



**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

Read Corporate Resources Rising Stars Conference

8 June 2022



- This presentation contains only an overview of Stavely Minerals Limited ("Stavely" or the "Company") and its activities and operations. The contents of this presentation, including matters relating to the geology and exploration potential of the Company's projects, may rely on various assumptions and subjective interpretations which it is not possible to detail in this presentation and which have not been subject to any independent verification.
- This presentation contains a number of forward-looking statements. Known and unknown risks and uncertainties, and factors outside of the Company's control, may cause the actual results, performance and achievements of the Company to differ materially from those expressed or implied in this presentation.
- To the maximum extent permitted by law, Stavely does not warrant the accuracy, currency or completeness of the information in this presentation, nor the future performance of the Company, and will not be responsible for any loss or damage arising from the use of the information.
- The information contained in this presentation is not a substitute for detailed investigation or analysis of any particular issue. Current and potential investors should seek independent advice before making any investment decision in regard to the Company or its activities.



# A Modern Australian Copper-Gold Growth Company



- **First-mover position** – largest and most strategic tenement holding in the Stavelly Volcanic Belt, western Victoria
- **A committed explorer** – focused on making transformational mineral discoveries since \$6m IPO in 2014
- **Discovery**– outstanding shallow high-grade copper-gold-silver discovery (September 2019), the Cayley Lode
- **Resource drill-out complete** – targeting initial Mineral Resource estimate, imminent
- **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
- **Well-funded** – \$4.75m in cash (March 2022)



# Corporate Summary



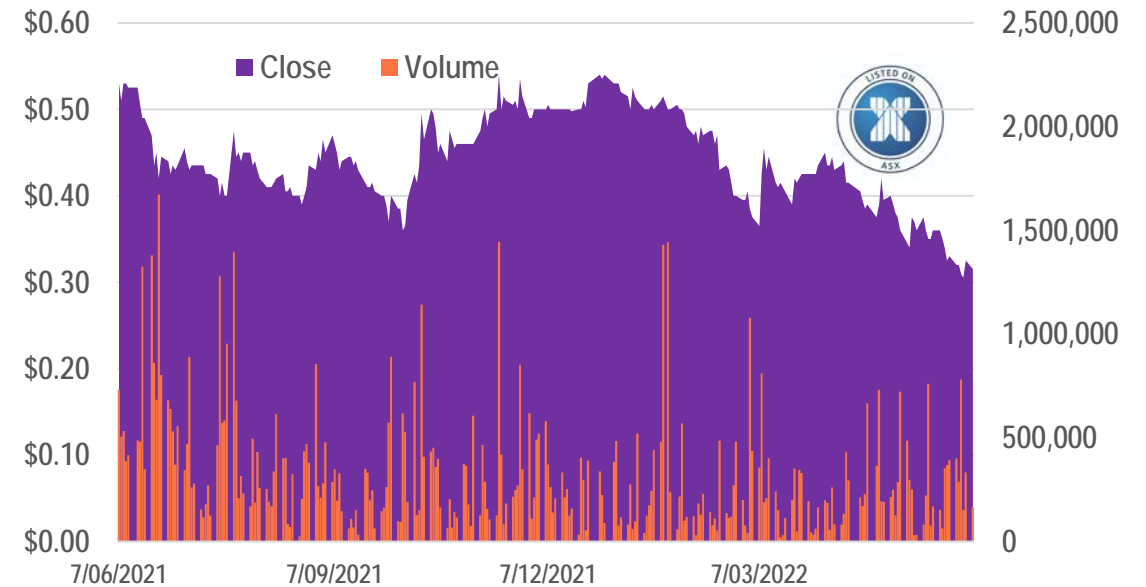
## CAPITAL STRUCTURE

ASX Ticker	SVY
Share Price (06/06/22)	\$0.315
Shares on Issue	261M
Cash (31/03/22)	\$4.75M
Market Capitalisation	\$82M
Management and Staff	~20% equity

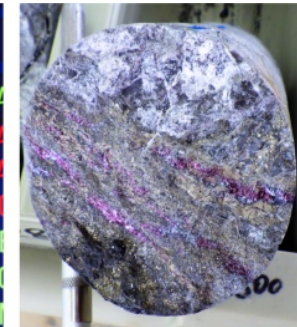
## Directors

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 6 June 2022



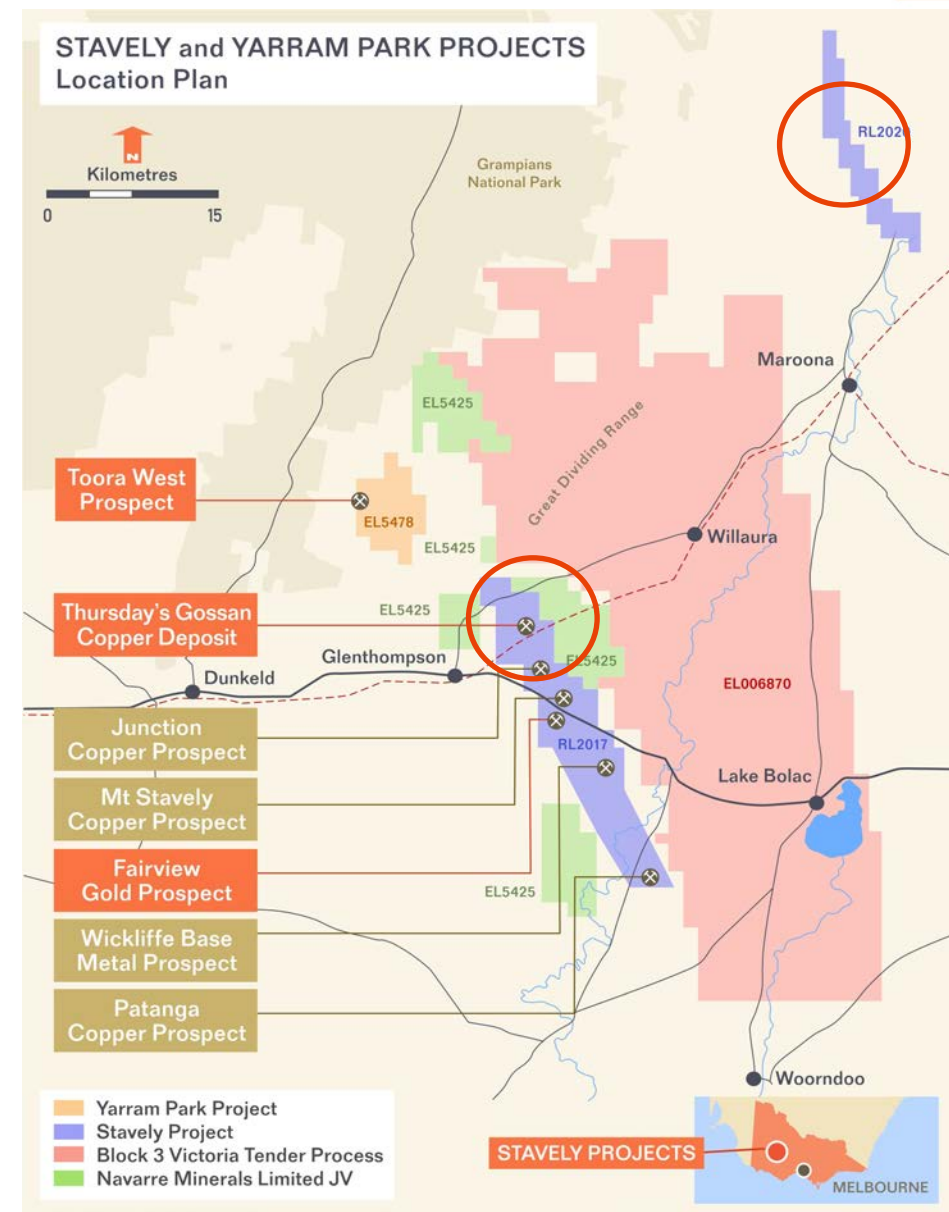
STOCK	BID	OFFER	LAST	VOL
MDLAX	0.006	0.007	0.000	0
MDX FINC	0.002	0.003	0.003	3M
MDVAX	0.000	0.000	0.000	0
MEC RES	0.022	0.023	0.023	1T
MEDIBANK	2.430	2.440	2.440	4M
** SEE-MEDBDA.A	0.000	0.000	0.000	0
MEDICAL AUSTRALIA	0.105	0.120	0.105	10T



# First-Mover Position in Victoria's Stavelly Arc

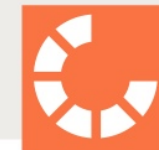


- Two cornerstone assets – 100%-owned **Stavelly** and **Ararat** Projects
- **1,461km<sup>2</sup> ground position** in Australia's new exploration hot-spot of western Victoria (Kirkland Lake – Fosterville)
- Majority of exploration since 2014 focused on Thursday's Gossan, targeting a **Tier-1, Cadia-style copper-gold porphyry system**





