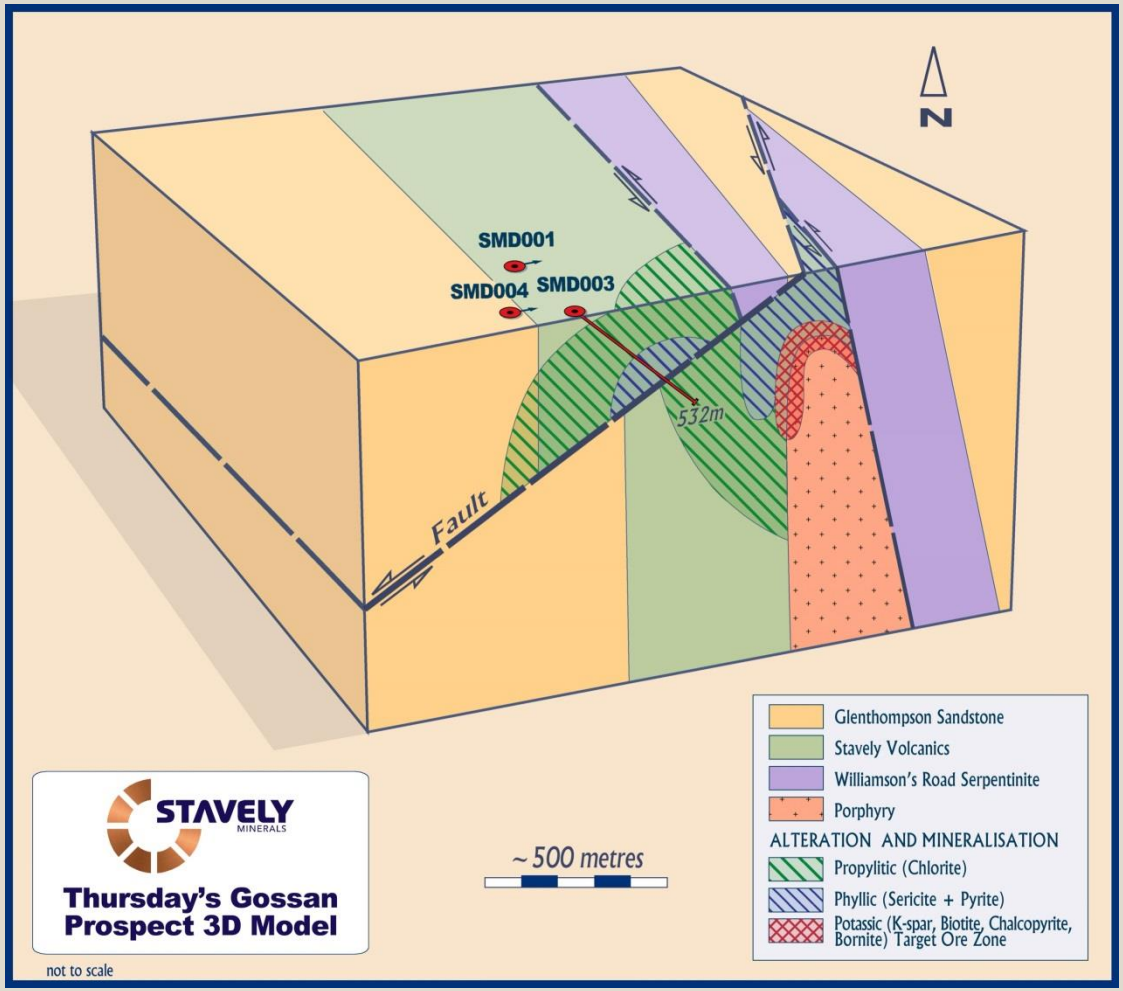
Thursday's Gossan Porphyry



Drilling intercepted well-developed phyllic alteration (sericite-pyrite) which corresponded well with the IP chargeability anomaly

STAVELY PROJECT

Thursday's Gossan Porphyry



The three deep diamond drill holes identified a low-angle structural offset to the porphyry system

