



Finding the copper the world needs for a low-carbon future

The Stavely Copper-Gold Project

Dawn of a new world-class copper-gold province in Western Victoria
International Mining and Resources Conference - 2 November 2022



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A Modern Australian Copper-Gold Growth Company



- **First-mover position** – largest and most strategic tenement holding in the Stavelly Volcanic Belt, western Victoria
- **Discovery**– outstanding shallow high-grade copper-gold-silver discovery (September 2019), the Cayley Lode
- **Cayley Lode MRE¹** – 9.3Mt at 1.23% Cu, 0.23g/t Au and 7.1g/t Ag
- **Total Resources** – 28.3Mt at 0.75% Cu, 0.11g/t Au and 3.5g/t Ag
- **Containing** – 210,000t Cu, 100,000oz Au, 3.2Moz Ag and 2.4kt Zn
- **New style of mineralisation** – Magma/Butte copper lode-style system, never before seen in Australia
- **Multiple discovery opportunities** – potential to become a new copper province as additional mineralised prospects are tested
- **New vectors to the porphyry at depth** – drilling planned in January

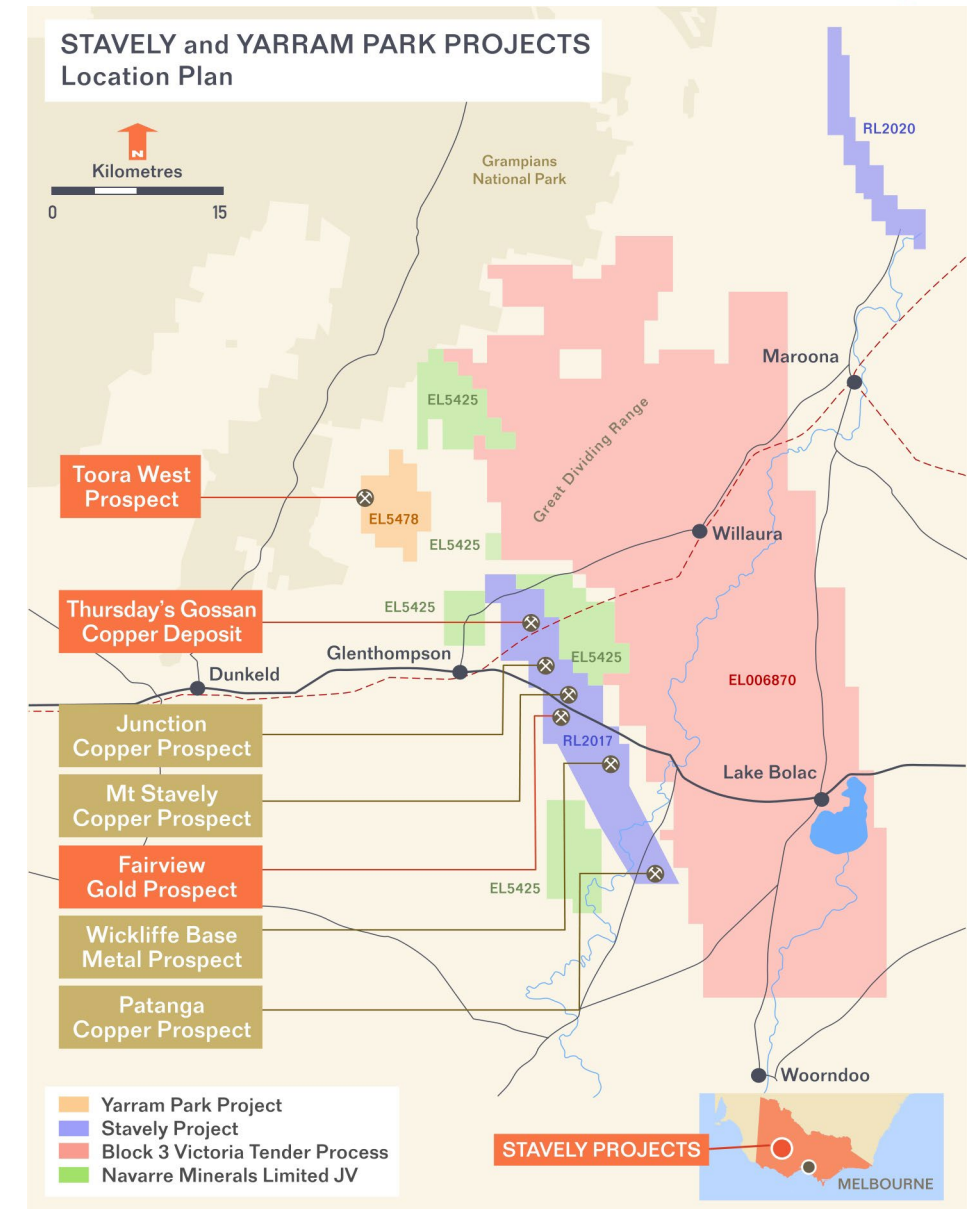


¹ reported in compliance with the JORC Code 2012, see ASX announcement 14 June 2022

First-Mover Position in Victoria's Stavelly Arc



- Two cornerstone assets – 100%-owned **Stavelly** and **Ararat** Projects
- **1,461km² ground position** in Australia's new exploration hot-spot of western Victoria (Kirkland Lake – Fosterville)
- Majority of exploration since 2014 focused on Thursday's Gossan, targeting a **Tier-1, Cadia-style copper-gold** porphyry system



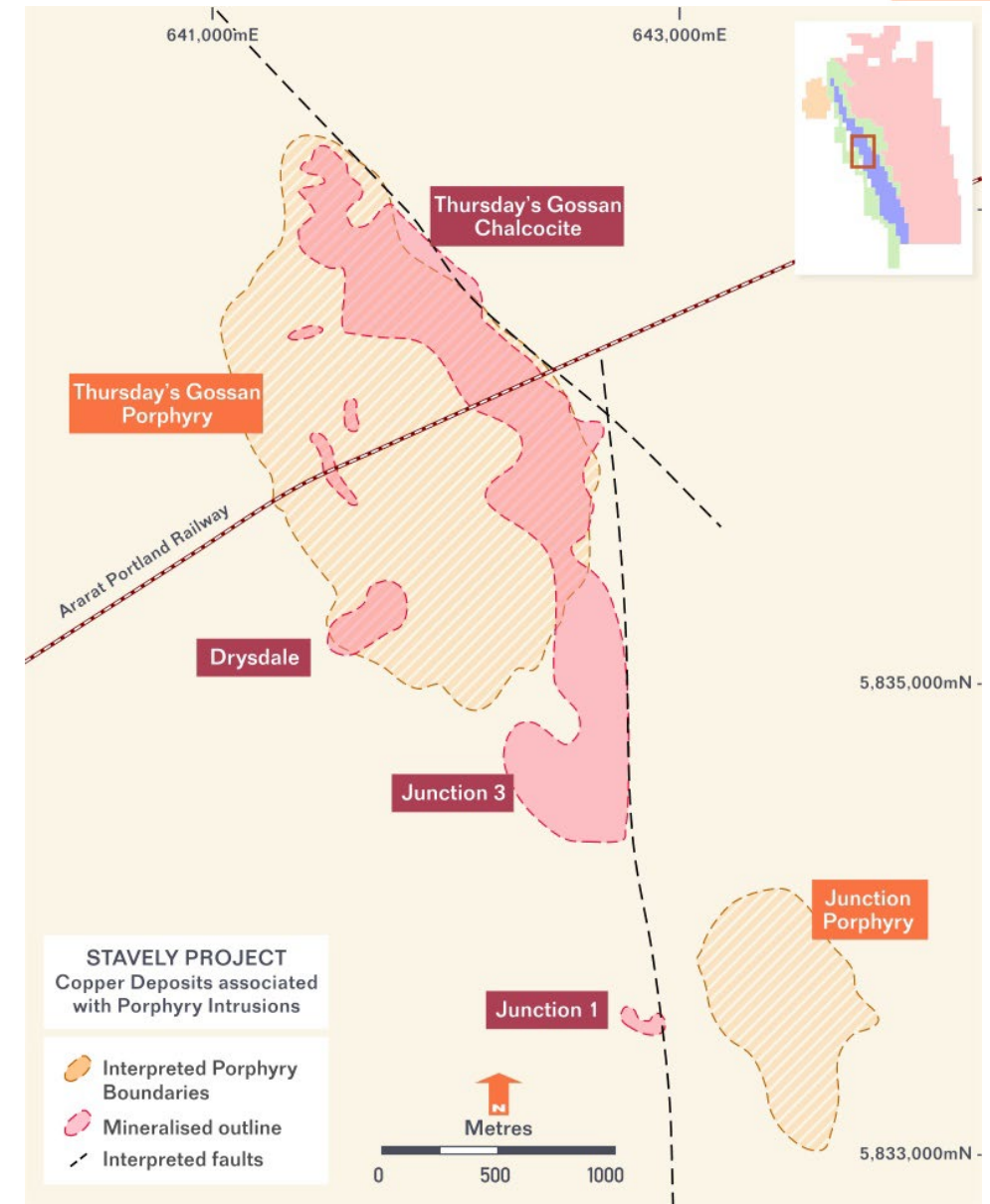
Stavely Minerals Limited – Mineral Resources