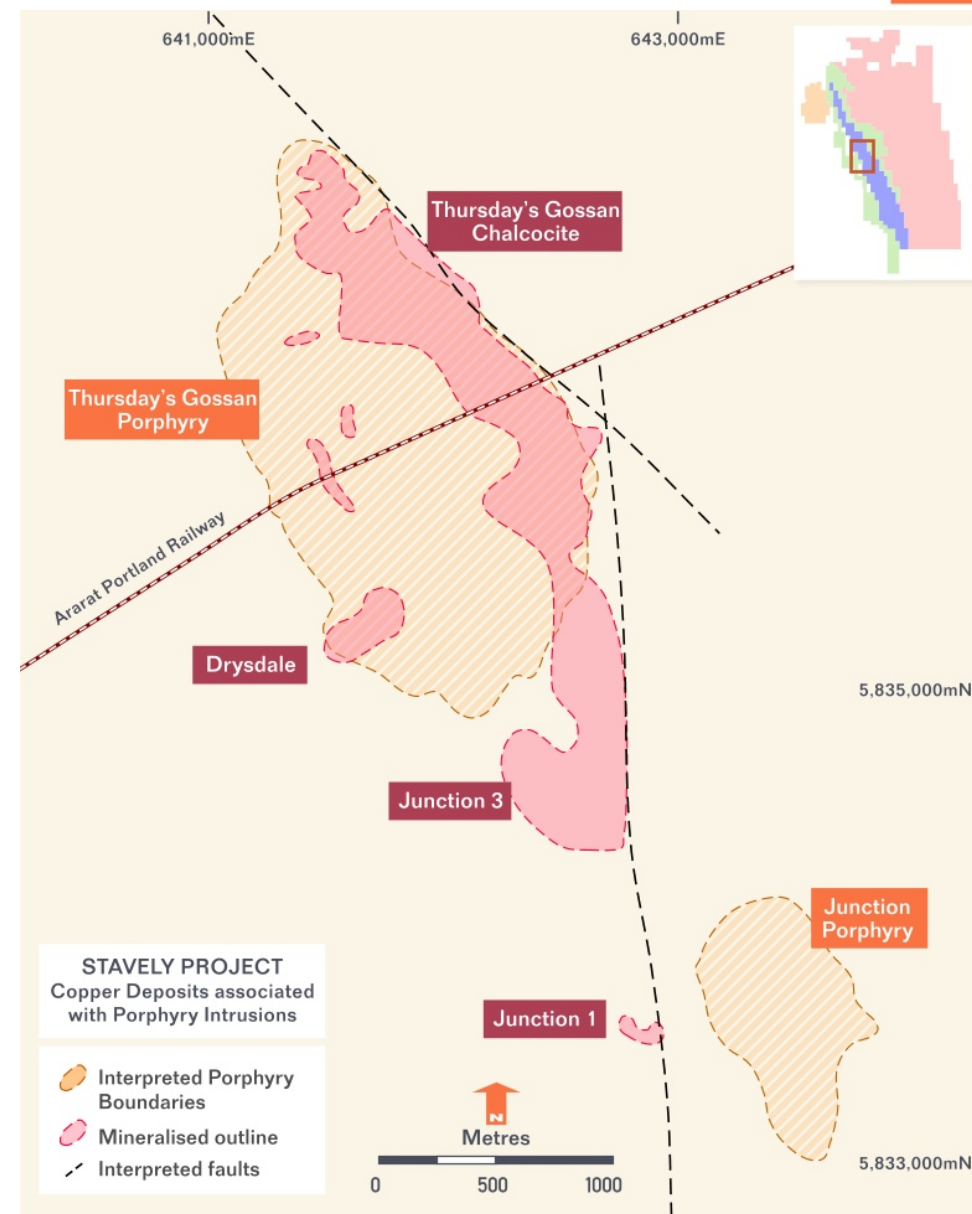
# Stavely Copper-Gold Project – Thursday's Gossan



- Thursday's Gossan includes an extensive chalcocite-enriched blanket occurring 30m to 80m below surface
- Inferred Mineral Resource of **28Mt at 0.4% copper<sup>1</sup>** for 110kt of contained copper in a chalcocite-enriched blanket
- Huge exposure to copper price upside
- **High-grade Cayley Lode initial Mineral Resource estimate due in early June**
- Mt Ararat Mineral Resource estimate of **1.3Mt at 2.0% copper, 0.5g/t gold, 5.7g/t Ag and 0.4% zinc<sup>1</sup>**

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

<sup>1</sup> reported in compliance with the JORC Code 2012, see ASX announcement 8 September 2015, subsequent Annual Reports and available from [www.stavely.com.au](http://www.stavely.com.au)

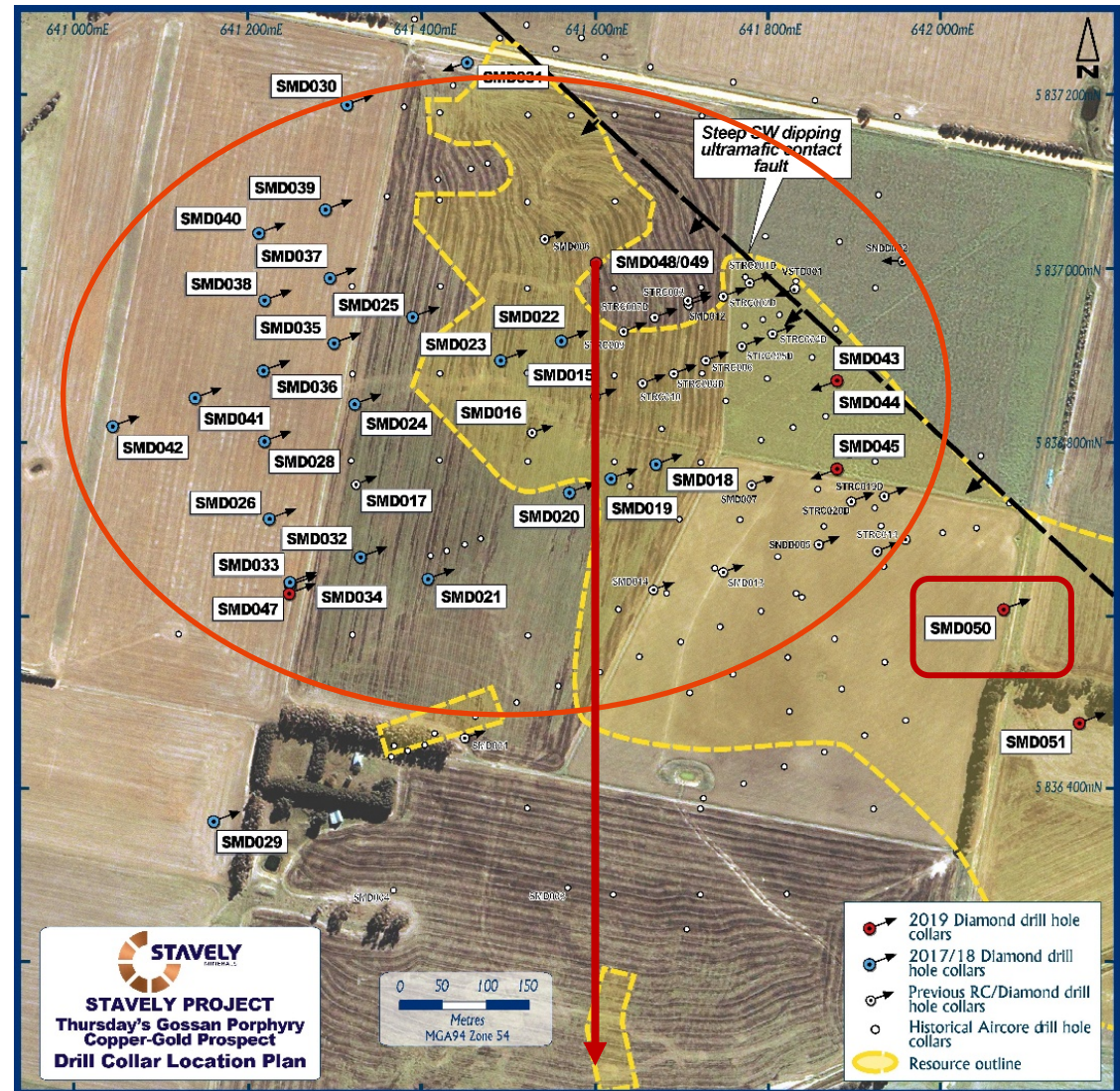


# Thursday's Gossan – The Story So Far



- 49 diamond drill-holes completed to depths of up to 1.8km targeting the elusive “core” of the porphyry system
- Strong indications of proximity to a buried porphyry with significant encouragement from assays, petrology and geochemistry
- **Significant breakthrough in September 2019** following decision to target a shallow, structurally controlled target along the steeply-dipping Ultramafic Contact Fault

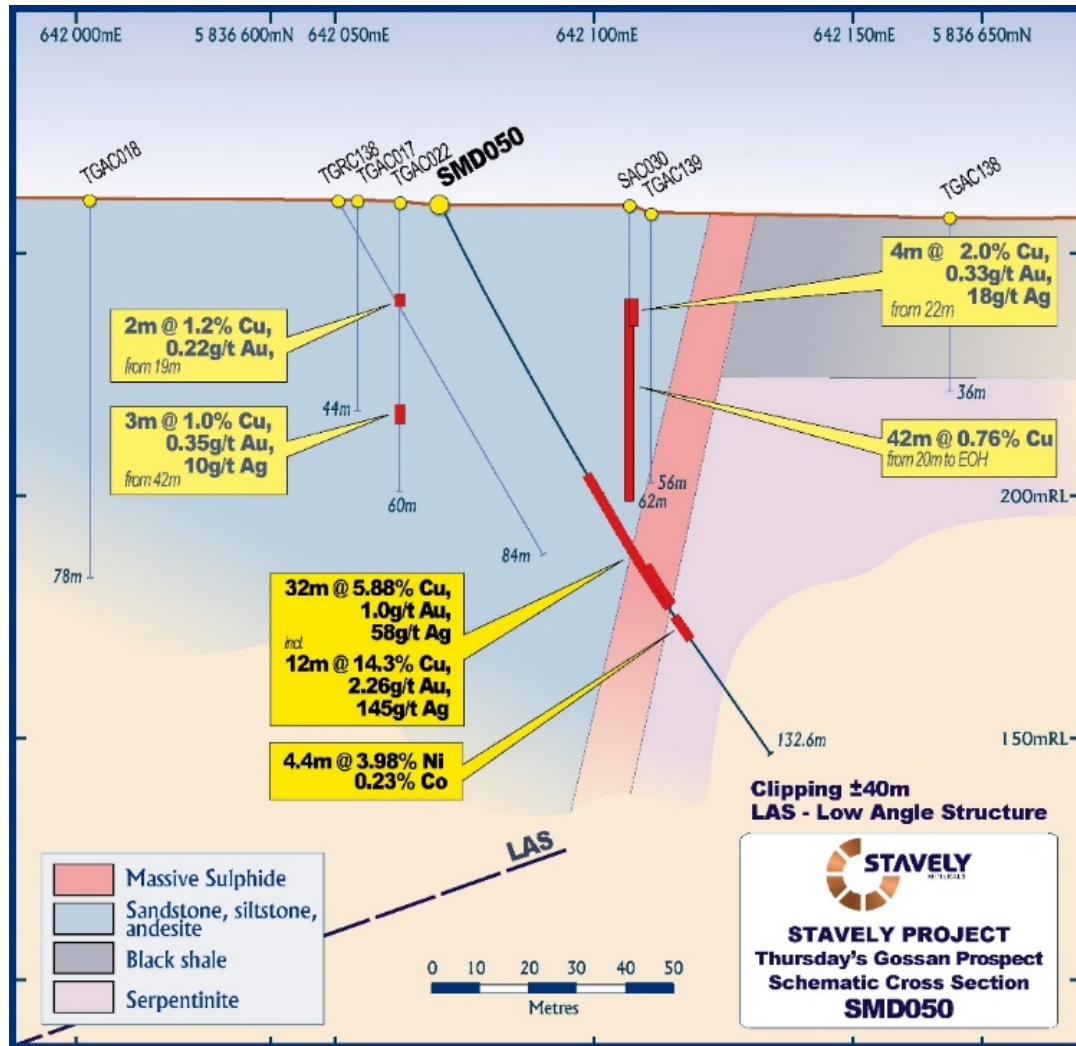
**Hole SMD050 was a game changer**



See ASX announcement 26/09/2019 and available from [www.stavely.com.au](http://www.stavely.com.au)