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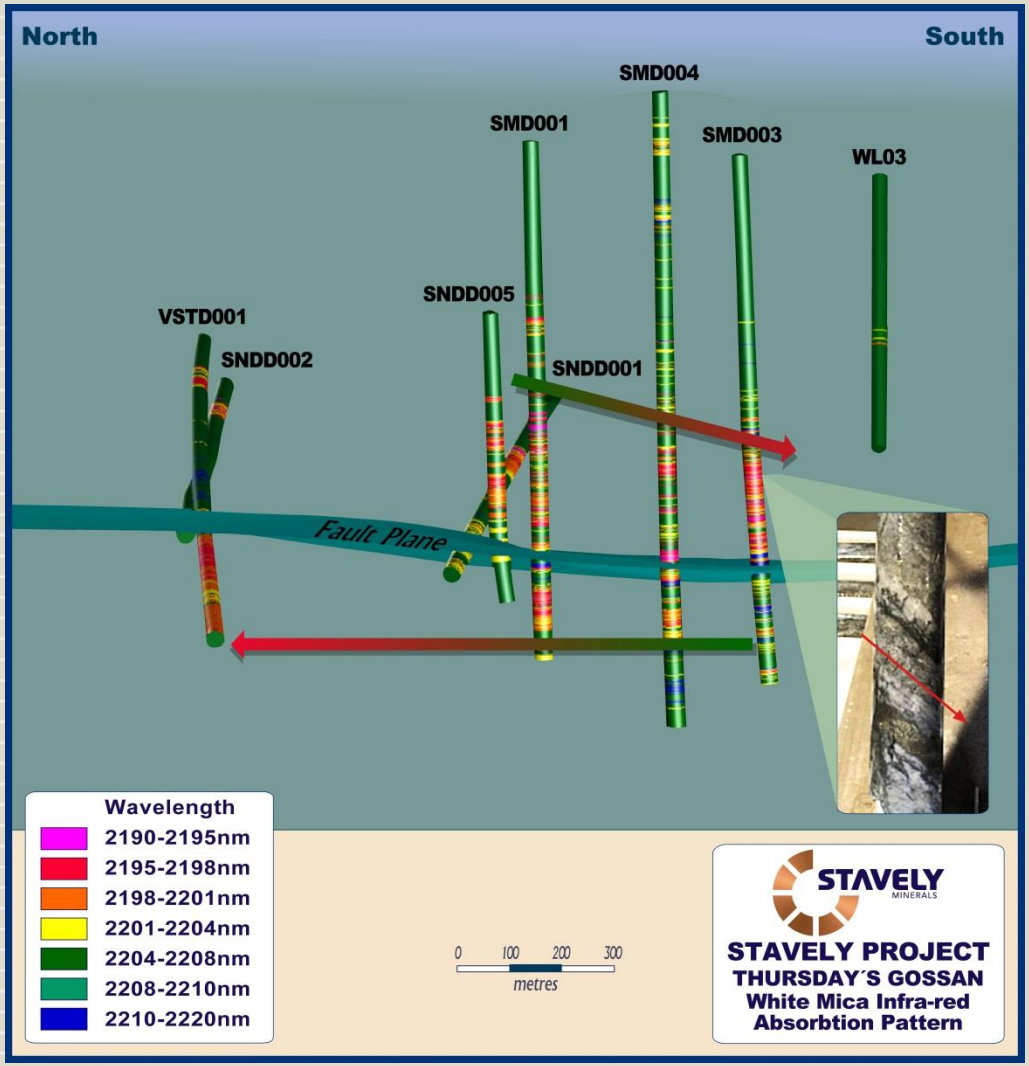
Thursday's Gossan Porphyry



[1] see ASX announcement dated 12 May 2014 and available from www.stavely.com.au

Structural analysis, kinematic indicators, white mica shortwave infra-red absorption features and sulphur isotope results all concur the porphyry 'core' has been transposed north and east beneath the structural zone.

What do investors need to take from this?