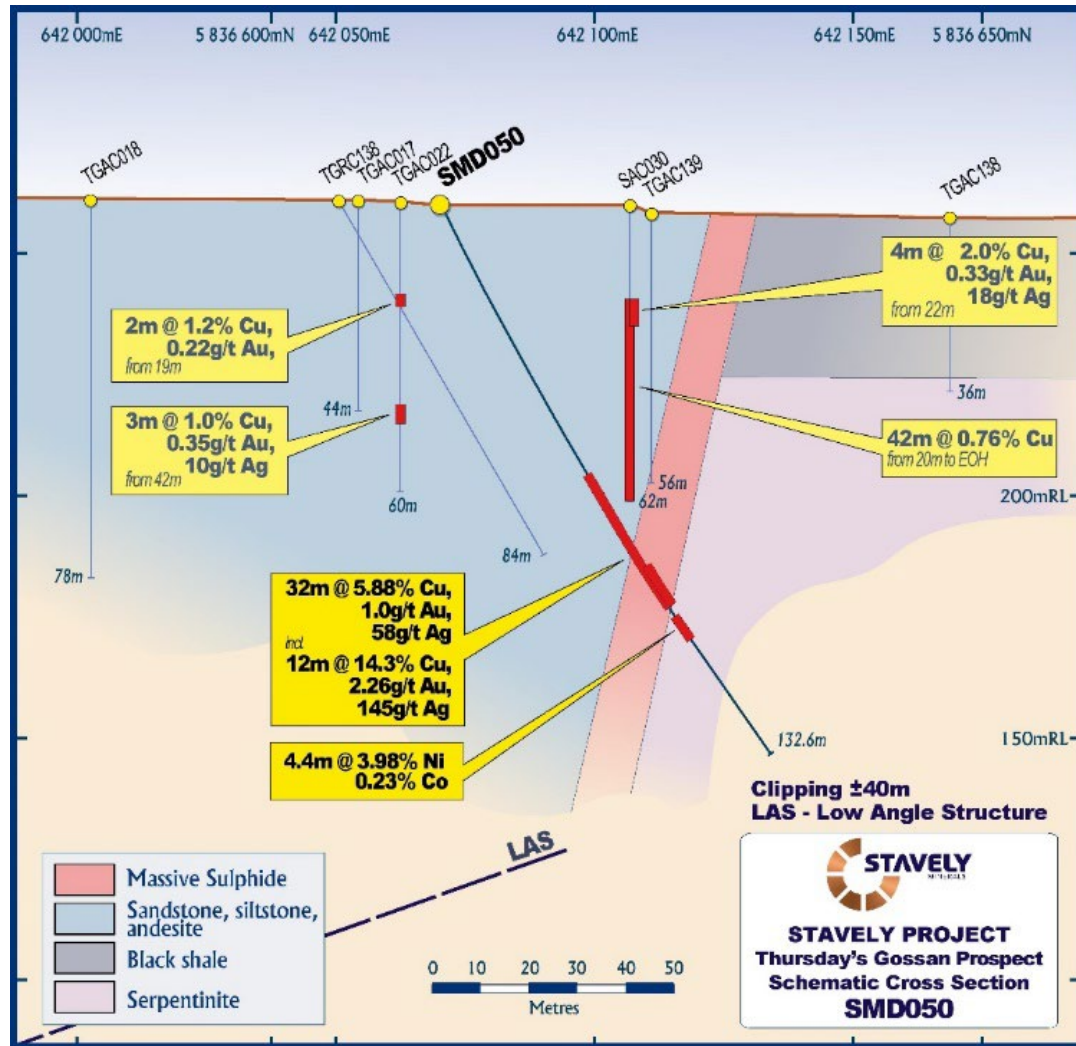
- Thursday's Gossan includes an extensive chalcocite-enriched blanket occurring 30m to 80m below surface - **18Mt at 0.41% copper¹**
- High-grade Cayley Lode **9.3Mt at 1.23% Cu, 0.23g/t Au and 7.1g/t Ag**
- Carroll's VMS Mineral Resource estimate of **1.0Mt at 2.2% copper, 0.42g/t gold, 5.6g/t Ag and 0.2% zinc¹**
- Total Contained **210,000t Cu, 100,000oz Au and 3.2Moz Ag**
- Huge leverage to copper price upside

We always knew there was plenty of shallow copper at Thursday's Gossan. But we were looking for a porphyry at depth....and still are!

¹ reported in compliance with the JORC Code 2012, see ASX announcement 14 June 2022



Discovery Breakthrough – Hole SMD050



SMD050

- **32m at 5.88% copper, 1.00g/t gold and 58g/t silver**, from 62m drill depth, including:
 - 12m at 14.3% copper, 2.26g/t gold and 145g/t silver from 82m, including:
 - 2m at 40% copper, 3.00g/t gold and 517g/t silver
- Surprisingly, SMD050 also intersected:
 - 4.4m at 3.98% nickel, 0.23% cobalt and >1% chrome

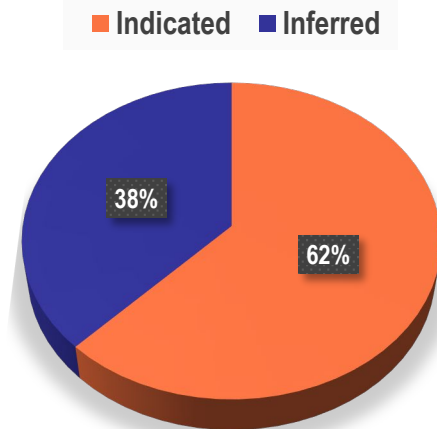


See ASX announcement 26/09/2019 and available from www.stavely.com.au

Cayley Lode Discovery – Shallow, High-Grade Mineralisation

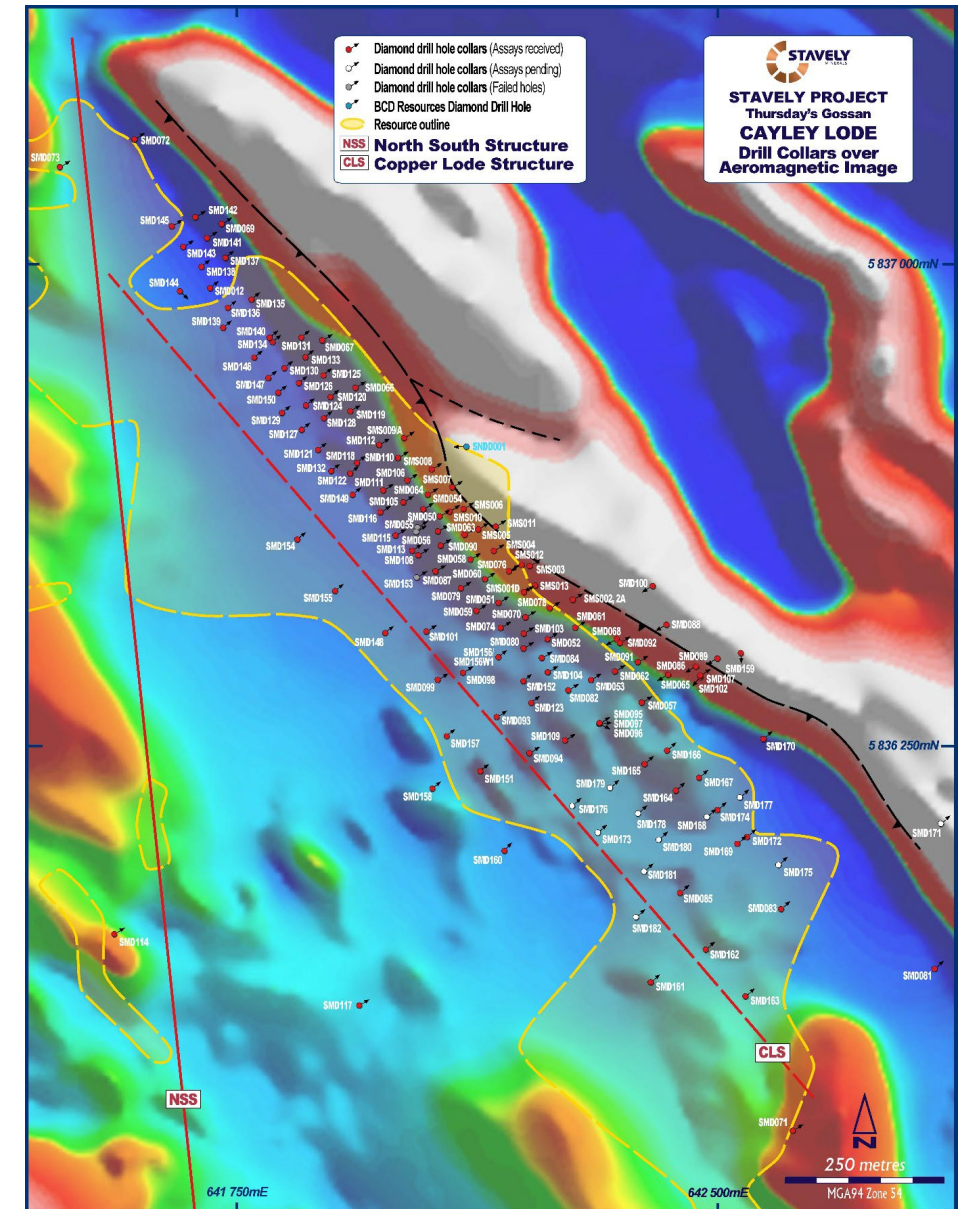


- Magma / Butte copper lode-style system – outstanding exploration target never before seen in Australia
- Mineralisation so far defined over ~1.5 km strike length to ~400m depth, averaging 10-50m thickness
- Resource drilling complete on ~40m X 40m drill pattern
- **9.3Mt at 1.23% Cu, 0.23g/t Au and 7.1g/t Ag**