# 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



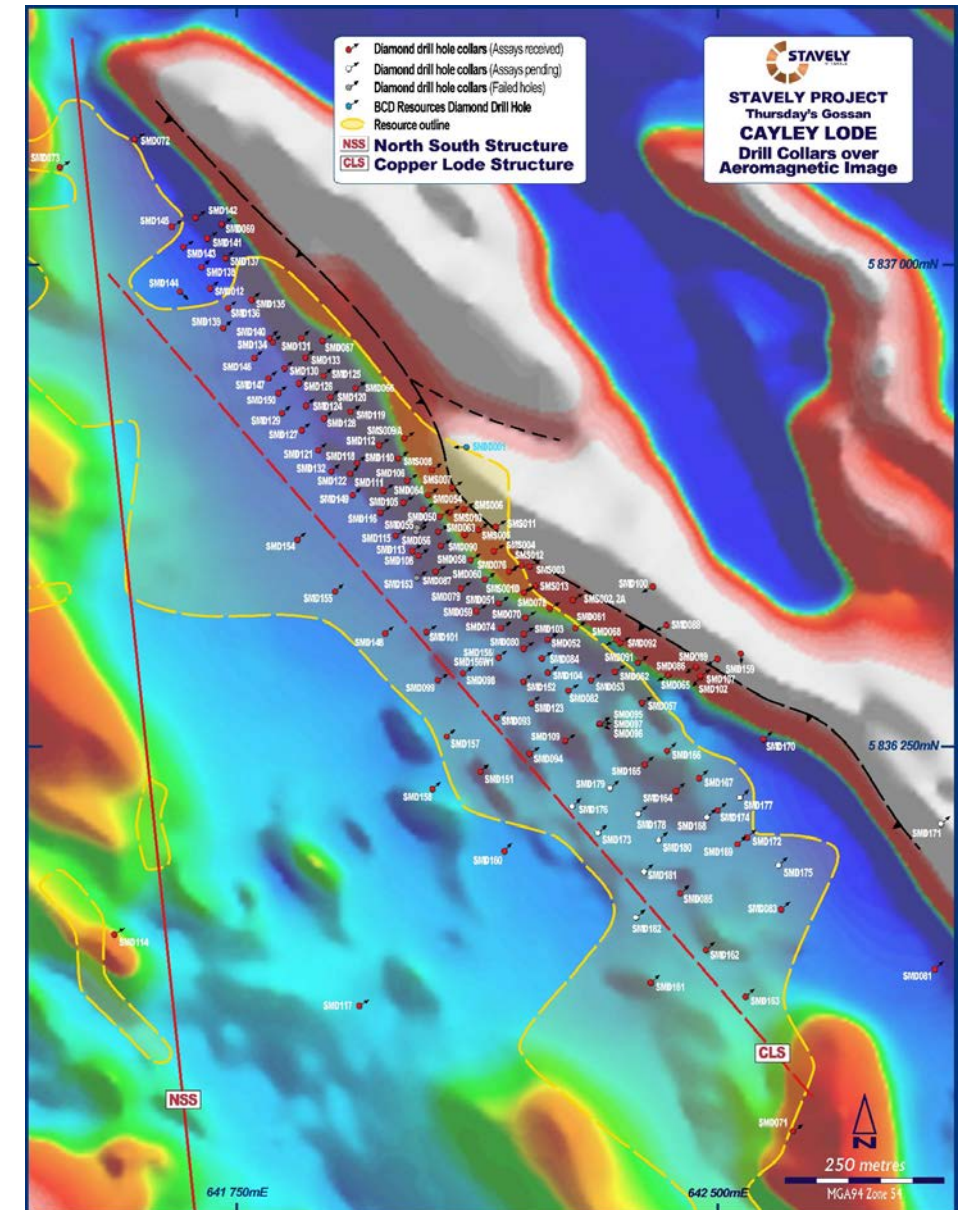
See ASX announcement 26/09/2019 and available from [www.stavely.com.au](http://www.stavely.com.au)



# Cayley Lode Discovery – Shallow, High-Grade Mineralisation



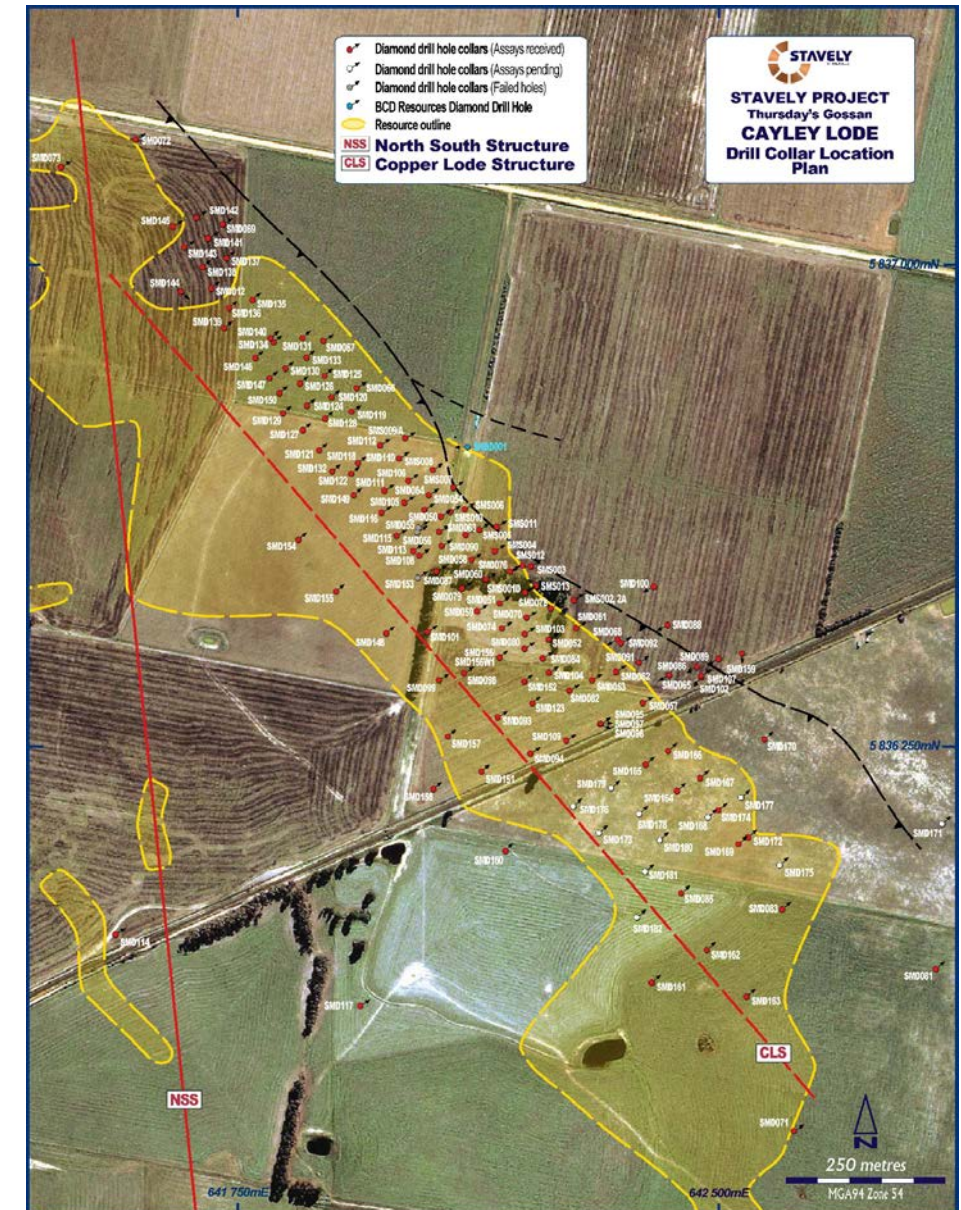
- Magma / Butte copper lode-style system – outstanding exploration target never before seen in Australia
- Mineralisation so far defined over ~1.5 km strike length to ~400m depth, averaging 10-50m thickness
- Resource drilling complete on ~40m X 40m drill pattern
- Mineralisation remains open along strike and down-dip
- Initial Mineral Resource expected in June '22



# 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 ~300m depth, averaging 10-50m thickness
- Resource drilling complete on ~40m X 40m drill pattern
- Mineralisation remains open along strike and down-dip
- Initial Mineral Resource expected June '22





