



Finding the energy metals the world needs for a low-carbon future

High-Impact Exploration in Emerging Copper and Nickel Provinces
November 2024



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What does Stavely Minerals offer that is different?



BIG targets



Stavely Project - Thursday's Gossan Prospect

- High-Grade Cayley Lode Cu-Au-Ag discovery
 - **9.3Mt at 1.23% Cu, 0.23g/t Au and 7.1g/t Ag²**
- Junction Lode
 - *35m at 3.44% Cu and 26g/t Ag*
 - *New structural interpretation provides discovery opportunity*
 - *Recent aircore drilling results are impressive – follow-up diamond drilling in-progress*
- S41 Breccia-Hosted Gold
 - *~2km long x 750m wide hydrothermal breccia, potential for scale*
 - *only 1 x diamond drill hole to date*
 - *Carbonate – base metal – gold system eg.: Kidston, Mt Leyshon, Kelian*



Hawkstone Magmatic Ni-Cu-Co Project¹

- Adjacent to IGO / Buxton Merlin / Double Magic discovery – ave. 8% Ni tenor, new Dogleg discovery – emerging magmatic nickel province
 - *Eg. Nova & Bollinger, Jinchuan, Voisey's Bay*

¹see ASX announcement 23 May 2023

²See ASX announcement 14 June 2022, Appendix 1



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ASX Code: SVY

Stavelly Project

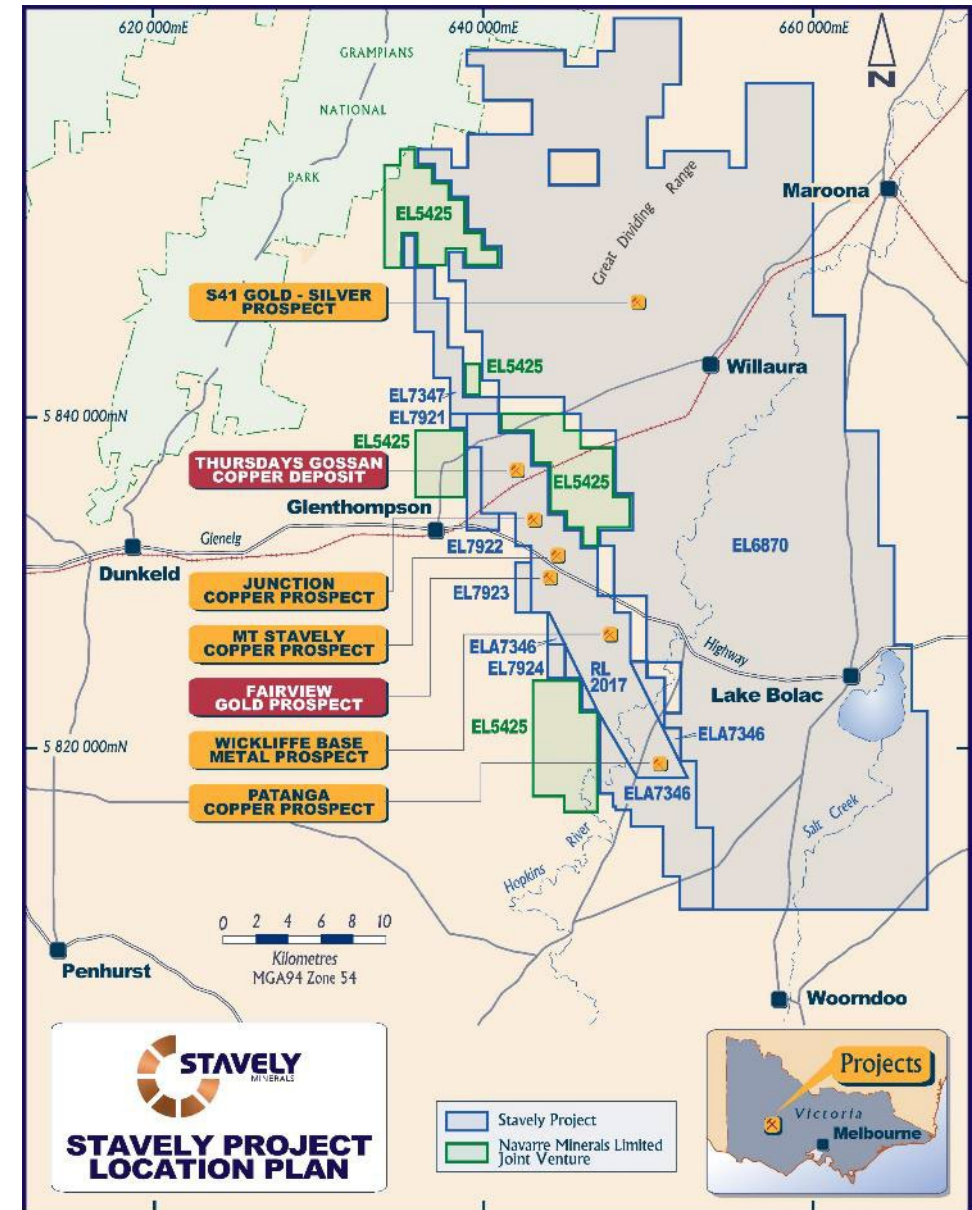
Stavely Project



- **Discovery** – outstanding shallow high-grade copper-gold-silver discovery (September 2019), the **Cayley Lode**
- **Multiple regional discovery opportunities:**
 - *Junction Lode – 35m at 3.44% Cu and 26g/t Ag from 24m to end of hole*
 - *New structural interpretation opens immediate discovery opportunity and recent aircore drilling assays impressive:*
 - *14m @ 3.24% Cu, 34.5g/t Ag from 34m drill depth in SJAC105, including:*
 - *8m at 4.62% Cu and 49.5g/t Ag from 34m, including:*
 - *2m at 6.47% Cu and 59.5g/t Ag from 36m*
 - *48m at 1.60% Cu and 14.8g/t Ag from 2m drill depth in SJAC112, including:*
 - *8m at 2.53% Cu and 26.1g/t Ag from 34m*
 - *Diamond drilling under these shallow intercepts in-progress*
 - *S41 breccia-hosted gold – 2km x 750m breccia pipe*
 - *Only 1 x diamond drill hole in large system, scale potential*