Mineralisation remains down-plunge and down-dip

¹ reported in compliance with the JORC Code 2012, see ASX announcement 14 June 2022



Cayley Lode Discovery – Amenable to Open Pit and UG

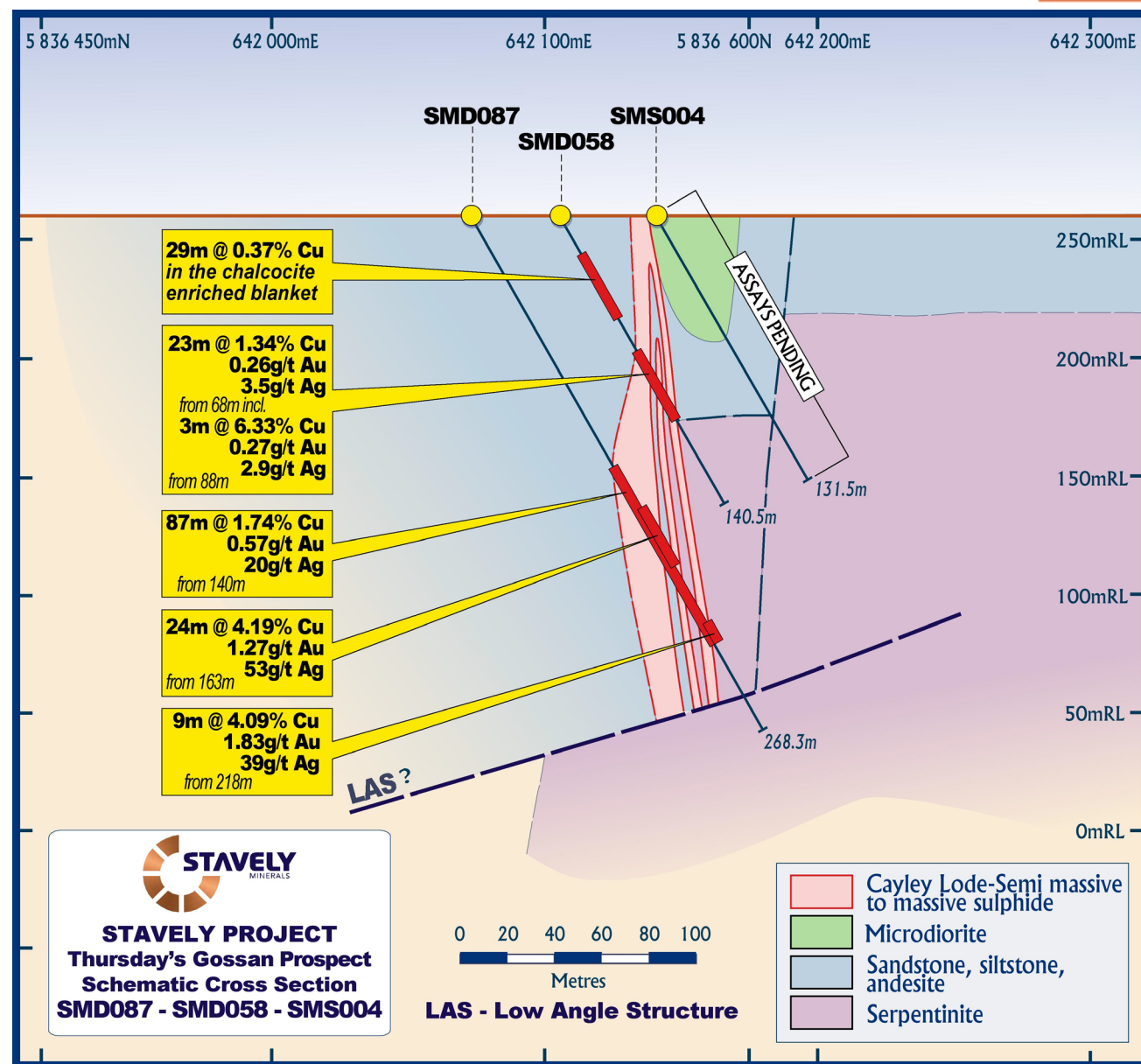


SMD087

- 87m @ 1.74% Cu, 0.57g/t Au and 20g/t Ag, *incl.*
- 24m @ 4.19% Cu, 1.27g/t Au and 53g/t Ag, *and*
- 9m @ 4.09% Cu, 1.83g/t Au and 39g/t Ag

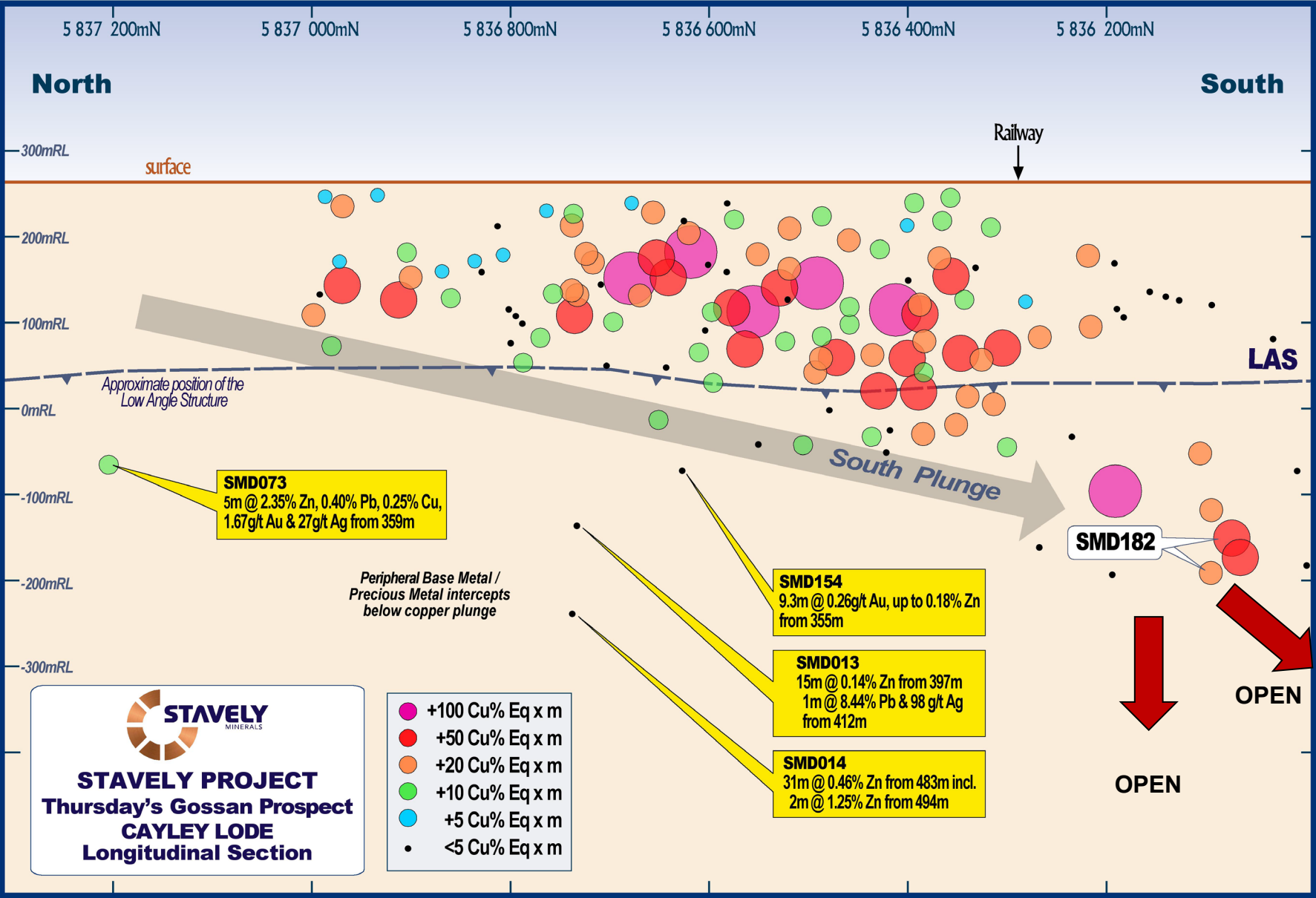
Typical of most Cayley Lode intercepts:

- a large intercept amenable to open pit bulk mining, and
- multiple discrete higher-grade intervals providing a 'sweet spot' of focus for underground mining