# Cayley Lode Discovery – Amenable to Open Pit and UG



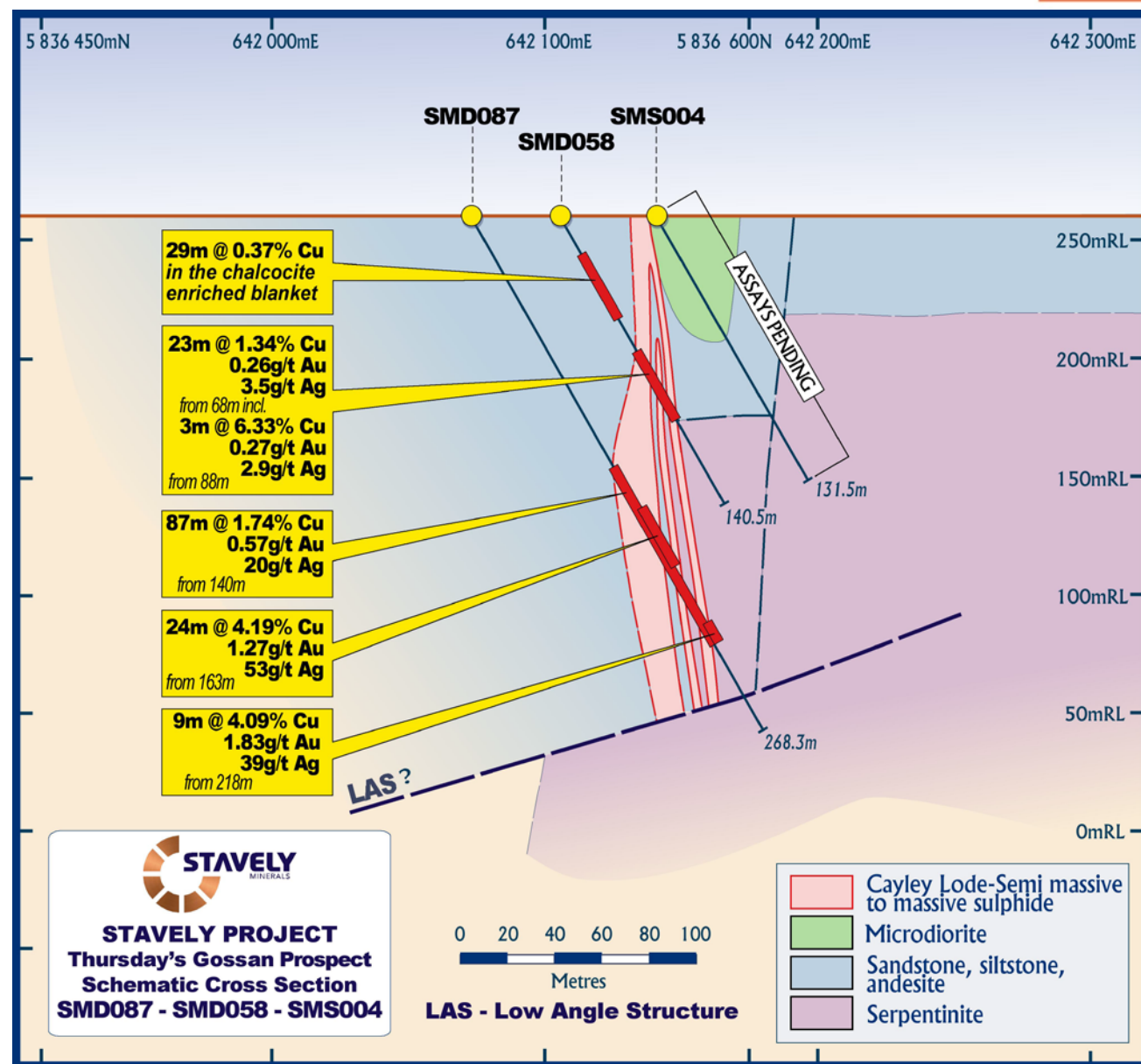
## SMD087

- 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

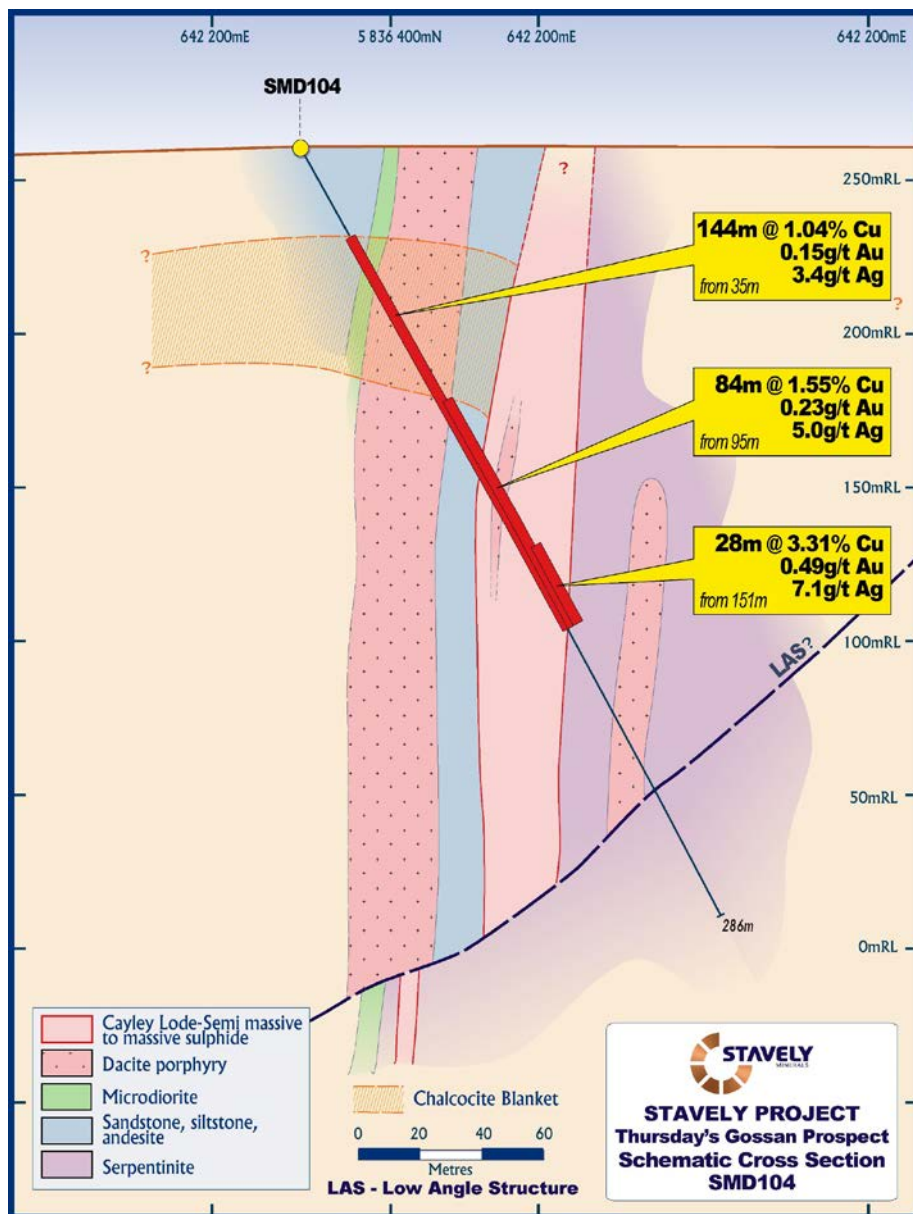
Typical of most Cayley Lode intercepts:

- 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](http://www.stavely.com.au)



# Cayley Lode Discovery – Big Intercepts



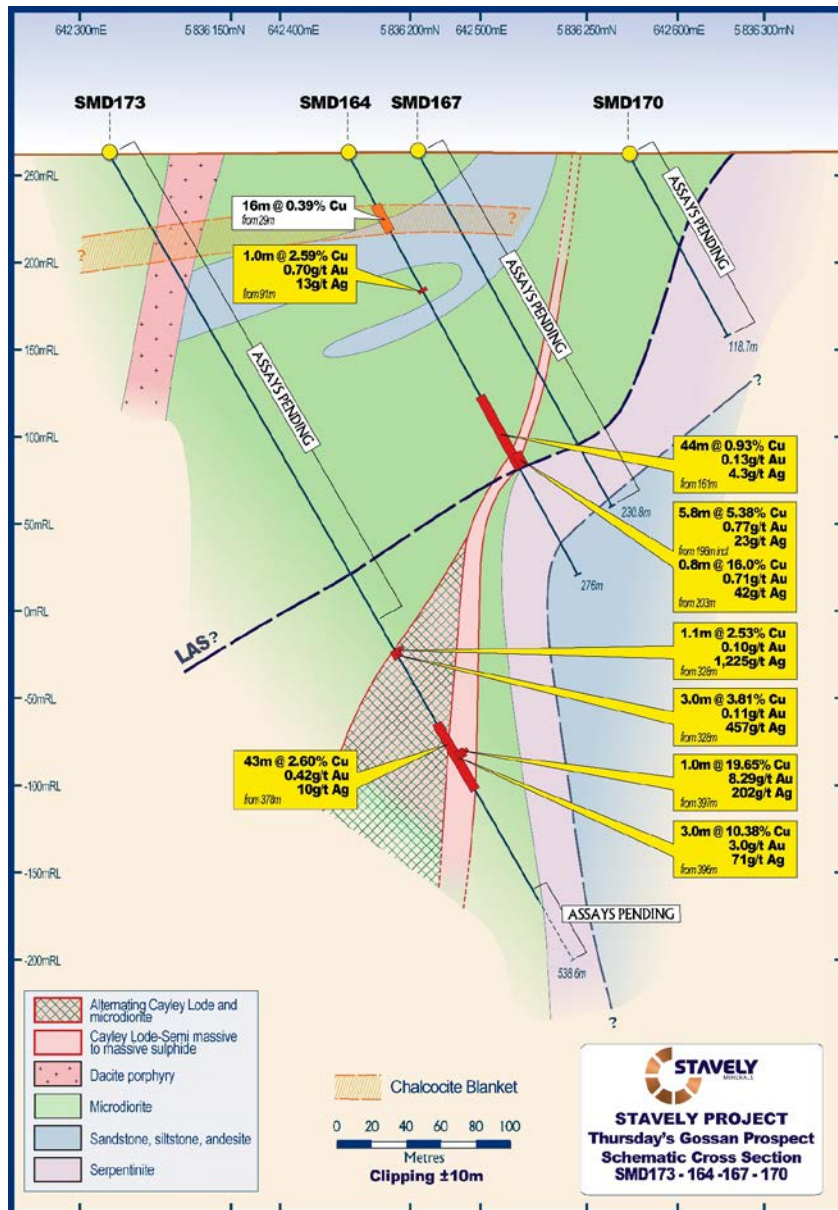
## SMD104

- 144m at 1.04% copper, 0.15g/t gold and 3.4g/t silver, from 35m drill depth, including:
  - 84m at 1.55% copper, 0.23g/t gold and 5g/t silver from 95m, including:
    - 28m at 3.31% copper, 0.49g/t gold and 7.1g/t silver

See ASX announcement 28/10/2020 and available from [www.stavely.com.au](http://www.stavely.com.au)