The target porphyry 'core' is yet to be discovered and we believe we have strong evidence indicating where it has gone.

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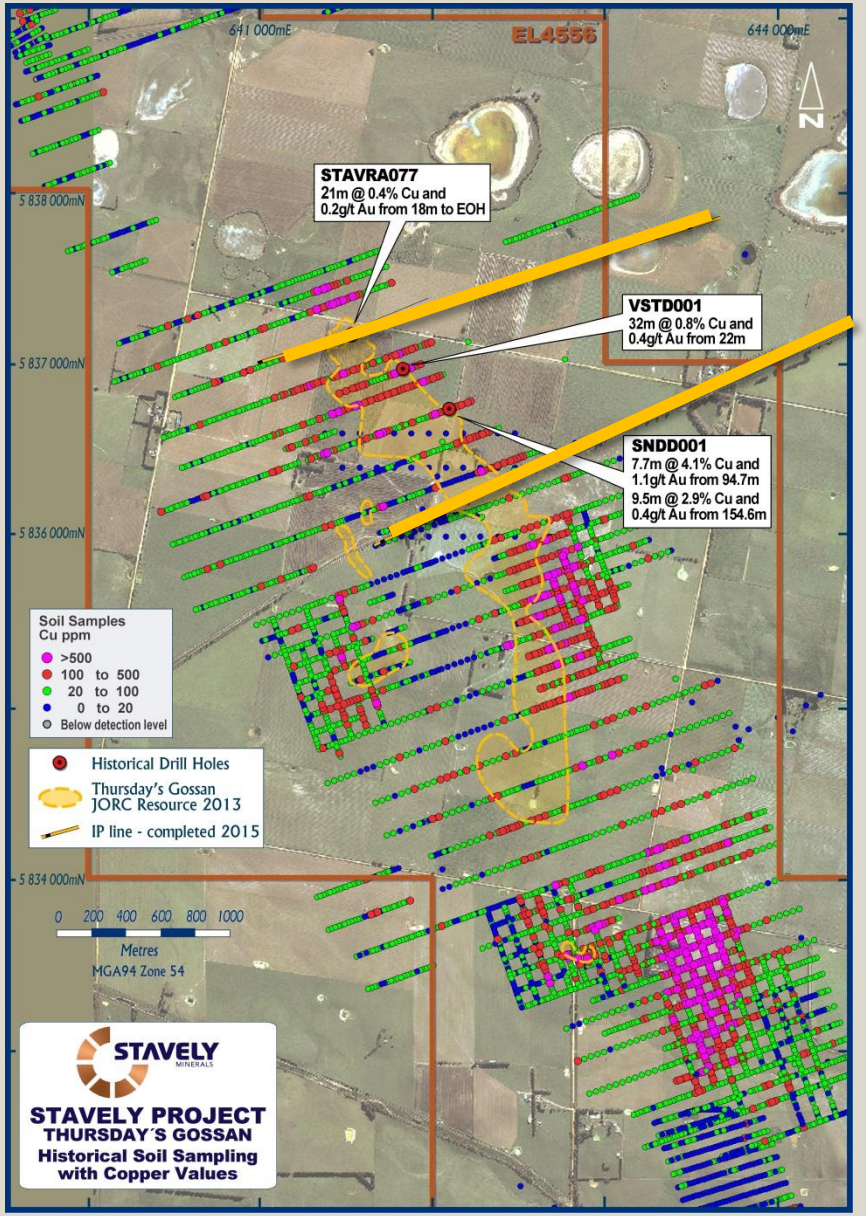
Thursday's Gossan Porphyry