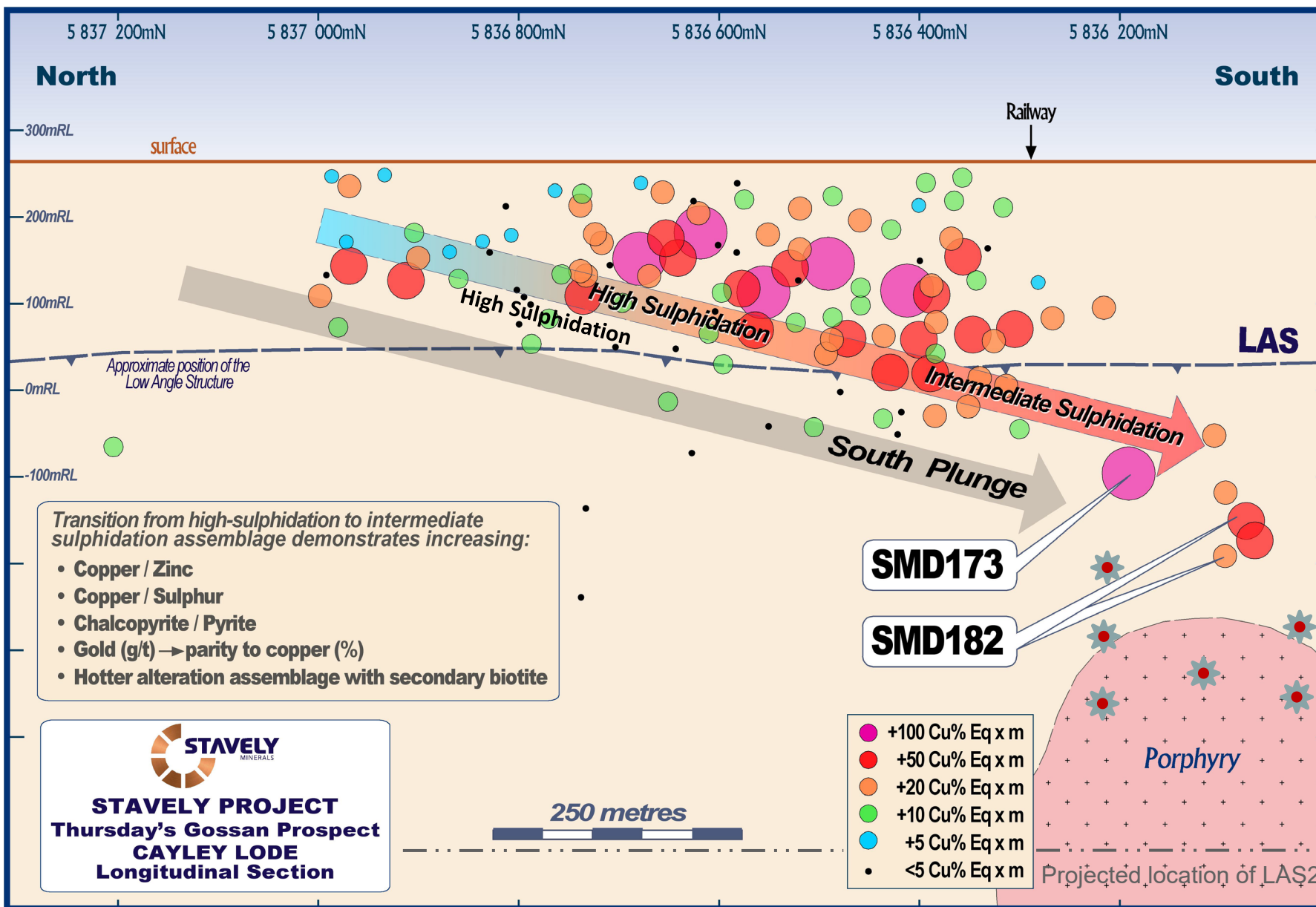


See ASX announcement 15/06/2020 and 14/07/2020 and available from www.stavely.com.au

Cayley Lode Discovery – Resource Drilling Long Section



Cayley Lode Discovery – The System Evolving at Depth

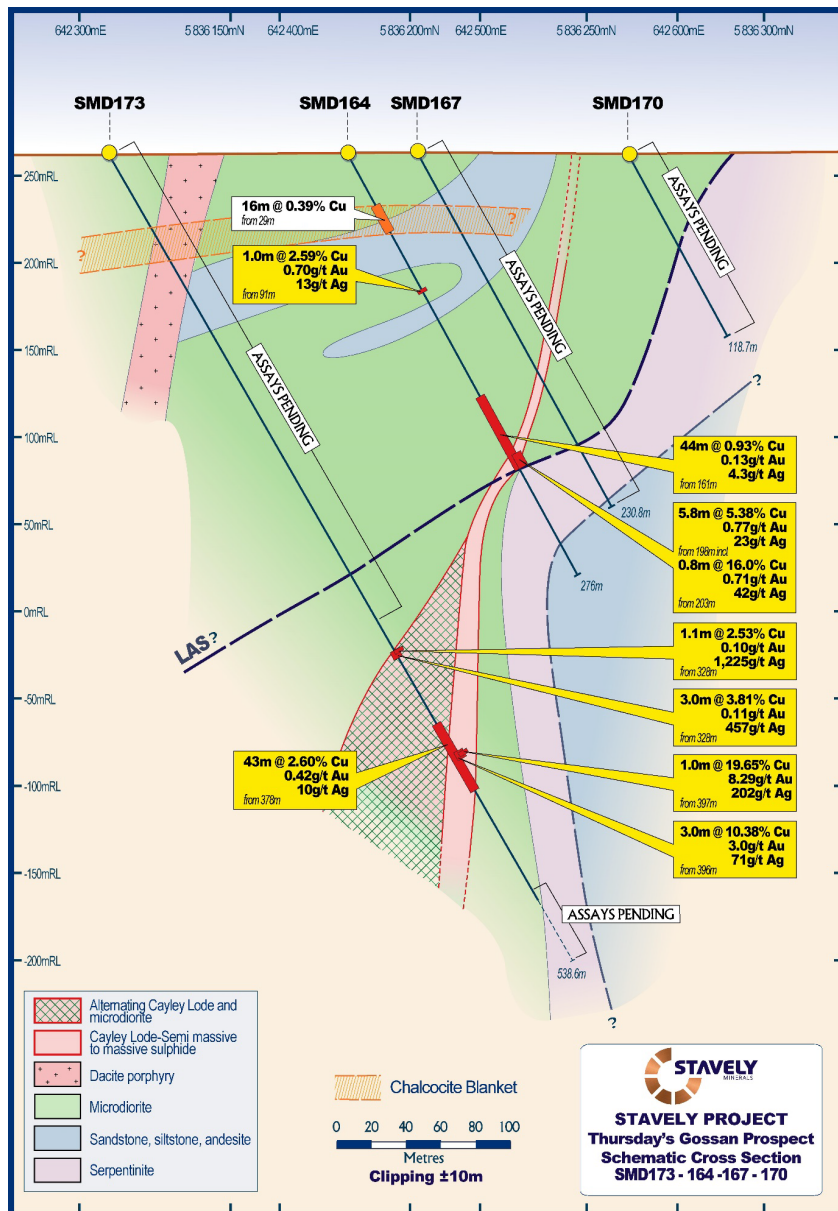


It's Changing

Transition from high-sulphidation to intermediate sulphidation assemblage demonstrates increasing:

- Copper / Zinc
- Copper / Sulphur
- Chalcopyrite / Pyrite
- Gold (g/t) → parity to Copper (%)
- Hotter alteration assemblage with secondary biotite
- **Reason to believe the porphyry is nearby**

Cayley Lode Discovery – Structurally Controlled



SMD173

- 43m at 2.60% copper, 0.42g/t gold and 10g/t silver, from 378m drill depth, including:
- 3m at 10.38% copper, 3.0g/t gold and 71g/t silver from 396m, including:
- 1m at 19.65% copper, 8.29g/t gold and 202g/t silver from 397m



Vein / stockwork-style chalcopyrite+quartz-filled fractures in chlorite+quartz-altered microdiorite. 390.6m.