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

² see ASX announcement 3 October 2023



The Cayley Lode Mineral Resources Estimate



- **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



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

² see ASX announcement 9 May 2024



Junction Lode Discovery Opportunity

Junction Lode Discovery Opportunity

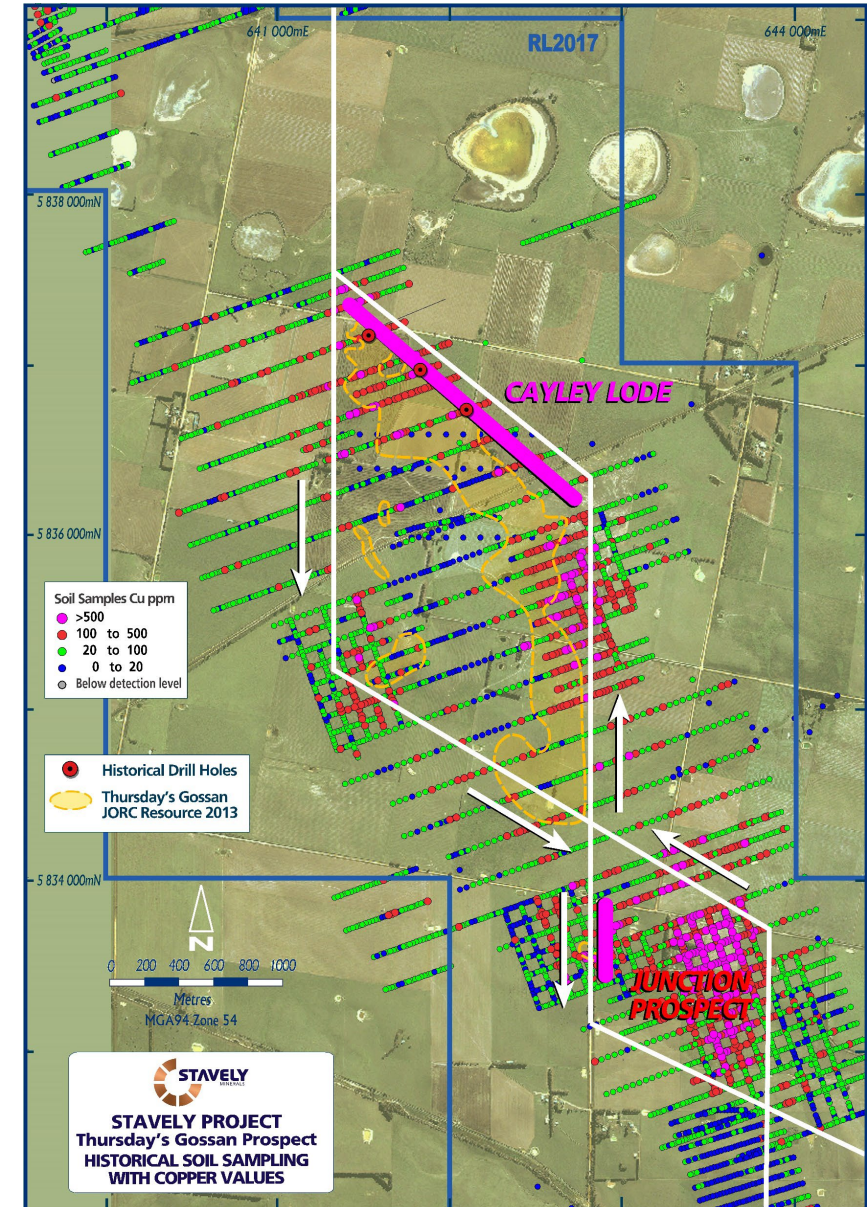


Junction is the largest copper in soil auger anomaly in the entire Stavely Project, located ~2km south of the Cayley Lode.

Historic intercepts at the Junction Prospect include¹:

- 35m at 3.44% Cu and 26g/t Ag from 24m drill depth to end-of-hole (EoH) in TGAC078
- 11m at 1.72% Cu and 26g/t Ag from 33m in TGRC087
- 6m at 2.15% Cu and 8g/t Ag from 2m and 6m at 3.90% Cu and 25g/t Ag from 28m to EoH in PENP004
- 6m at 1.52% Cu and 19g/t Ag from 42m, 5m at 1.12% Cu and 10g/t Ag from 62m; and 6m at 1.77% Cu and 21g/t Ag from 72m to EoH in TGRC110
- 6m at 1.65% Cu and 16g/t Ag from 37m in TGRC109