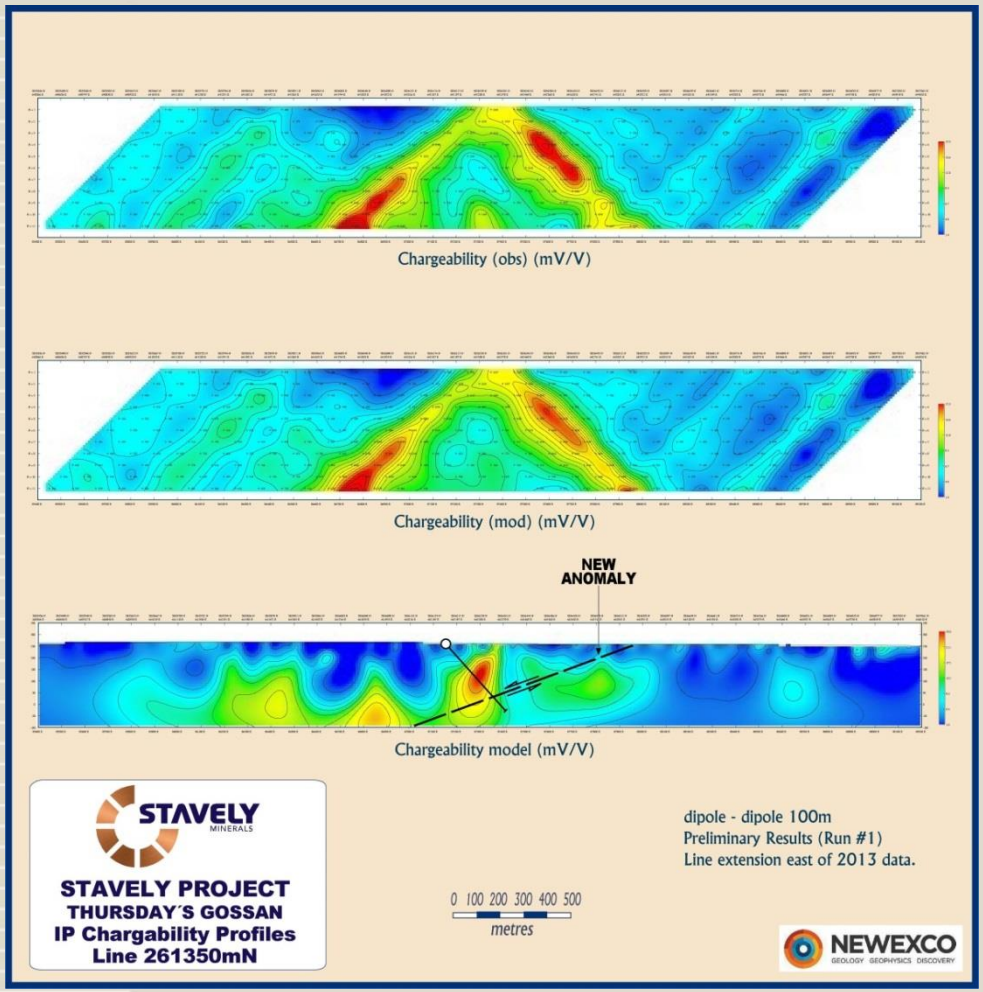
New IP survey lines to extend coverage to east and north where structural model say the target porphyry 'core' has been transposed