See ASX announcement 08/03/2022 and available from www.stavely.com.au



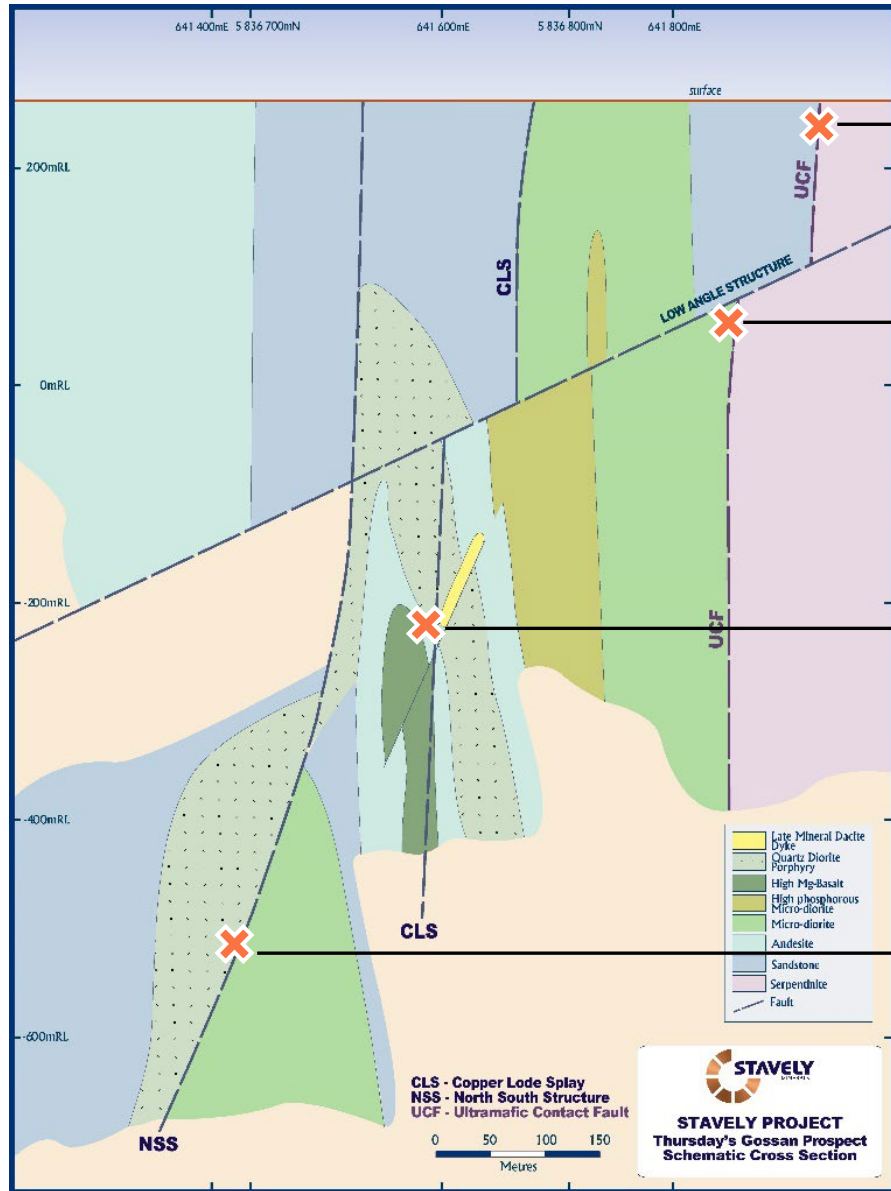
-
- A close-up photograph of a dark, irregularly shaped rock fragment, possibly a piece of volcanic rock or a mineral specimen. The rock has a rough, textured surface and is heavily coated with a yellowish-brown mineral deposit, likely iron oxide or a similar mineral. The rock is resting on a grey plastic surface, which appears to be a tray or a container. The lighting is bright, highlighting the textures of both the rock and the plastic surface.

See ASX announcement 27/04/2022 and available from www.stavely.com.au



Where to from here?

Vertically Extensive – With Multiple Discovery Opportunities



SMD050: 32m at 5.88% copper, 1.00g/t gold and 58g/t silver, from 62m drill depth on the UCF

SMD173: 43m at 2.60% copper, 0.42g/t gold and 10g/t silver, from 378m drill depth on the UCF underneath the LAS

SMD182 : 10.4m at 4.34% copper, 3.17g/t gold and 11g/t silver from 421m drill depth on the UCF underneath the LAS

SMD032: 6m at 6.73% copper, 0.84g/t gold and 15g/t silver, from 538m drill depth on the CLS

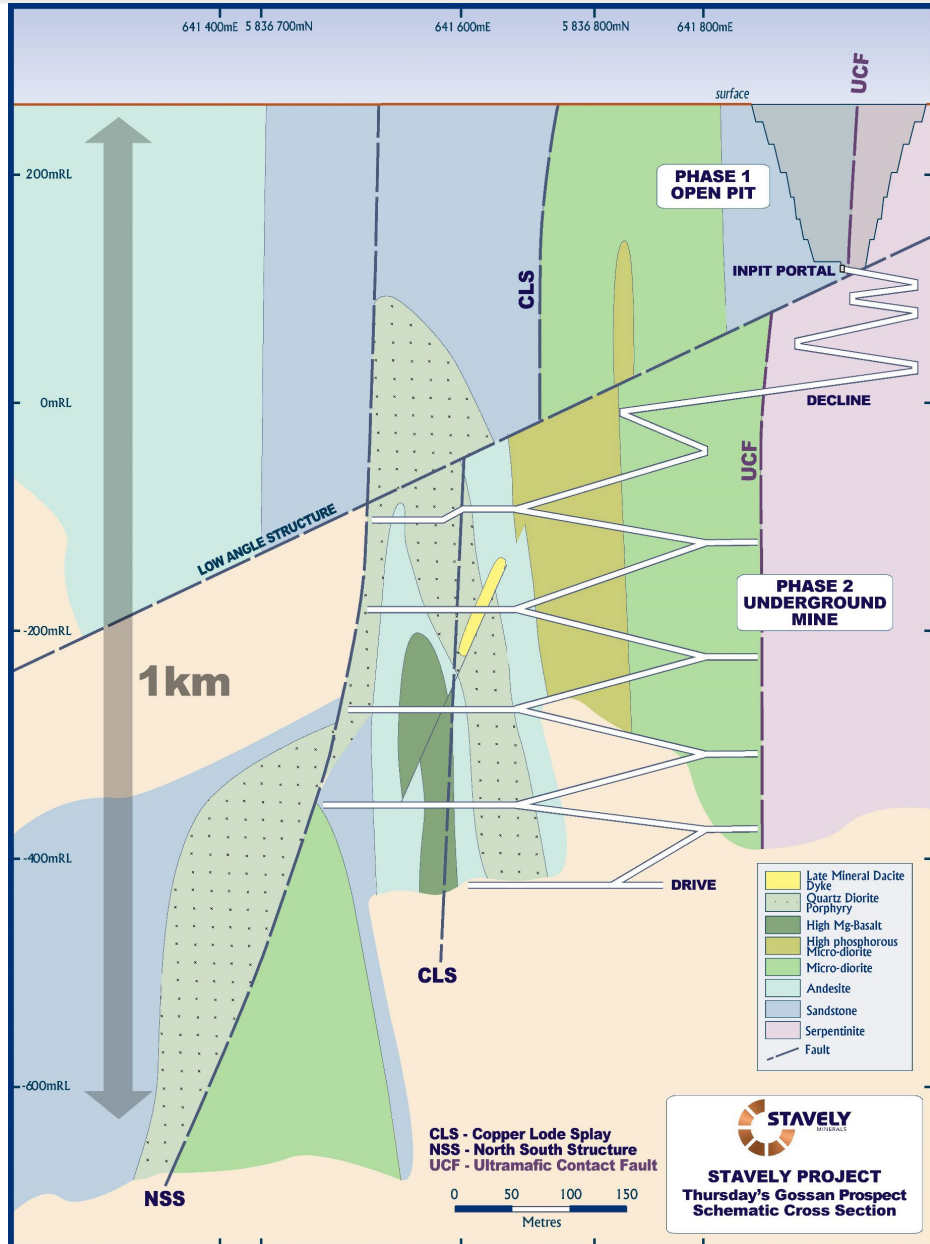
SMD044: 10m at 2.43% copper, 0.30g/t gold and 11g/t silver, from 583m drill depth on the CLS

SMD044: 38.3m at 1.59% copper, 0.27g/t gold and 8g/t silver, from 890m drill depth on the NSS

SMD044W1: 18m at 3.62% copper, 0.28g/t gold and 15g/t silver, from 848m drill depth on the NSS

See ASX announcements 27/04/2022, 8/03/2022, 26/09/2019, 23/04/2019, 12/03/2019, 18/12/2018 and available from www.stavelly.com.au

Current Programs – How do we see this as a possible development?



1. A Phase-1 open pit based on high-grade structurally-controlled mineralisation drives an open pit that also captures 18Mt at 0.4% copper in the chalcocite-enriched blanket
2. A Phase-2 underground is developed from the base of the Phase-1 open pit and spirals between mineralised lodes on either side of the decline – we are assessing bringing this forward
3. Additional lodes are accessed from existing infrastructure
4. If continuity of mineralisation is confirmed to depths in excess of 1km – and we have intercepted mineralisation at ~1,150m drill depth in SMD045W2* – then at a vertical rate of mining advance of 50m-60m per year, we can envisage a multi-decade underground mine life after the Phase-1 open pit