¹ see ASX announcement 14 May 2024



Junction Lode Discovery Opportunity

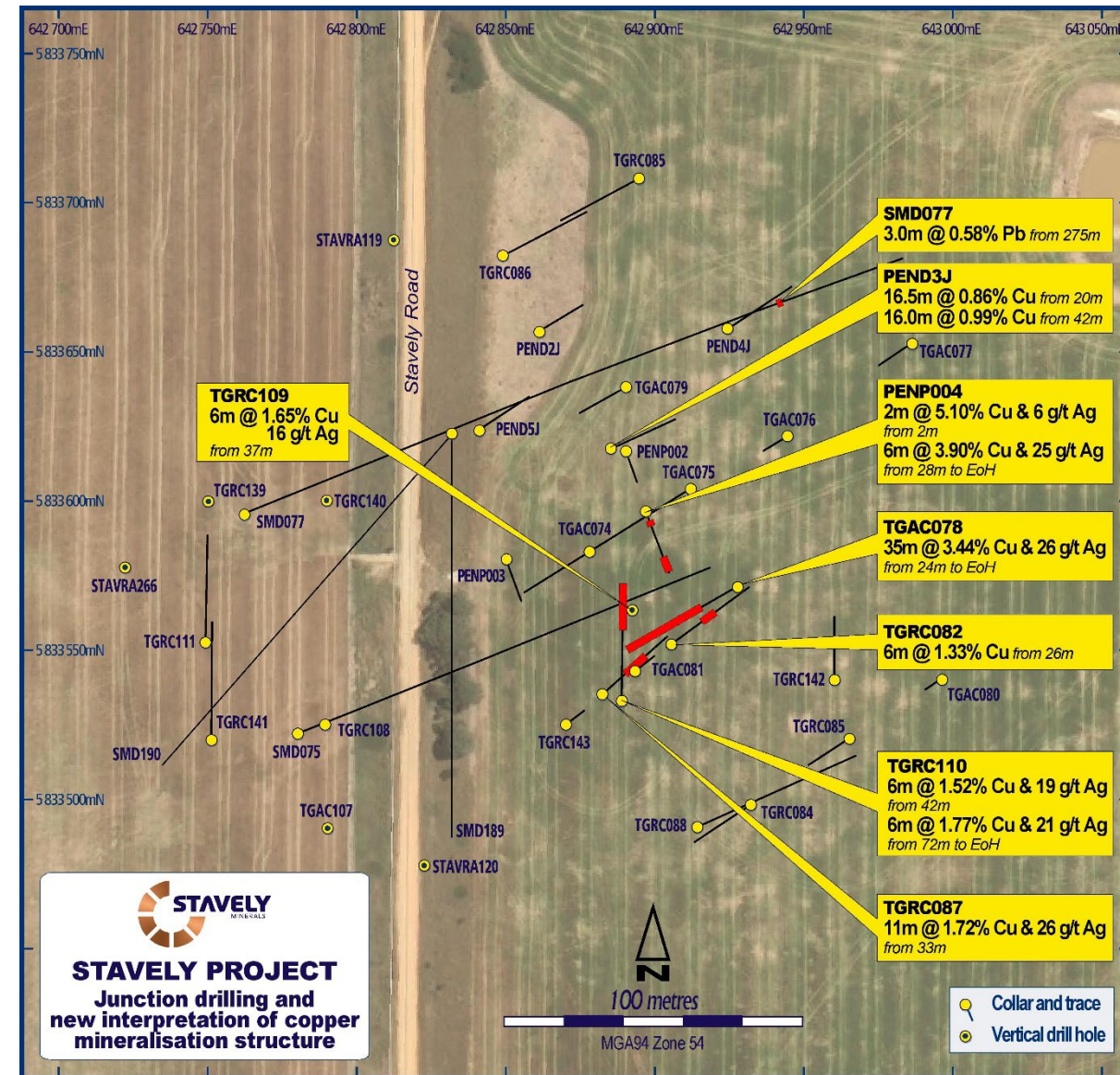


Historic intercepts at the Junction Prospect include¹:

- 35m at 3.44% Cu and 26g/t Ag from 24m drill depth to end-of-hole (EoH) in TGAC078
- 11m at 1.72% Cu and 26g/t Ag from 33m in TGRC087
- 6m at 2.15% Cu and 8g/t Ag from 2m and 6m at 3.90% Cu and 25g/t Ag from 28m to EoH in PENP004
- 6m at 1.52% Cu and 19g/t Ag from 42m, 5m at 1.12% Cu and 10g/t Ag from 62m; and 6m at 1.77% Cu and 21g/t Ag from 72m to EoH in TGRC110
- 6m at 1.65% Cu and 16g/t Ag from 37m in TGRC109

All previous drilling not well oriented to properly test the Junction Lode.

¹ see ASX announcement 14 May 2024



Junction Lode Discovery Opportunity



Recent aircore drilling has solved the structural controls on high-grade copper mineralisation at the Junction prospect.

- 21 aircore drill holes successfully completed
- Structural controls resolved



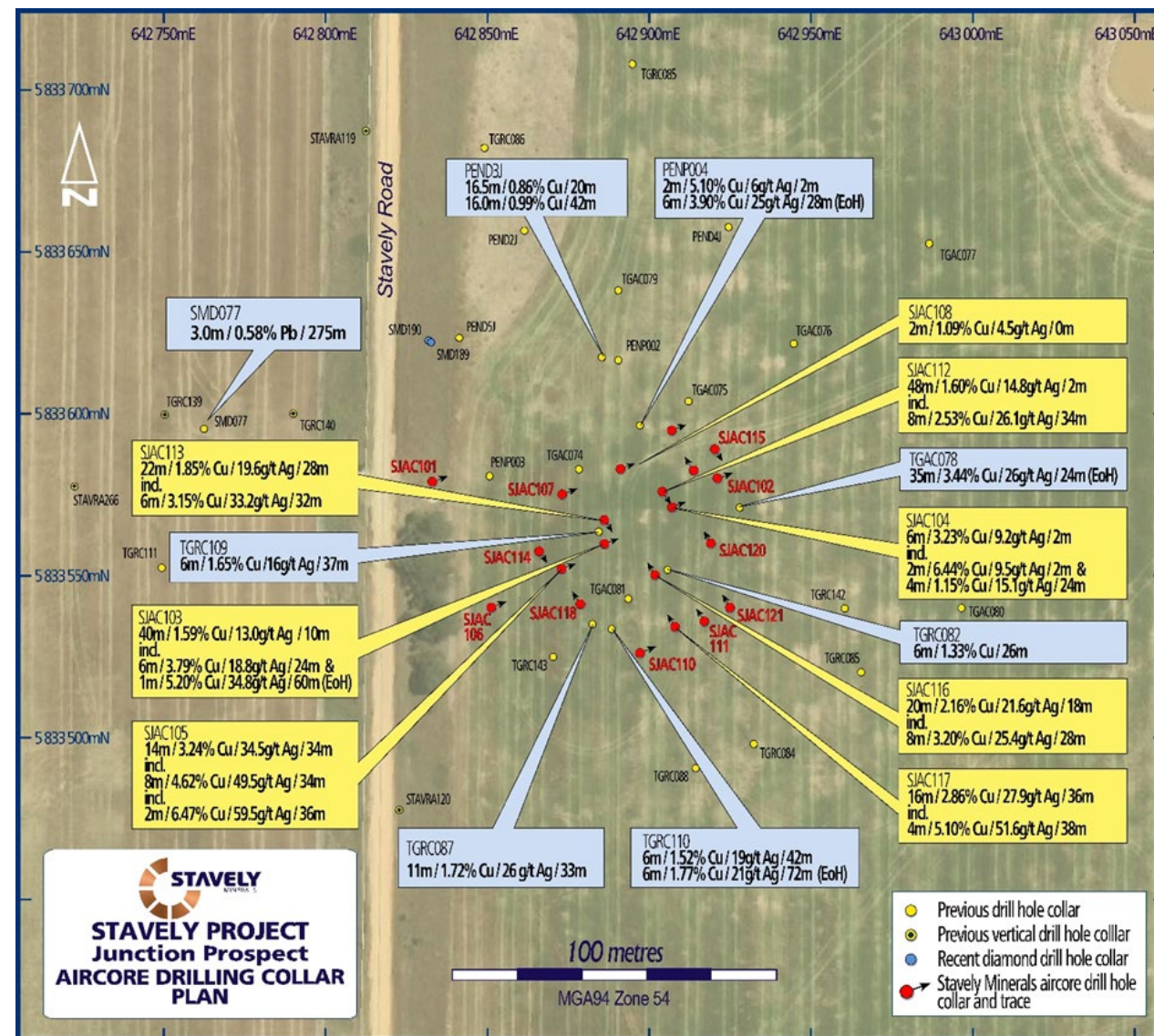
¹ see ASX announcement 10 September 2024