# Cayley Lode Discovery – Structurally Controlled



## SMD173

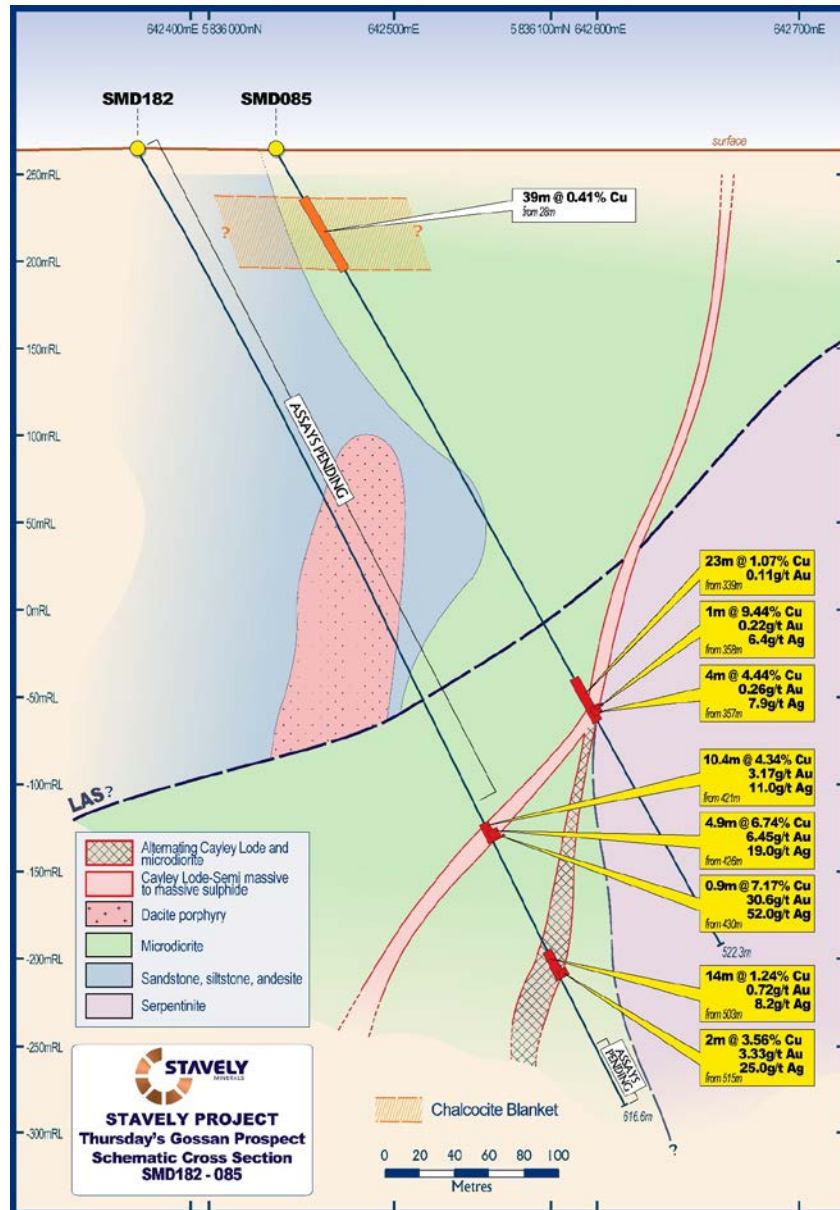
- 43m at 2.60% copper, 0.42g/t gold and 10g/t silver, from 378m drill depth, including:
- 3m at 10.38% copper, 3.0g/t gold and 71g/t silver from 396m, including:
- 1m at 19.65% copper, 8.29g/t gold and 202g/t silver from 397m



Chalcopyrite+quartz-filled fractures in chlorite+quartz-altered microdiorite. 390.6m.

See ASX announcement 08/03/2022 and available from [www.stavely.com.au](http://www.stavely.com.au)

# Cayley Lode Discovery – Structurally Controlled



## SMD182

- 10.4m at 4.34% copper, 3.17g/t gold and 11g/t silver, from 421m drill depth, including:
- 4.9m at 6.74% copper, 6.45g/t gold and 19g/t silver from 426m, including:
- 0.9m at 7.17% copper, 30.6g/t gold and 52g/t silver from 430m

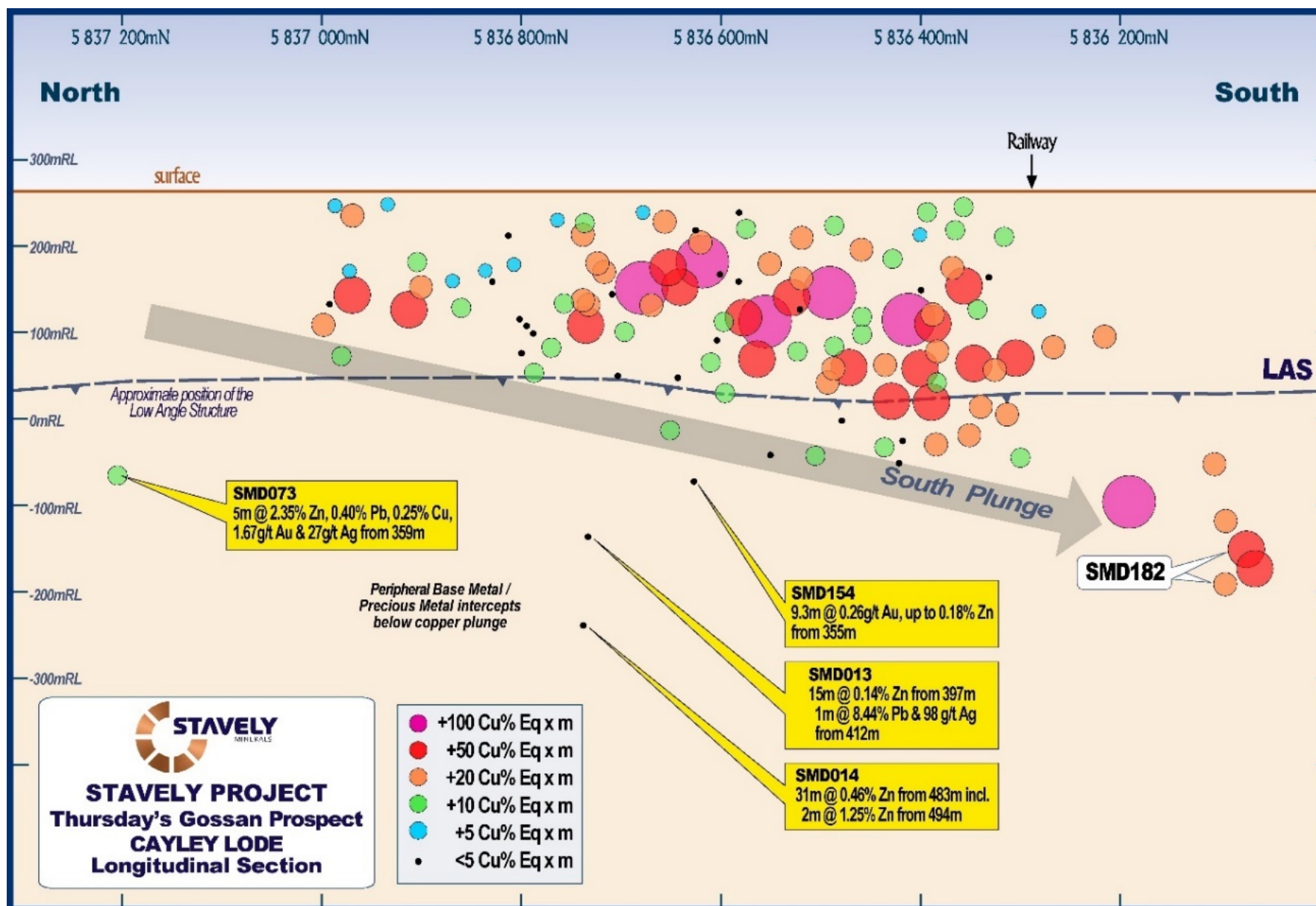


Hematite - specular hematite – magnetite – quartz – chalcopyrite at 423.5m (cut surface).

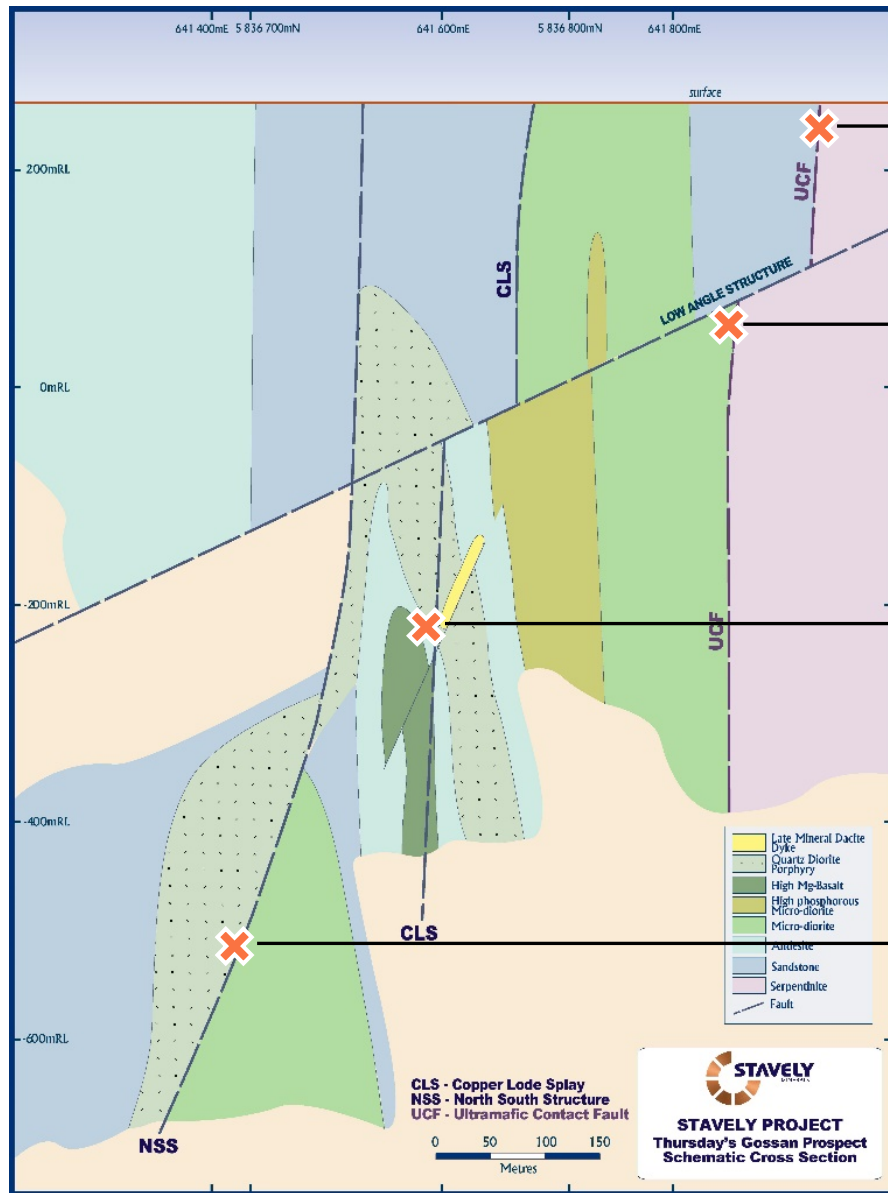
See ASX announcement 27/04/2022 and available from [www.stavely.com.au](http://www.stavely.com.au)