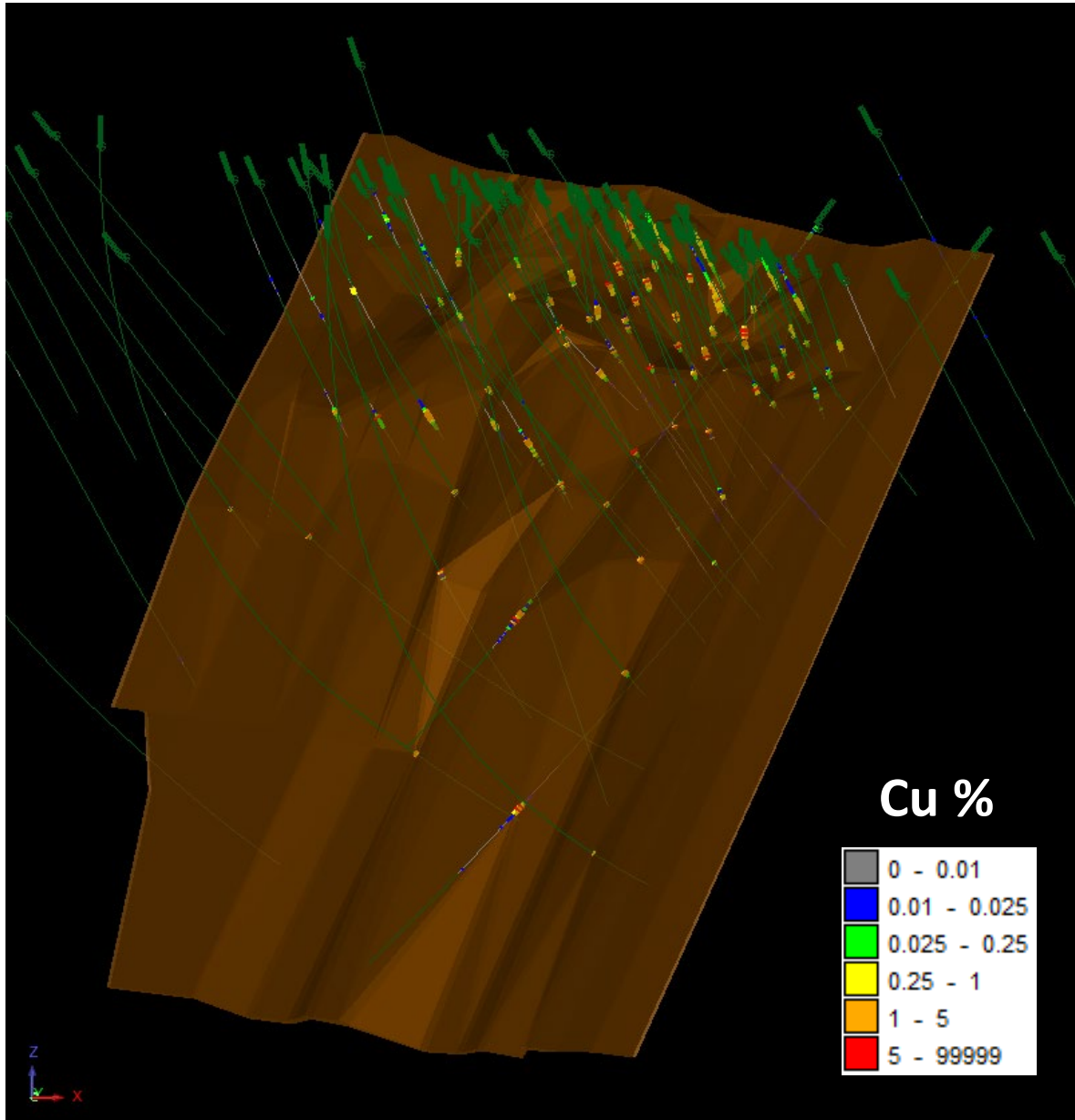
*See ASX announcement 18 June 2019 and available from www.stavely.com.au



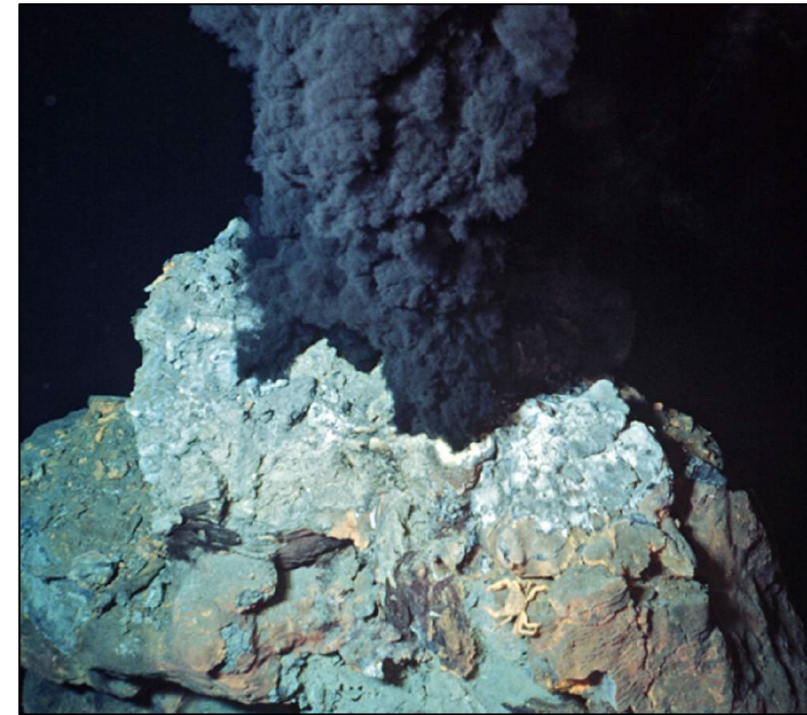
Carroll's VMS



Carroll's Copper Deposit (the VMS formerly known as Mt Ararat)



- Mineral Resource estimate of **1.0Mt at 2.2% copper, 0.42g/t gold, 5.6g/t Ag and 0.2% zinc¹**
- 800m of strike and drilled to 250m depth
- Lots of potential further at depth



¹ reported in compliance with the JORC Code 2012, see ASX announcement 14 June 2022



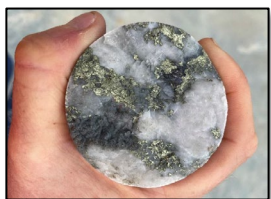
Stavely Regional Exploration

-
- 630 000mE 640 000mE 660 000mE
- 5 820 000mN 5 830 000mN 5 840 000mN 5 850 000mN 5 860 000mN
- GRAMPIANS NATIONAL PARK
- Great Dividing Range
- MAROON
- Willauna
- ELA7628
- EL5478
- EL5425
- ELA7347
- EL5425
- EL5425
- EL5425
- ELA7346
- RL2017
- ELA7346
- EL5425
- ELA7346
- EL6870
- Pollockdale Copper Prospect
- Drysdale Copper Prospect
- Fairview North Gold Prospect
- Mt Stavely Porphyry Prospect
- Fairview South Gold Prospect
- Lexington Copper Prospect
- Thursday's Gossan Copper - Gold Prospect
- Junction 3 Porphyry Copper Prospect
- Junction 1 Porphyry Copper Prospect
- Williamson Road Copper Prospect
- Wickliffe Base Metal Prospect
- Patanga Copper Prospect
- 0 2 4 6 8 10 Kilometres MGA94 Zone 54
- StAVELY MINERALS
- STAVELY PROJECT COPPER & GOLD TARGETS OVER MAGNETICS**
- Yarram Park Project
- Stavely Project
- Navarre Minerals Limited Joint Venture
- Womdo

Regional Exploration – Massive Opportunity for Discovery



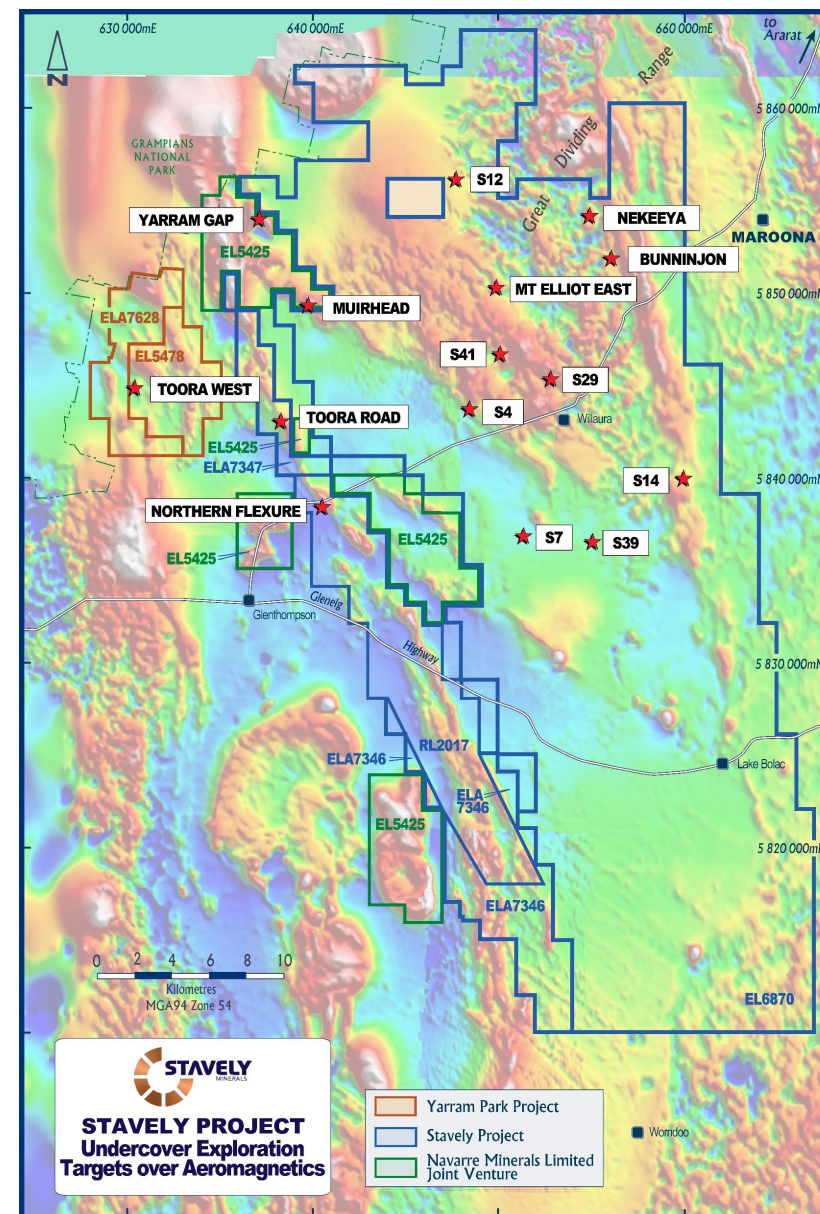
- The team has identified 19 regional targets and have active aircore and soil auger programmes
- Emerging porphyry discovery at Toora West
- ‘Blind’ discovery under 30m of younger transported cover
- 4 diamond drill holes completed this season