Junction Lode Discovery Opportunity



Significant assay results received from recent aircore drilling:

- 14m @ 3.24% Cu, 34.5g/t Ag from 34m drill depth in SJAC105, including:
 - 8m at 4.62% Cu and 49.5g/t Ag from 34m, including:
 - 2m at 6.47% Cu and 59.5g/t Ag from 36m
- 48m at 1.60% Cu and 14.8g/t Ag from 2m drill depth in SJAC112, including:
 - 8m at 2.53% Cu and 26.1g/t Ag from 34m
- 40m at 1.59% Cu, 13.0g/t Ag from 10m drill depth in SJAC103, including:
 - 6m at 3.79% Cu and 18.8g/t Ag from 24m; and
 - 1m at 5.20% Cu and 34.2g/t Ag from 60m to EoH
- 20m at 2.16% Cu and 21.6g/t Ag from 18m in SJAC116, including:
 - 4m at 3.83% Cu and 21.7g/t Ag from 32m
- 20m at 2.48% Cu and 24.4g/t Ag from 32m in SJAC117, including:
 - 4m at 5.10% Cu and 51.6g/t Ag from 38m
- 22m at 1.85% Cu and 19.6g/t Ag from 28m in SJAC113, including:
 - 6m at 3.15% Cu and 33.2g/t Ag from 32m
- 6m at 3.23% Cu and 9.2g/t Ag from 2m in SJAC104, including:
 - 2m at 6.44% Cu and 9.5g/t Ag from 2m, and
 - 4m at 1.15% Cu and 15.1g/t Ag from 24m



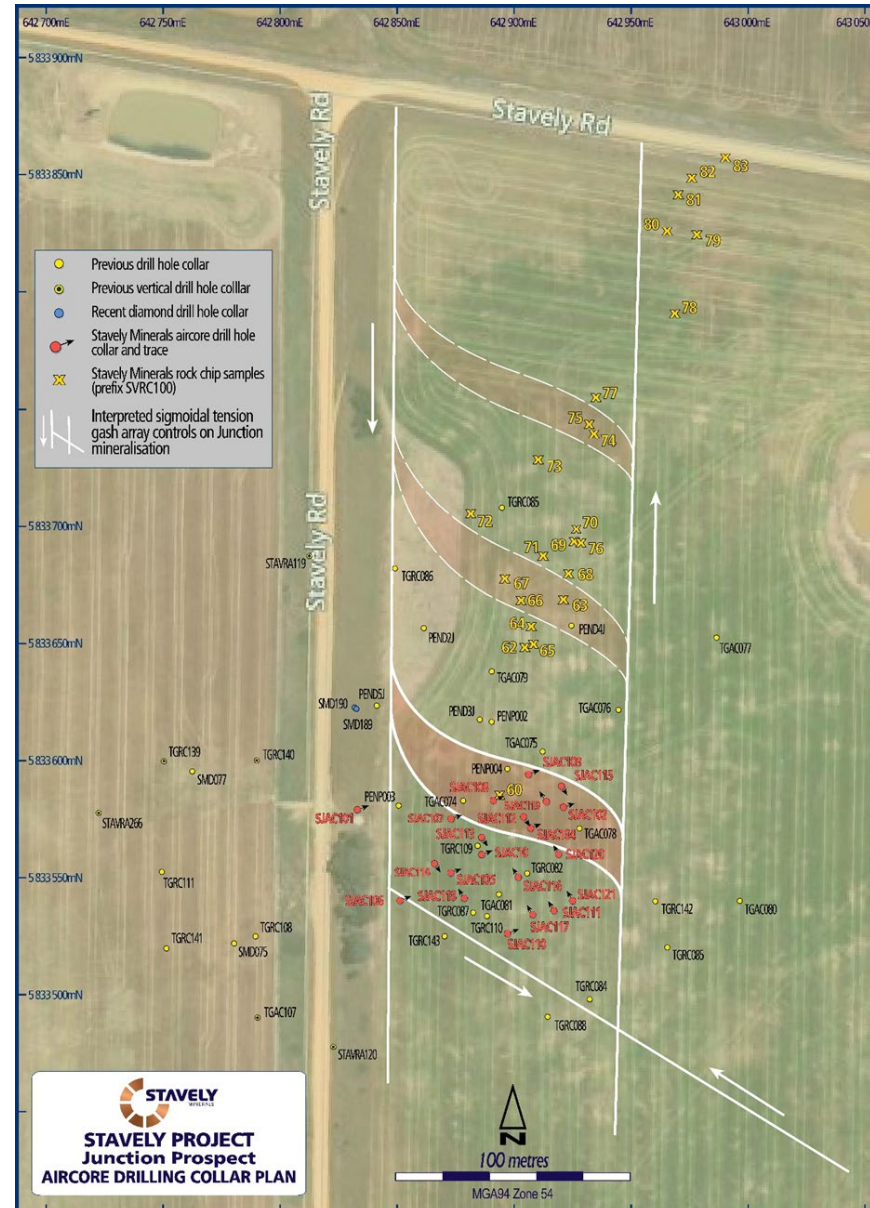
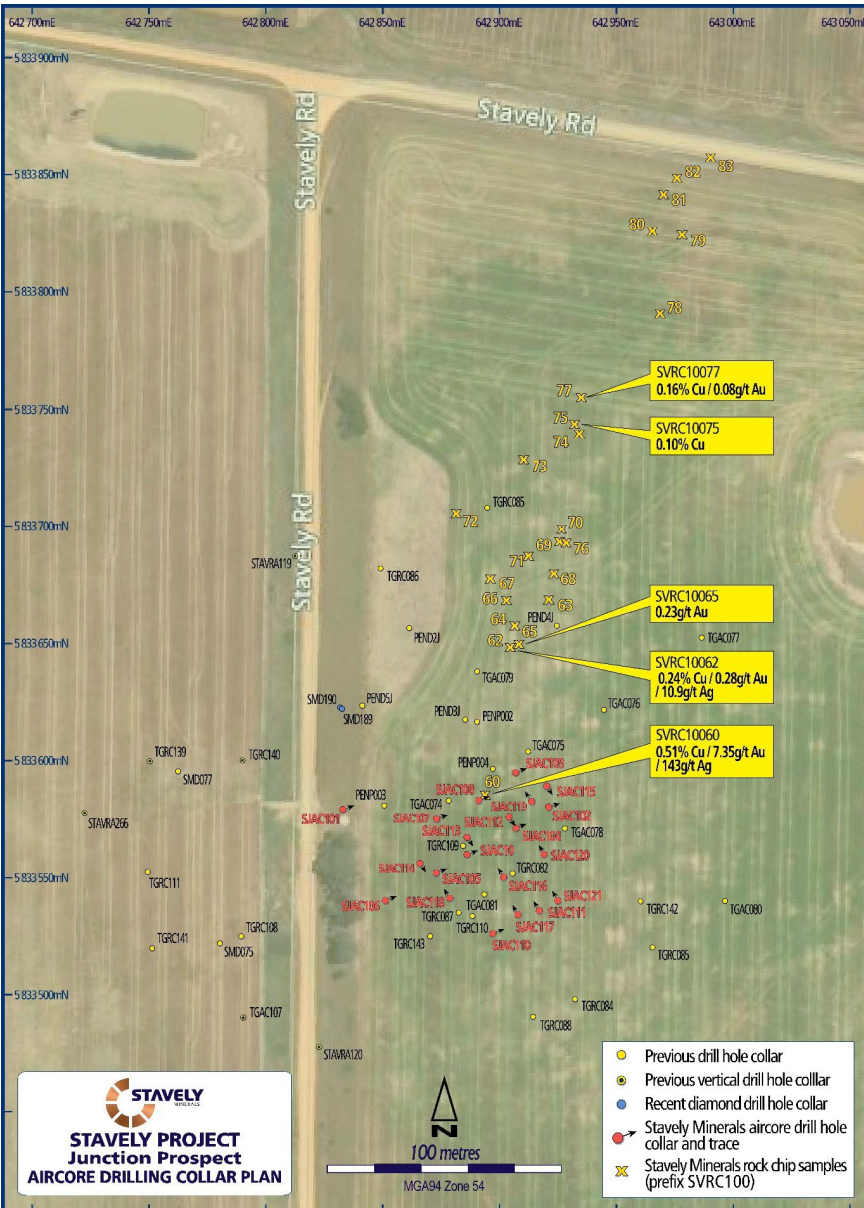
¹ see ASX announcement 1 October 2024