# Cayley Lode Discovery – Resource Drilling Long Section



# 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**

**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**

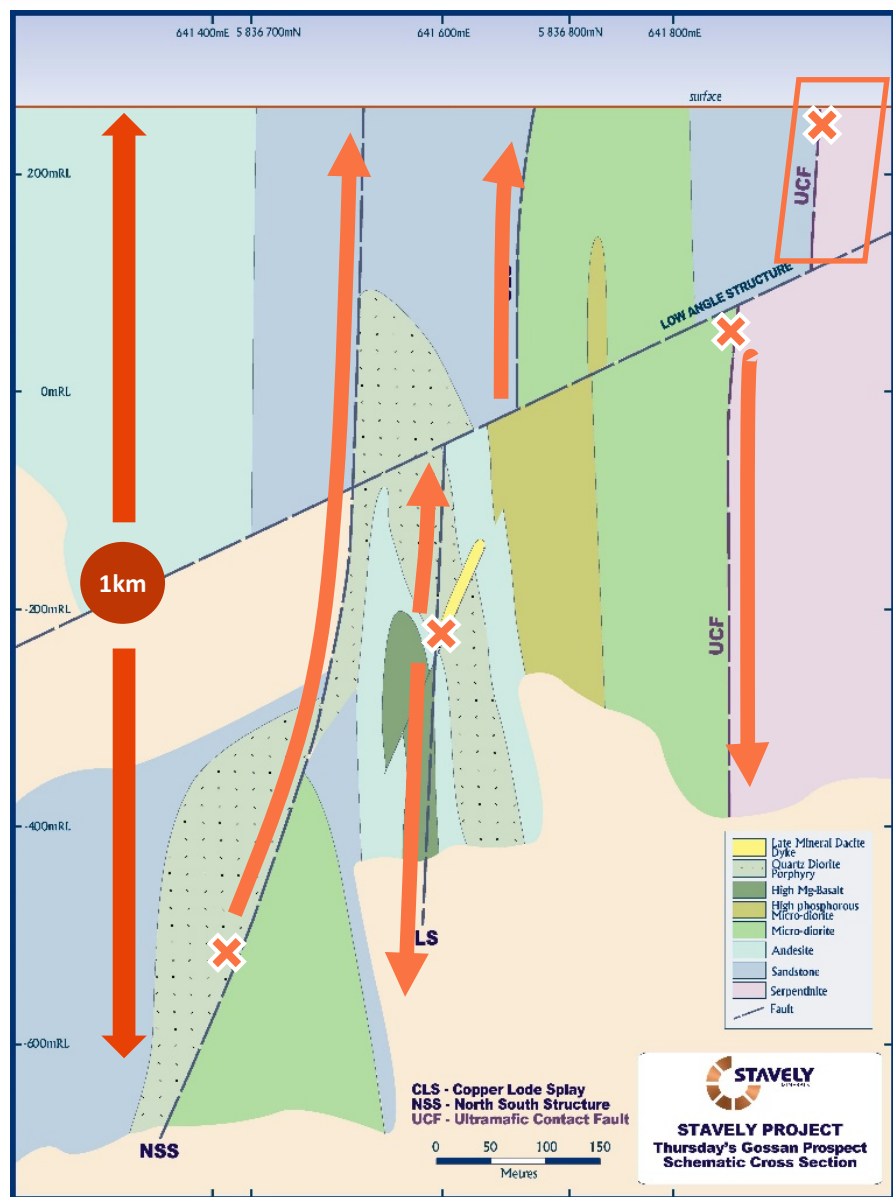
**SMD044: 38.3m at 1.59% copper, 0.27g/t gold and 8g/t silver, from 890m drill depth on the NSS**

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

See ASX announcements 8/03/2022, 26/09/2019, 23/04/2019, 12/03/2019, 18/12/2018 and available from [www.stavelly.com.au](http://www.stavelly.com.au)



# Current Programs – Systematic Exploration Approach

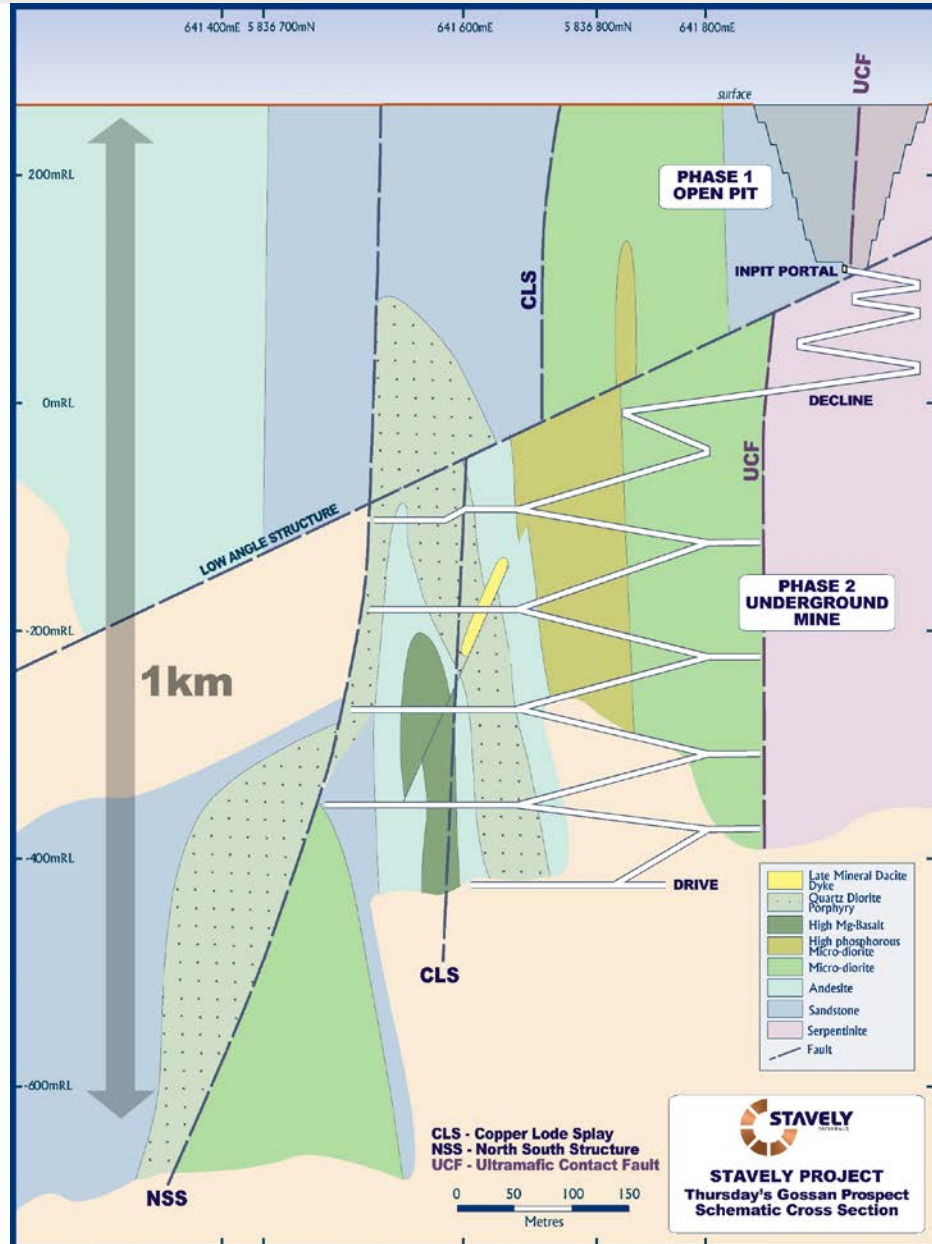


1. Completed - shallow Resource drill-out on Ultramafic Contact Fault (Cayley Lode)
2. Continue to define mineralisation on the Ultramafic Contact Fault below the Low Angle Structure
3. Bring mineralisation in the Copper Lode Splay closer to surface
4. Extend the Copper Lode Splay at depth
5. Bring mineralisation in the North-South Structure closer to surface
6. Test regional targets



Big Bang opportunity – find the porphyry, it's still out there!