Massive quartz vein with chalcopyrite and molybdenite, STWD005 at 287m –
0.6m @ 8.72g/t Au, 1.85% Cu, 5.2g/t Ag & 151ppm Mo

Very important implication:

- *The Stavely Minerals’ geology team has developed a targeting methodology that has identified porphyry-style copper-molybdenum mineralisation under cover*
- *This methodology can be extended throughout the ~1,500km² tenure held by Stavely Minerals*



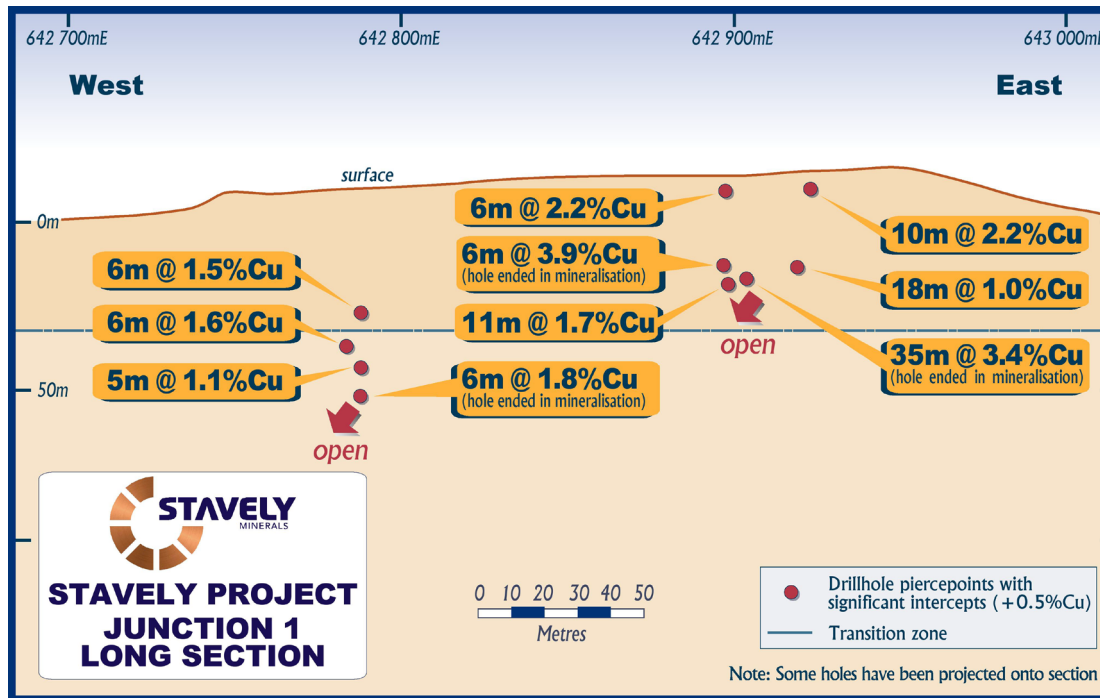
See ASX announcement 14/10/2021 and available from www.stavely.com.au

Thursday's Gossan – Massive Opportunity for Discovery

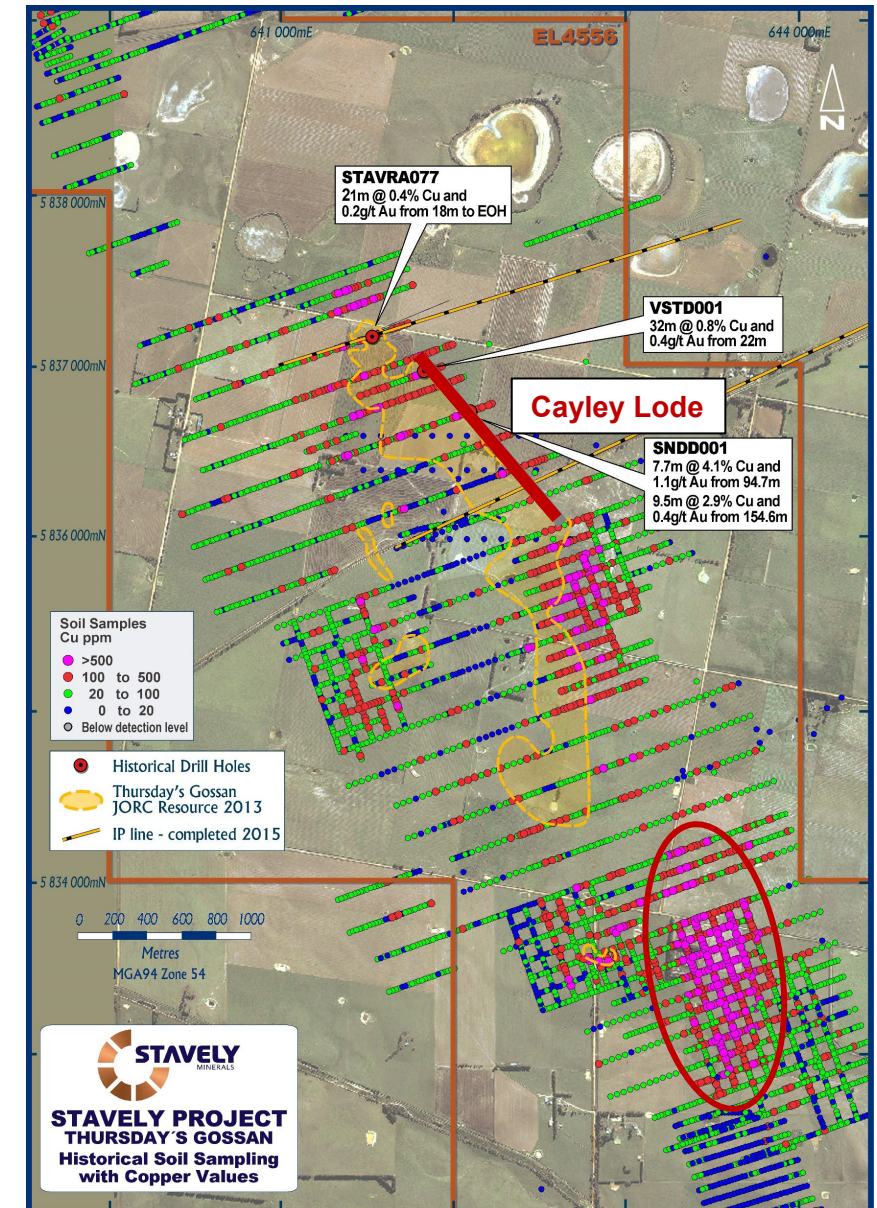


Junction Prospect

- 2km south of the Cayley Lode
- Largest and highest grade soil anomaly in the project
- Restricted access over the past 10 years
- Aircore drill results including 35m at 3.4% Cu from 24m