Junction Lode Discovery Opportunity



Strong indications for repeat structures in mineralised gossan float located up-hill from the drill grid:

- 0.51% copper, 7.35g/t gold and 143g/t silver; on the drill grid, and
- 0.24% copper, 0.28g/t gold and 10.9g/t silver
- 0.16% Cu, 0.08g/t Au
- 0.10%Cu



see ASX announcement 1 October 2024

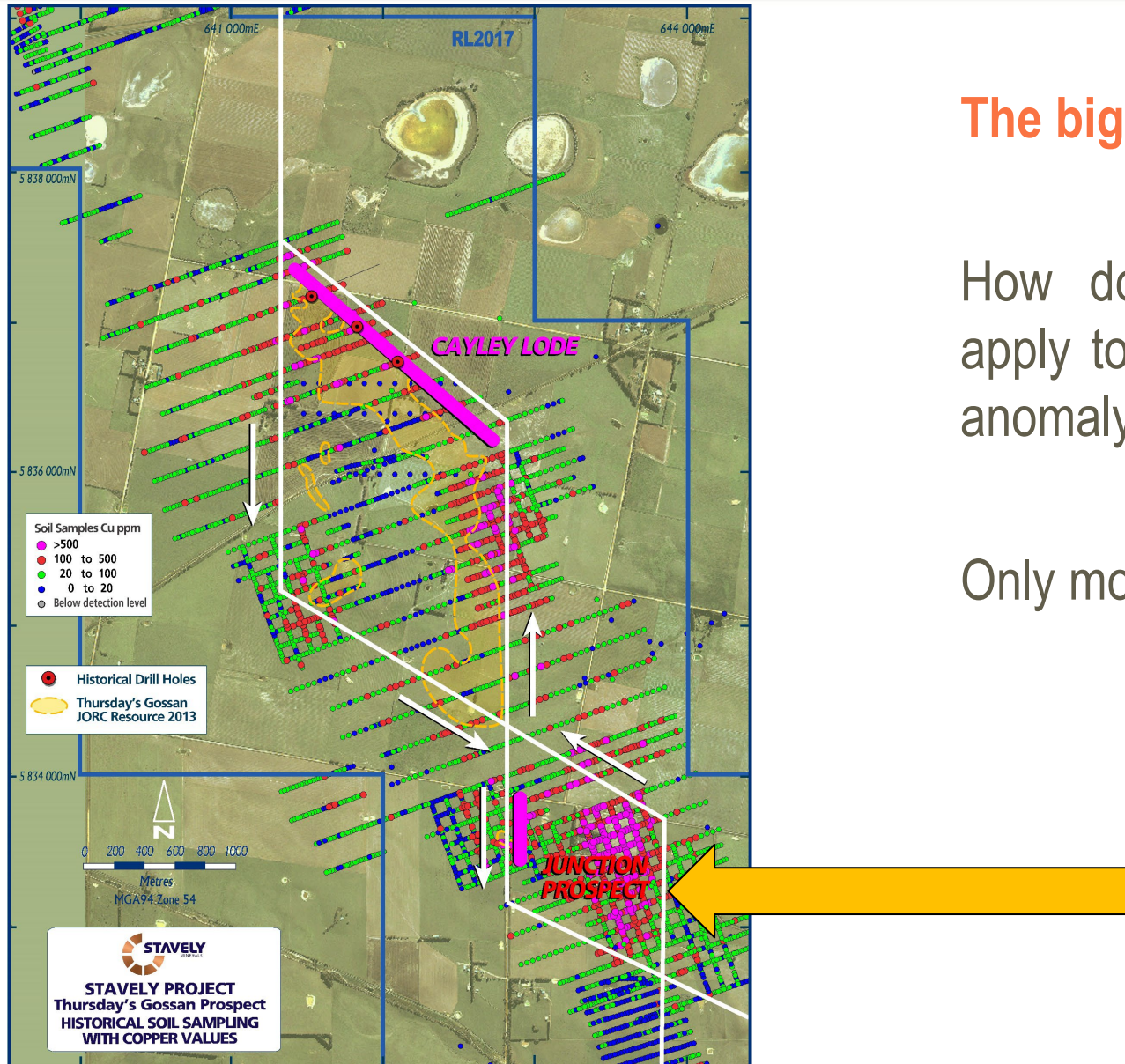
Junction Lode Discovery Opportunity



The bigger question is:

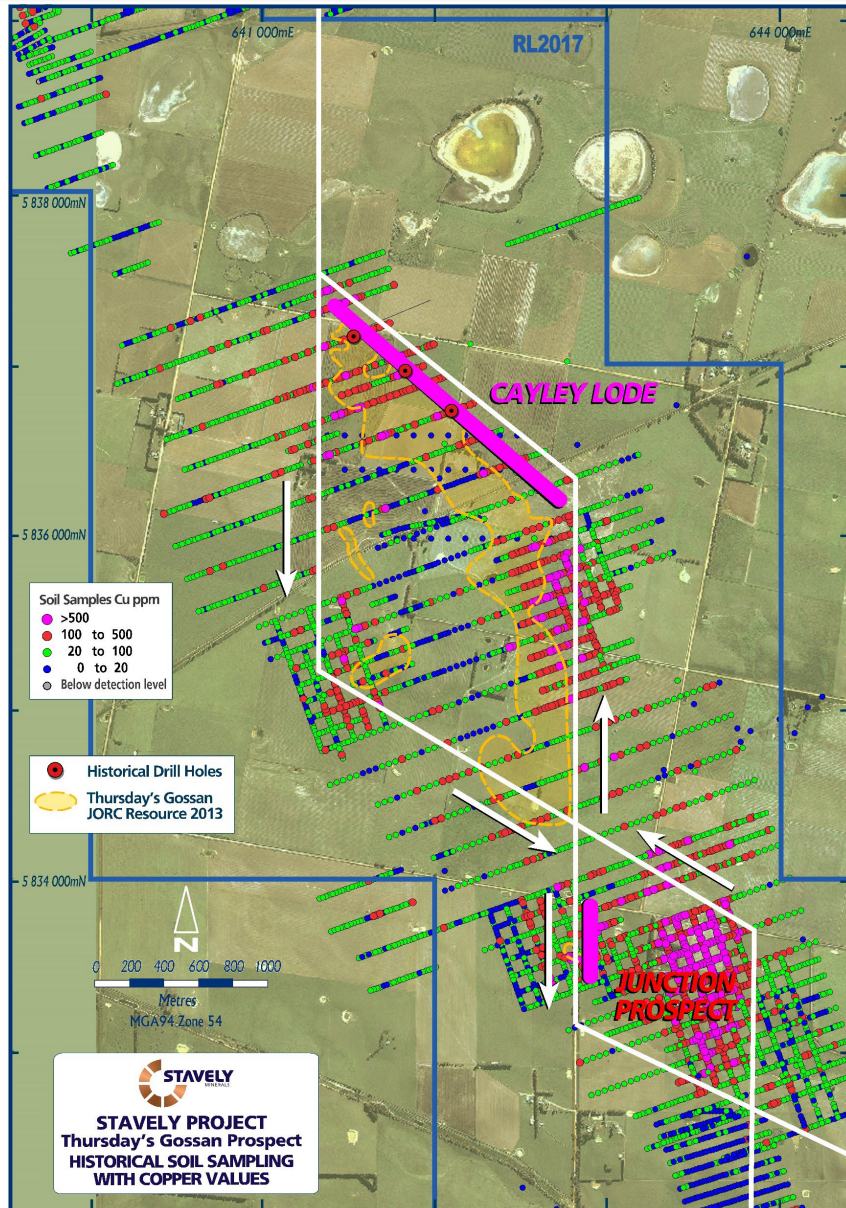
How does the new structural understanding apply to the biggest copper in soil geochemical anomaly in the whole project?

Only more drilling will answer this question!



¹ see ASX announcement 1 October 2024

Junction Lode Discovery Opportunity – Next Steps



Next Steps:

- Diamond drill under the recent aircore intercepts – this can be done from the road verge
- With landowner consent required, additional aircore drilling on additional zones north of recent aircore drilling
- With landowner consent required, aircore drilling of the large copper in soil anomaly – some of this can be done in the road verge without consent
 - *Access offer on the table*
- Planned diamond drilling if positive aircore results warrant follow-up - some of this can be done in the road verge without consent