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



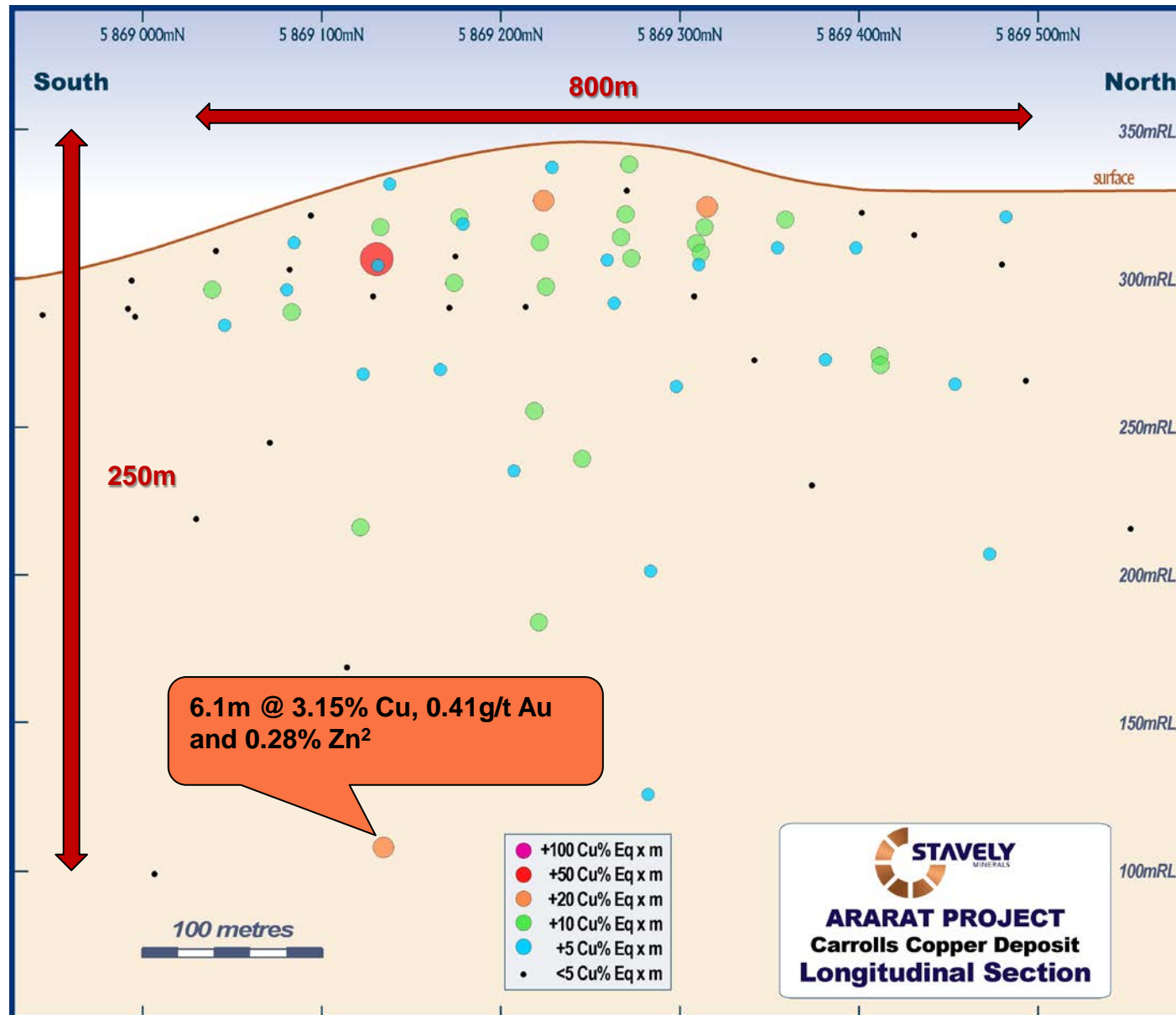
1. A Phase-1 open pit based on high-grade structurally-controlled mineralisation drives an open pit that also captures a significant proportion of the 28Mt at 0.4% copper secondary chalcocite-enriched blanket
2. A Phase-2 underground is developed from the base of the Phase-1 open pit and spirals between mineralised lodes on either side of the decline
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](http://www.stavely.com.au)





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



- Mineral Resource estimate of **1.3Mt at 2.0% copper, 0.5g/t gold, 5.7g/t Ag and 0.4% zinc<sup>1</sup>**
- 800m of strike and drilled to 250m depth
- Lots of potential further at depth
- Yet to see the 'sulphide mound' and footwall feeder alteration / mineralisation zone, so the best could be at depth

<sup>1</sup> reported in compliance with the JORC Code 2012, see Stavely Minerals IPO prospectus, subsequent Annual Reports and available from [www.stavelly.com.au](http://www.stavelly.com.au)



- Completed - Mineral Resource drill-out of shallow mineralisation of the Cayley Lode
- Complete initial Mineral Resource estimate (MRE) - imminent
- Re-deploy drills to define the Cayley Lode at depth – this will lay the foundation for a Phase 2 underground
- Drill define the Carroll's VMS at depth seeking the sulphide mound and footwall feeder zone
- Bring in parallel mineralised structures ie. the Copper Lode Splay – this could be accessed by the same underground infrastructure and may influence the Phase 1 Open Pit
- The objective is to demonstrate that a Phase 1 Open Pit underpins the development and the underground represents a multi-decade mine-life accessing multiple mineralised structures –
  - *lots of drilling to be done*
  - *Metallurgy and geotechnical studies in-progress, environmental and ground water monitoring in-progress*
  - *Modifying Factors yet to be applied in various stages of economic studies*
- Drill test regional targets





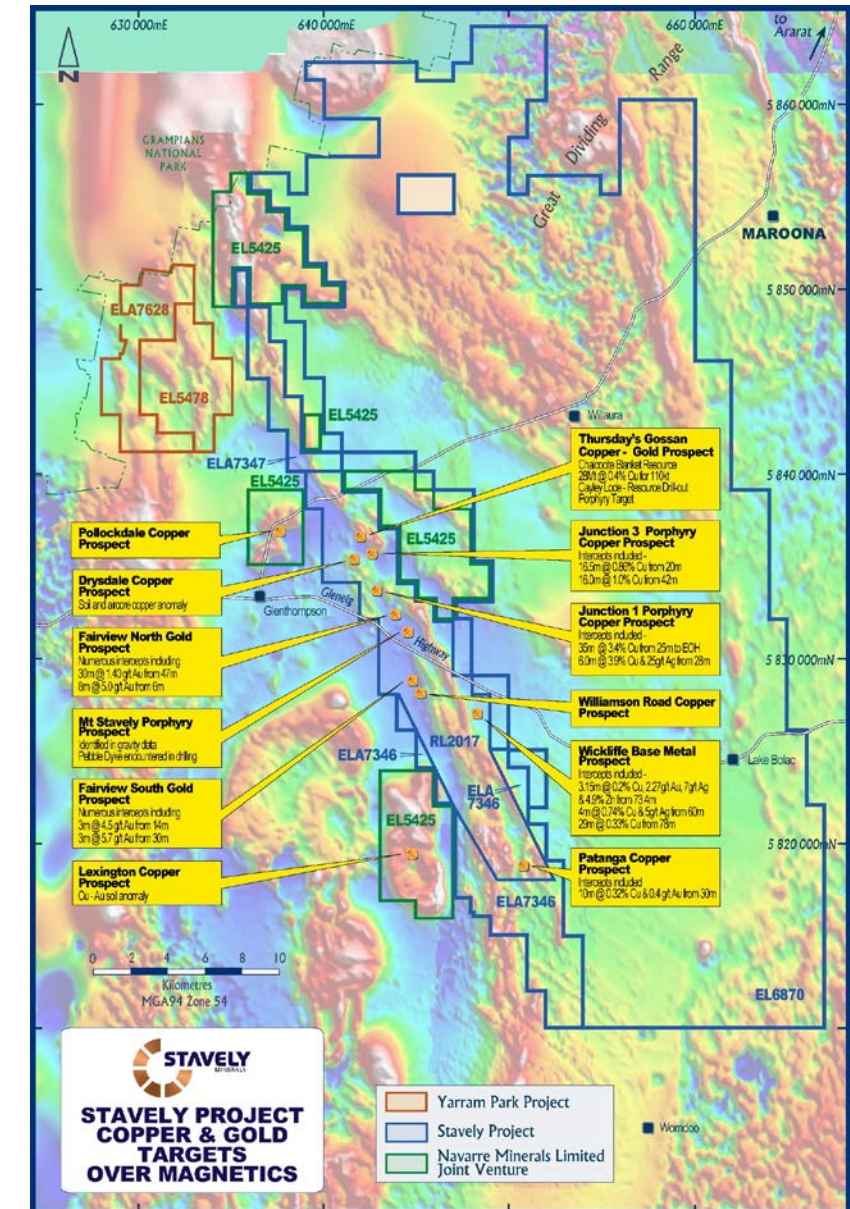
# REGIONAL EXPLORATION



# Regional Exploration – Massive Opportunity for Discovery



- Despite previous exploration by industry 'top dogs' Newcrest, Rio Tinto, CRA Exploration and North Limited, Stavely Minerals has a 'first mover' advantage
- Almost 1,500km<sup>2</sup> of tenure covering ~115km of porphyry-prospective volcanic arc segments
- Known prospects occur largely within a ~20km window of sub-crop – this is what the majors focused on
- The other ~95km of prospective arc rocks are covered by younger cover or younger basalt – this is Stavely's first mover advantage