See Stavely Minerals Prospectus and available from www.stavely.com.au

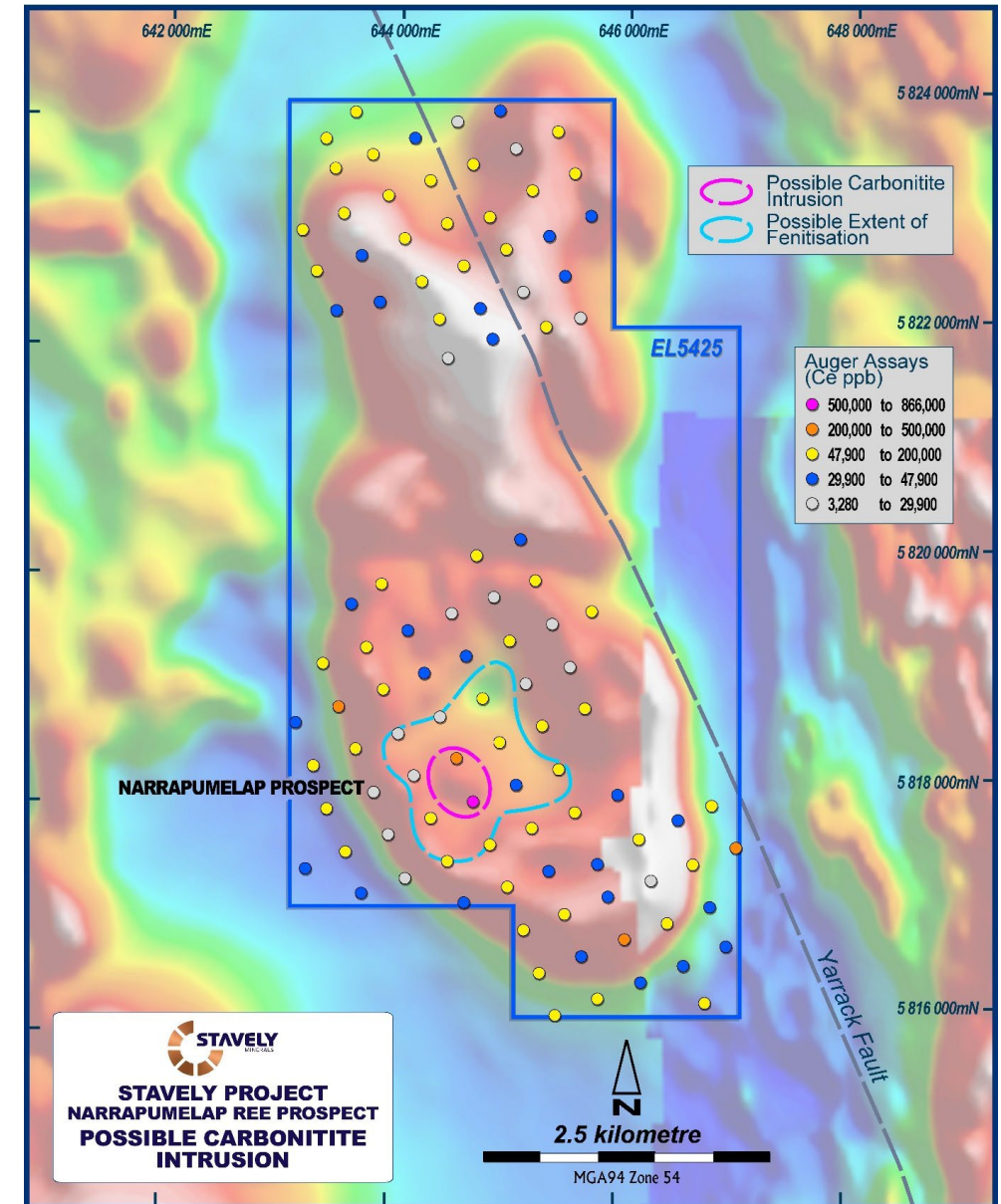


Thursday's Gossan – Massive Opportunity for Discovery



Narrapumelap REE Prospect

- ~20km south of the Cayley Lode
- Magnetic signature of a central high with an apparent low frequency possible 'fenetisation' alteration halo
- Soil auger anomalism to 0.24% TREO+Y
- To be followed up with in-fill soil auger sampling followed by aircore drilling



See ASX announcement 22/10/2021 and available from www.stavely.com.au

Copper...the Ultimate “Future-Facing” Commodity



3.6 tonnes of copper for every MW of wind power



4-5 tonnes of copper for every MW of photo-voltaic solar power

In order to migrate to a **low-carbon economy** and provide **alternative energy solutions**, certain strategic minerals are required to build the wind farms, solar farms, electric vehicles and high-technology needed to facilitate this transition.

Copper is one of the key metals required

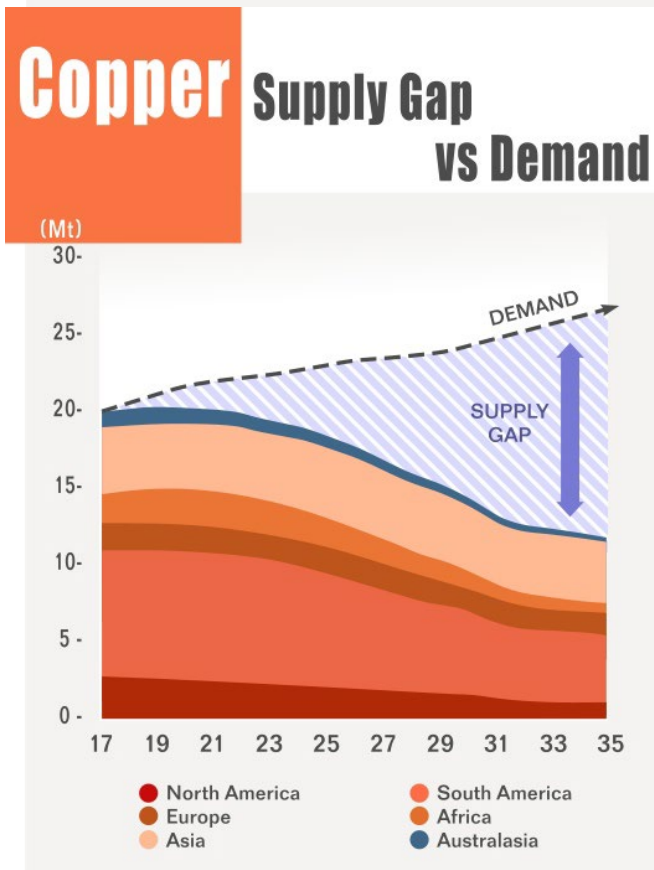


4 x more copper in an electric car than one with an internal combustion engine



6 types of bacteria killed by copper surfaces

Copper...Compelling Market Fundamentals



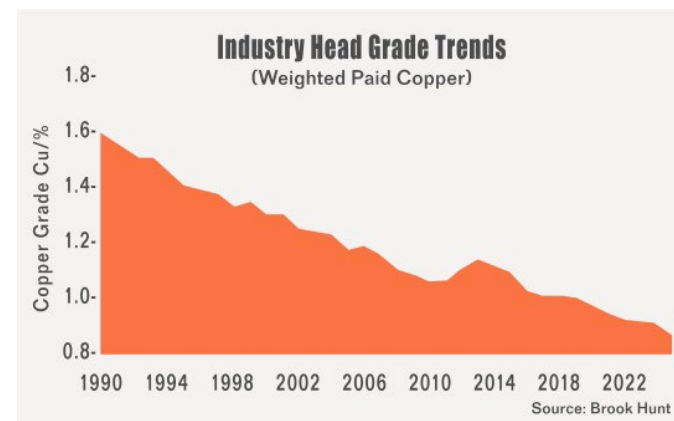
CRU estimates a 15 million tonne copper supply deficit by 2035

There are very few high-quality projects coming on stream in first world jurisdictions



Escondida, the world's largest copper mine:

- 1.72% Cu average head grade in 2007
- 0.52% Ore Reserve grade in 2019



Summary – Key Investment Takeaways



- ✓ First-mover position (1,461km²) in a potential emerging copper province
- ✓ Discovery of structurally-controlled high-grade lode-style copper-gold-silver mineralisation similar to the Magma (Arizona) and Butte (Montana) deposits
- ✓ Intercepts across three structures ranging from surface to 1,150m drill depth – “tall” system
- ✓ Shallow resource drill-out complete targeting ~20% of one of the three mineralised structures identified to date
- ✓ Initial Mineral Resource estimate completed, obvious high-grade extensional opportunities PLUS the porphyry discovery opportunity under the Cayley Lode
- ✓ Outstanding potential for an all-new porphyry province with regional targets and REE potential



Corporate Summary



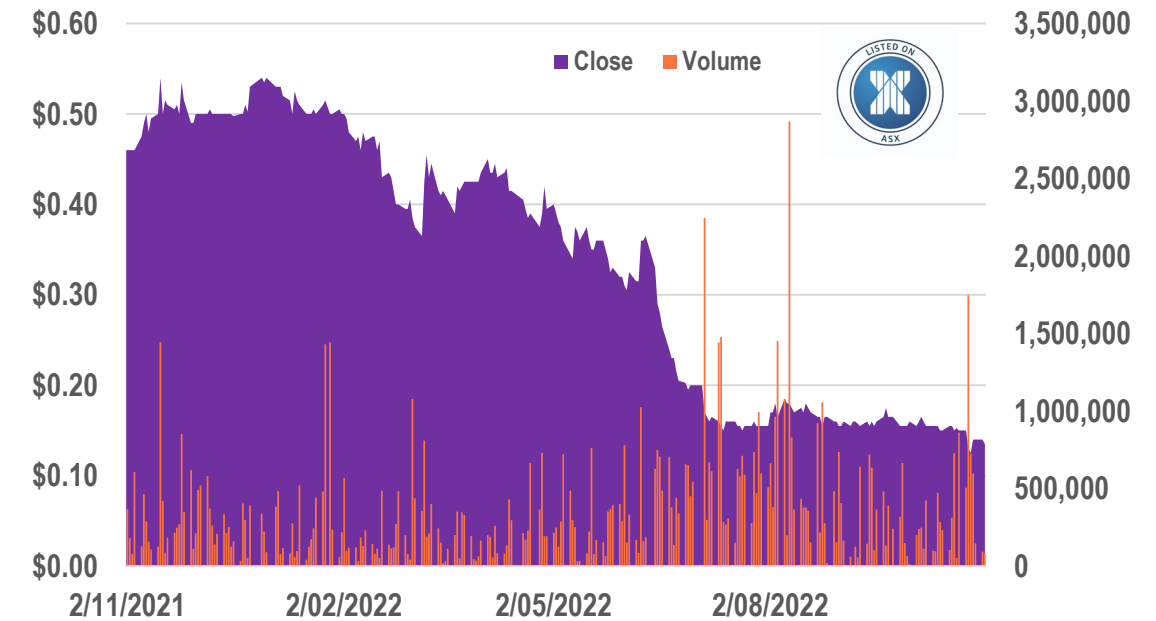
CAPITAL STRUCTURE

ASX Ticker	SVY
Share Price (1/11/22)	\$0.14
Shares on Issue	323M
Cash (31/09/22)	\$7.3M*
Market Capitalisation	\$45M
Management and Staff	~20% equity

Directors

Chris Cairns	Executive Chairman
Jennifer Murphy	Technical Director
Peter Ironside	Non-Executive Director
Amanda Sparks	Non-Executive Director & Company Secretary
Rob Dennis	Non-Executive Director

12-month Share Price to 1 November 2022





MINERALS

ASX Code: SVY

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