¹ see ASX announcement 1 October 2024

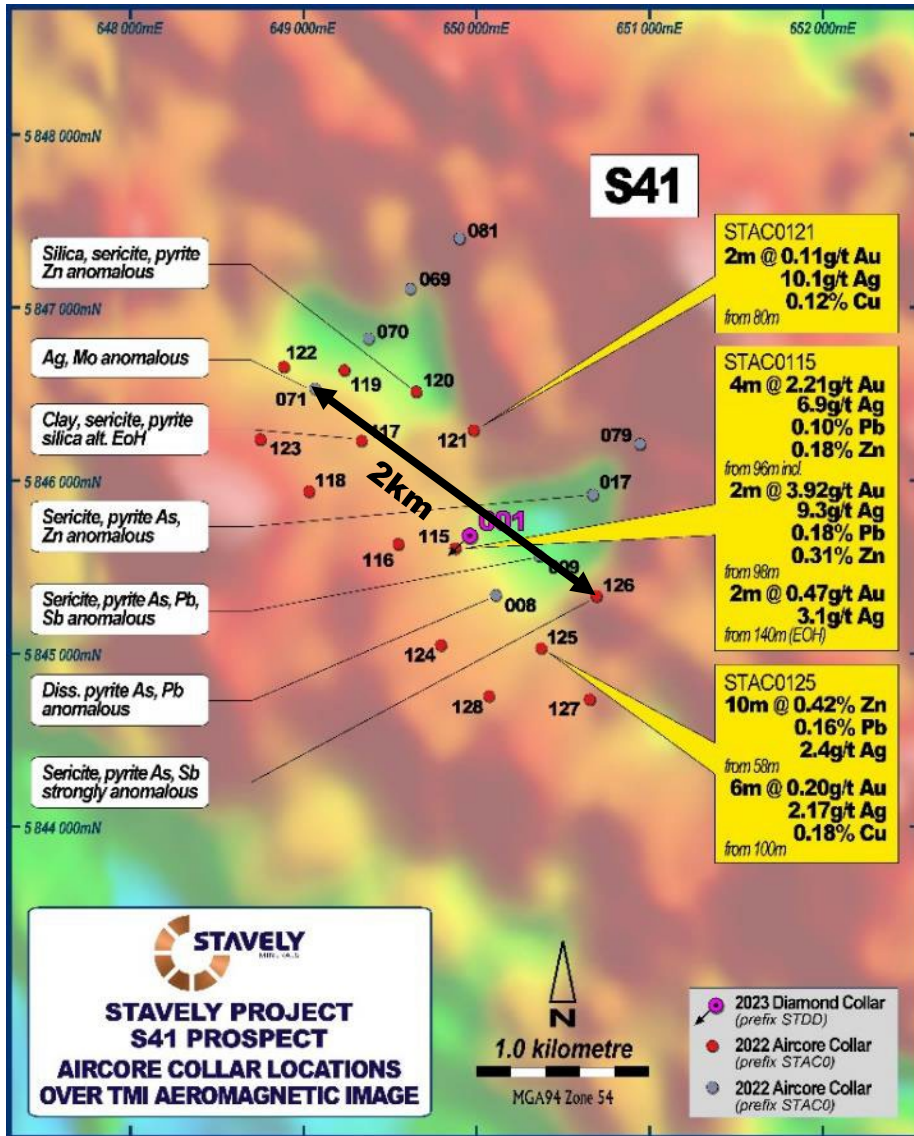


S41 Breccia-Hosted Gold Target

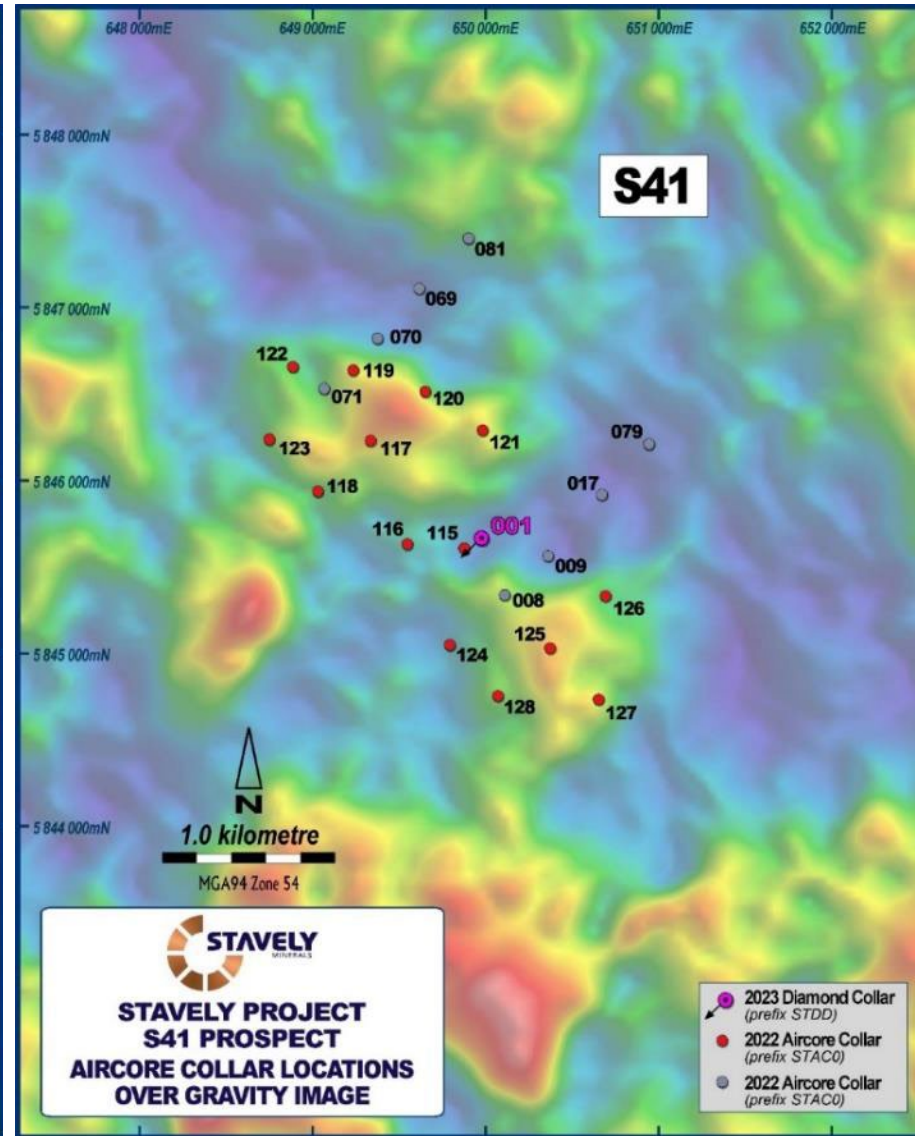
Emerging Discovery? – The S41 Breccia Prospect