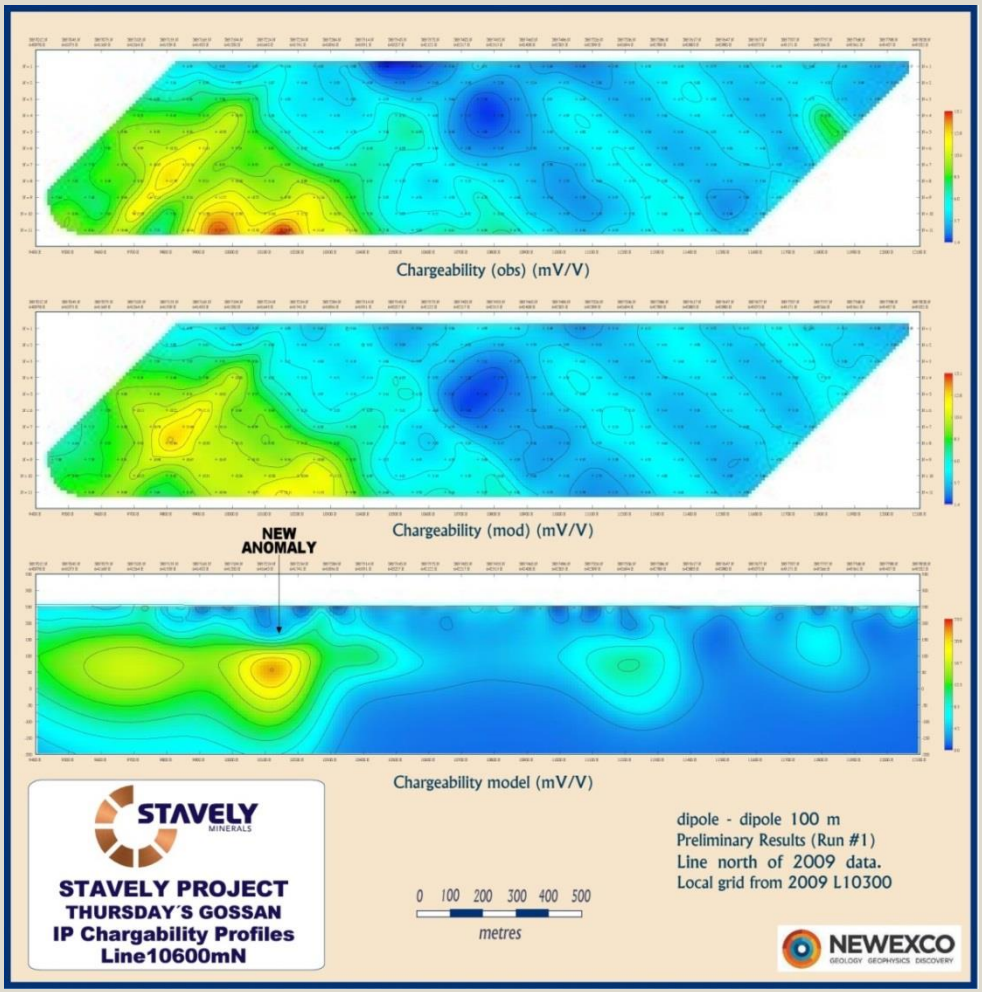
STAVELY PROJECT

Thursday's Gossan Porphyry

New IP chargeability anomalies on both lines:

- Line 261350, anomaly under low-angle structure
- Line 10600, strong chargeability anomaly





[1] see ASX announcement dated 12 May 2014 and available from www.stavely.com.au

STAVELY PROJECT

Thursday's Gossan Porphyry

- ✓ Very positive results from drilling the IP chargeability anomaly – increasingly intense alteration, very 'busy' drill core, low-grade copper mineralisation in peripheral alteration
- ✓ Intercepted a low-angle structure at ~400-480m depth – structural interpretation, kinematic indicators, white mica shortwave infra-red absorption features and sulphur isotopes all concur that the porphyry 'core' – where best developed copper-gold mineralisation could be expected – has been transposed to the north beneath the offset structural zone
- ✓ IP chargeability anomalies in areas predicted to host 'core'
- ✓ Additional IP just completed

WORK PROGRAMMES

WORK PROGRAMMES

Work programme for the Ararat Project

- At Mt Ararat, additional surface geochemistry and IP geophysics to identify additional base metal–gold mineralised horizons in advance of drilling - **Done**
- Drill targets – **Drilling in-progress**
- Reconnaissance soil geochemistry over the 15 km copper-gold VMS prospective horizon – **Commencing in December**
- Follow-up of other gold targets in the region

Work programme for the Stavely Project

- At Thursday's Gossan and Yarram Park, additional IP surveys to refine new anomalies prior to drill testing – **Done**
- Drill targets – **Planned for April**
- In the region, follow-up of other gold and copper-gold opportunities

Even though the market is crappy for explorers, we are still very busy and getting great results

Thank You

Contact Us:

Stavely Minerals Limited

Level 1, 168 Stirling Highway

Nedlands WA 6009

www.stavely.com.au

info@stavely.com.au

Ph: 08 9287 7630

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