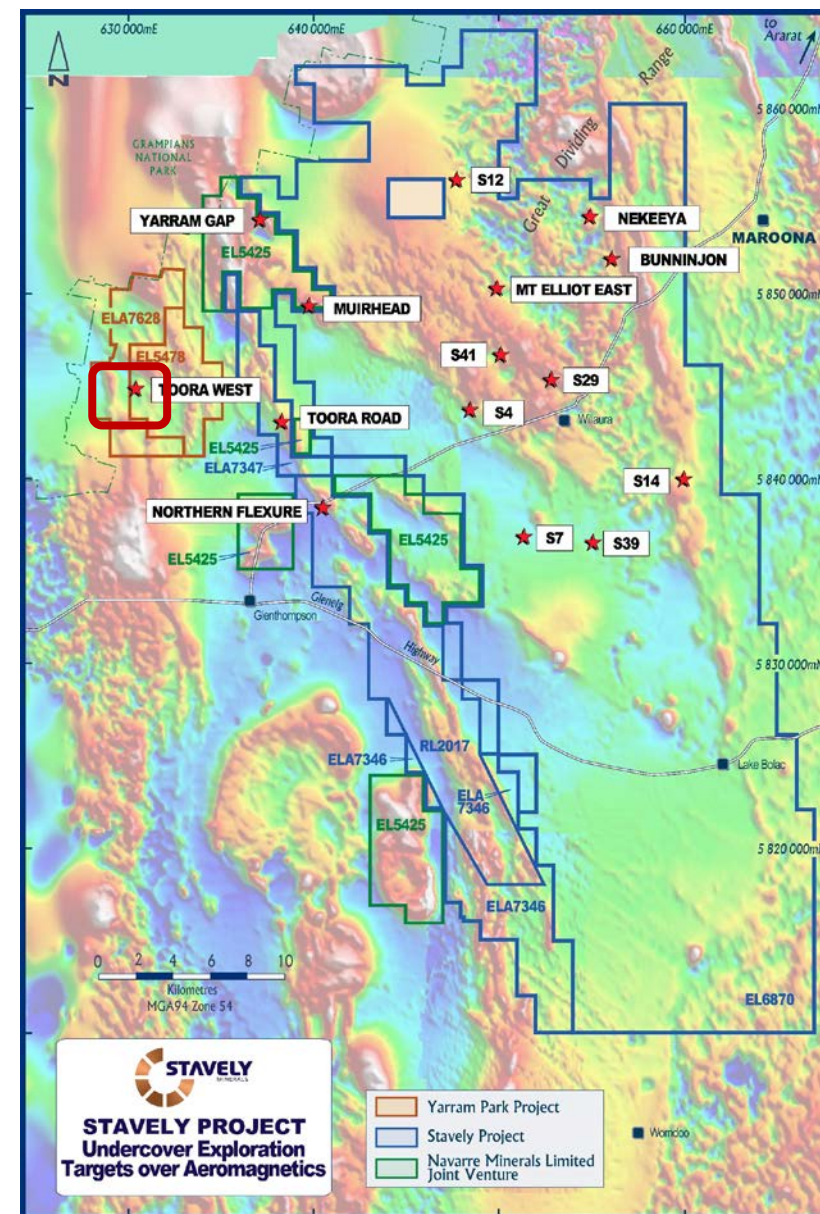




# Regional Exploration – Massive Opportunity for Discovery



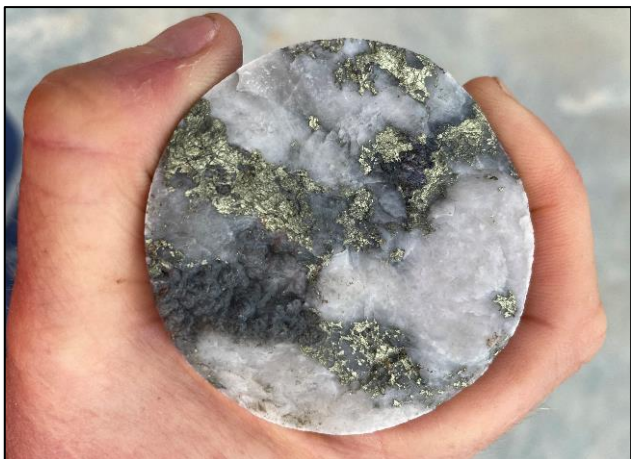
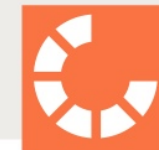
- The team has identified 19 regional targets and have active aircore and soil auger programmes
- Emerging discovery at Toora West
- 'Blind' discovery under 30m of younger transported cover
- 4 diamond drill holes completed this season
- Very important implication:
  - *The Stavely Minerals' geology team has developed a targeting methodology that has identified porphyry-style copper-molybdenum mineralisation under cover*
  - *This methodology can be extended throughout the ~1,500km<sup>2</sup> tenure held by Stavely Minerals*



See ASX announcement 14/10/2021 and available from [www.stavely.com.au](http://www.stavely.com.au)



# Regional Exploration – Toora West Discovery

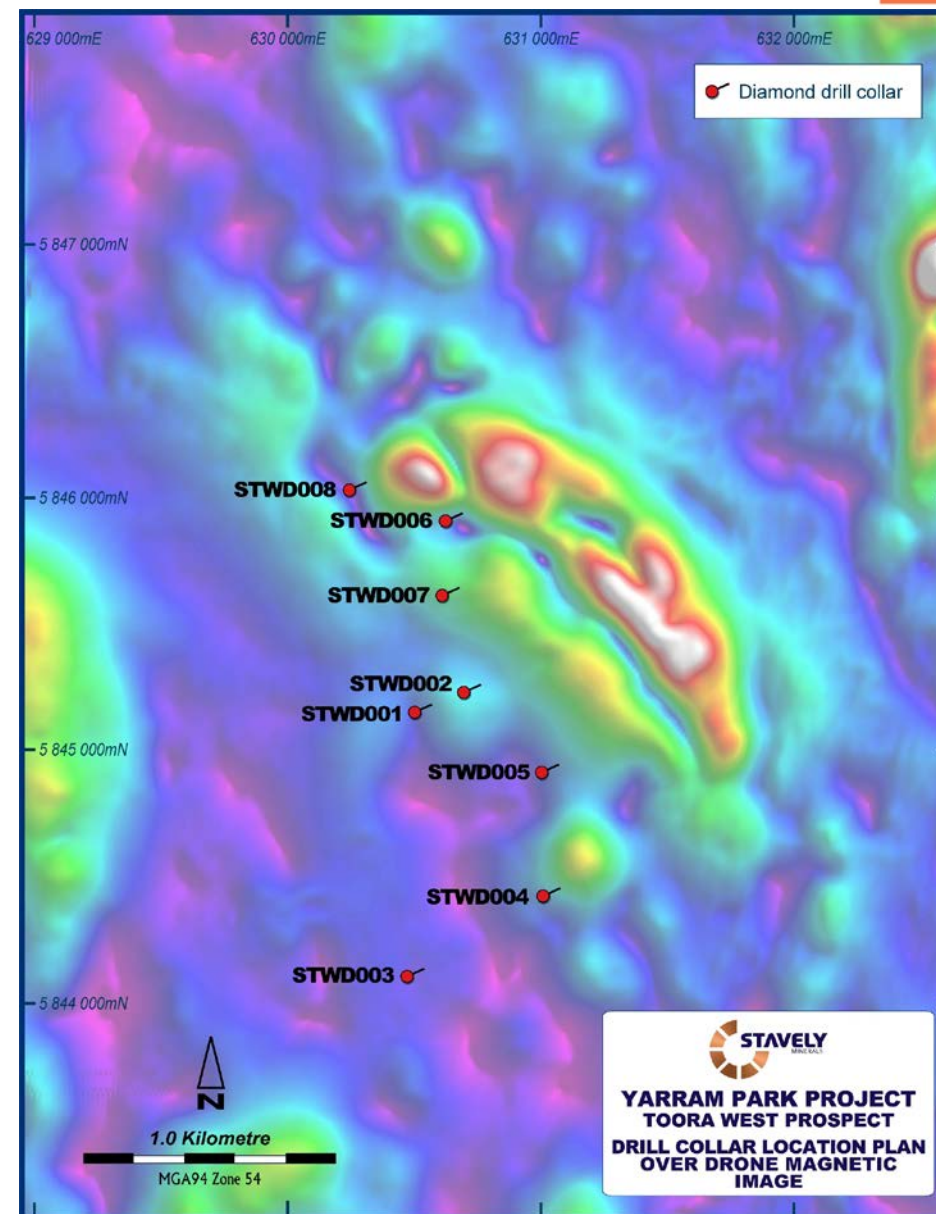


Massive quartz vein with chalcopyrite and molybdenite, STWD005 at 287m – 0.6m @ 8.72g/t Au, 1.85% Cu, 5.2g/t Ag & 151ppm Mo



Quartz-chalcopyrite-pyrite veins in basaltic andesite. Magnetite (not seen) also occurs in these veins, STWD007 at 290.65m - 1m at 0.25% Cu within 27m at 0.14% Cu from 268m

See ASX announcement 24/03/2022 and available from [www.stavely.com.au](http://www.stavely.com.au)







Activity	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22
Toora West Diamond Drilling							
Regional Exploration							
Mineral Resource Drilling							
Receipt of Resource Drilling Assays							
Mineral Resource Estimate							
Scoping Study							

# 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



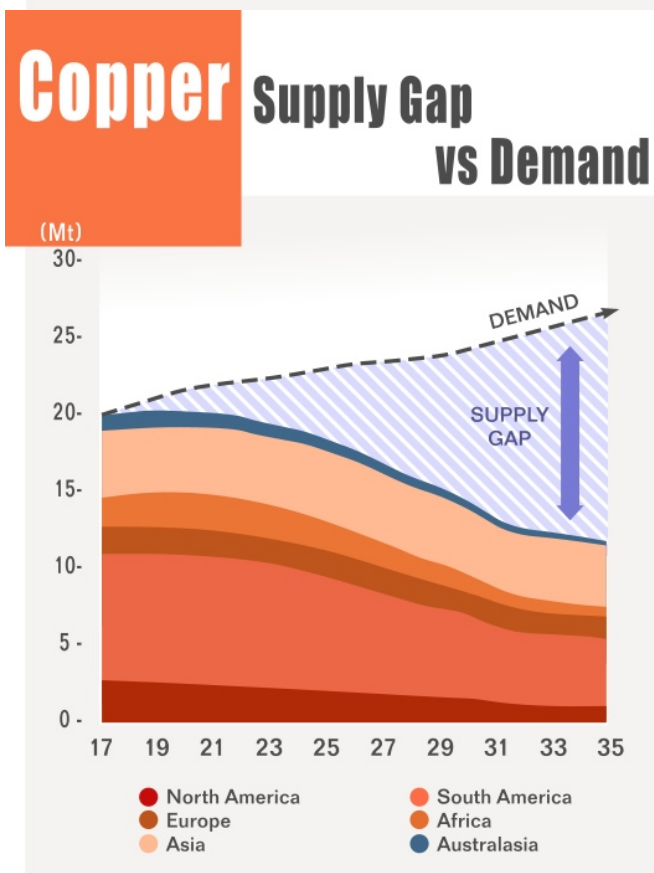
4 x more copper in an electric car than one with an internal combustion engine



6 types of bacteria killed by copper surfaces



# Copper...Compelling Market Fundamentals



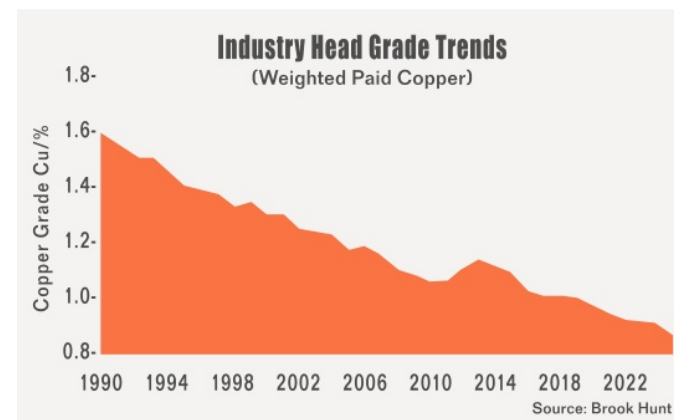
CRU estimates a 15 million tonne copper supply deficit by 2035

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 (1,461km<sup>2</sup>) 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 is days away
- ✓ Outstanding potential for an all-new porphyry province – multiple targets to be tested before the end of the year – still waiting on regional exploration assays







ASX Code: SVY

**Contact Us:**  
**Stavely Minerals Limited**  
Level 1, 168 Stirling Highway  
Nedlands WA 6009  
[www.stavely.com.au](http://www.stavely.com.au)  
[info@stavely.com.au](mailto:info@stavely.com.au)  
Ph: 08 9287 7630

The information in this presentation is extracted from information available to view on [www.stavely.com.au](http://www.stavely.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.