Magnetics



Gravity

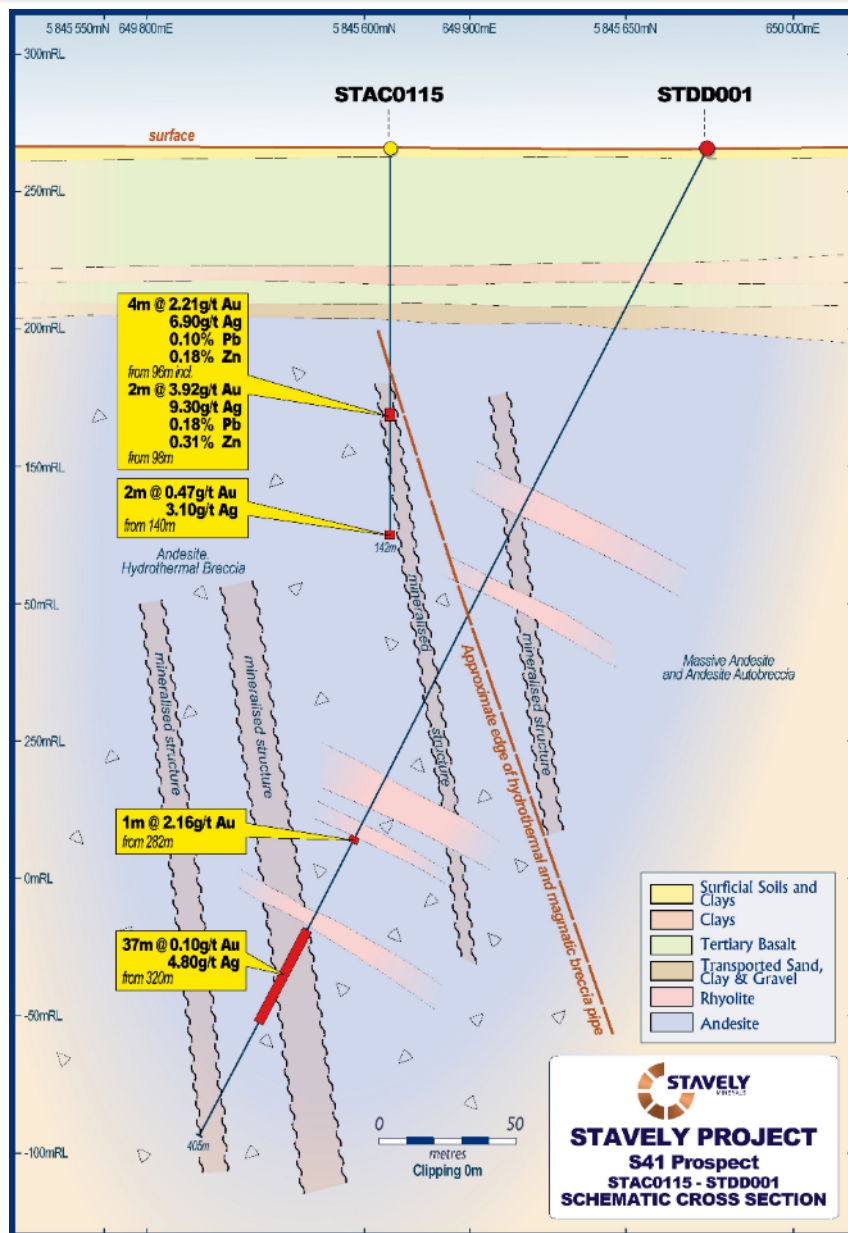


S41 Prospect Aircore

- 4m at 2.21g/t Au from 96m drill depth, including:
- 2m at 3.92g/t Au from 98m in aircore drilling
- Large 2km alteration zone
- Strongly anomalous base metals and pathfinder geochemistry

See ASX announcement 19/04/2023 and available from www.stavely.com.au

Emerging Discovery? – The S41 Breccia Prospect

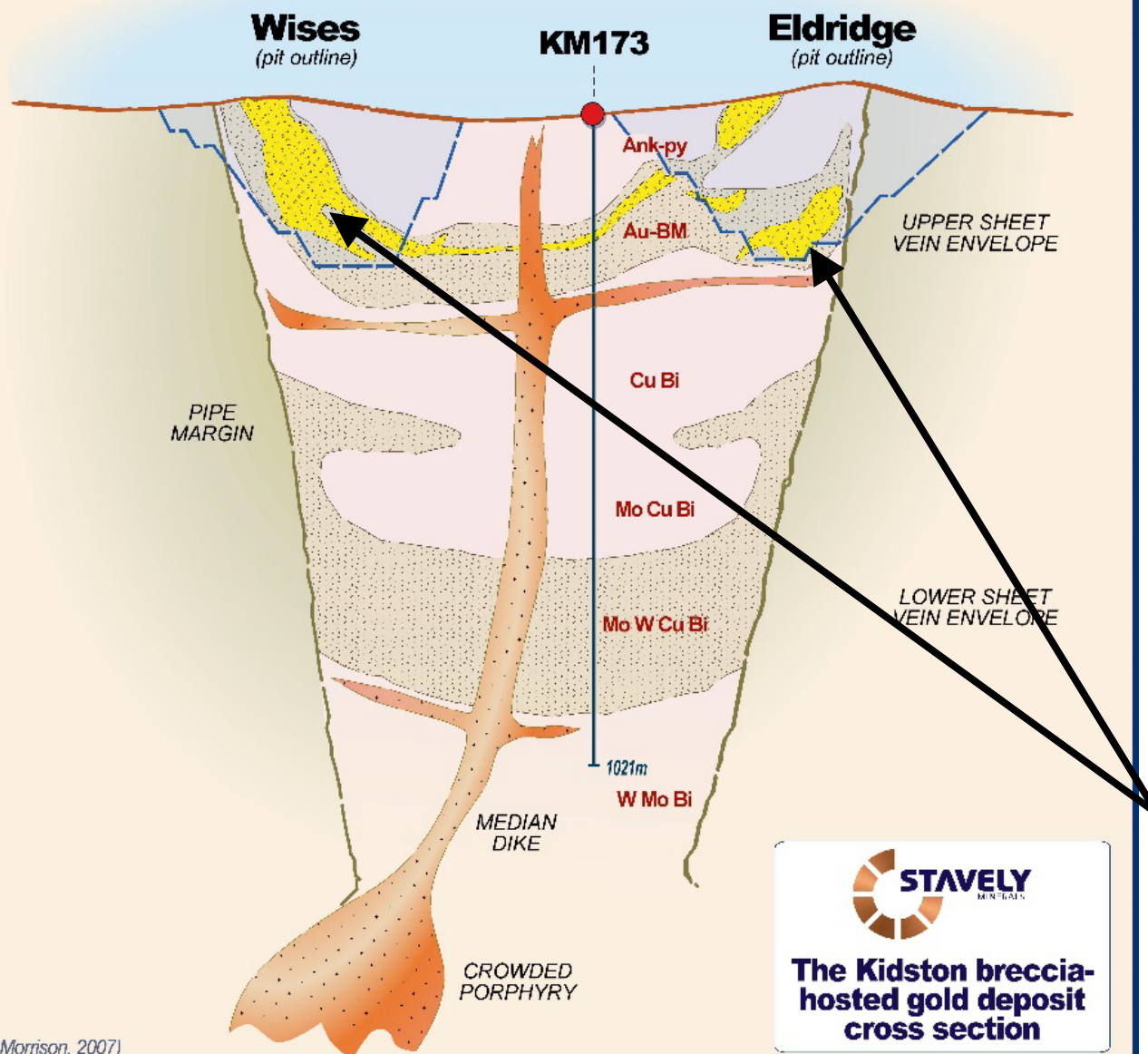


S41 Diamond Drill Hole

- Only one diamond drill hole in the 2,000m x 750m interpreted breccia system
- **1m at 2.16g/t Au** from 282m drill depth
- **37m at 0.10g/t Au**, including:
 - **2m at 0.56g/t Au** from 320m, and
 - **5m at 24.3g/t Ag** from 353m
- Importantly demonstrated that there is gold and silver in the system associated with Mn-carbonate and Zn & Pb base metals
- Breccia-hosted systems host notoriously inconsistent gold mineralization eg. Kidston
- Potential for scale

See ASX announcement 26/04/2023 and available from www.stavely.com.au

Emerging Discovery? – The S41 Breccia Prospect



(after G. Morrison, 2007)

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See ASX announcement 26/04/2023 and available from www.stavelly.com.au



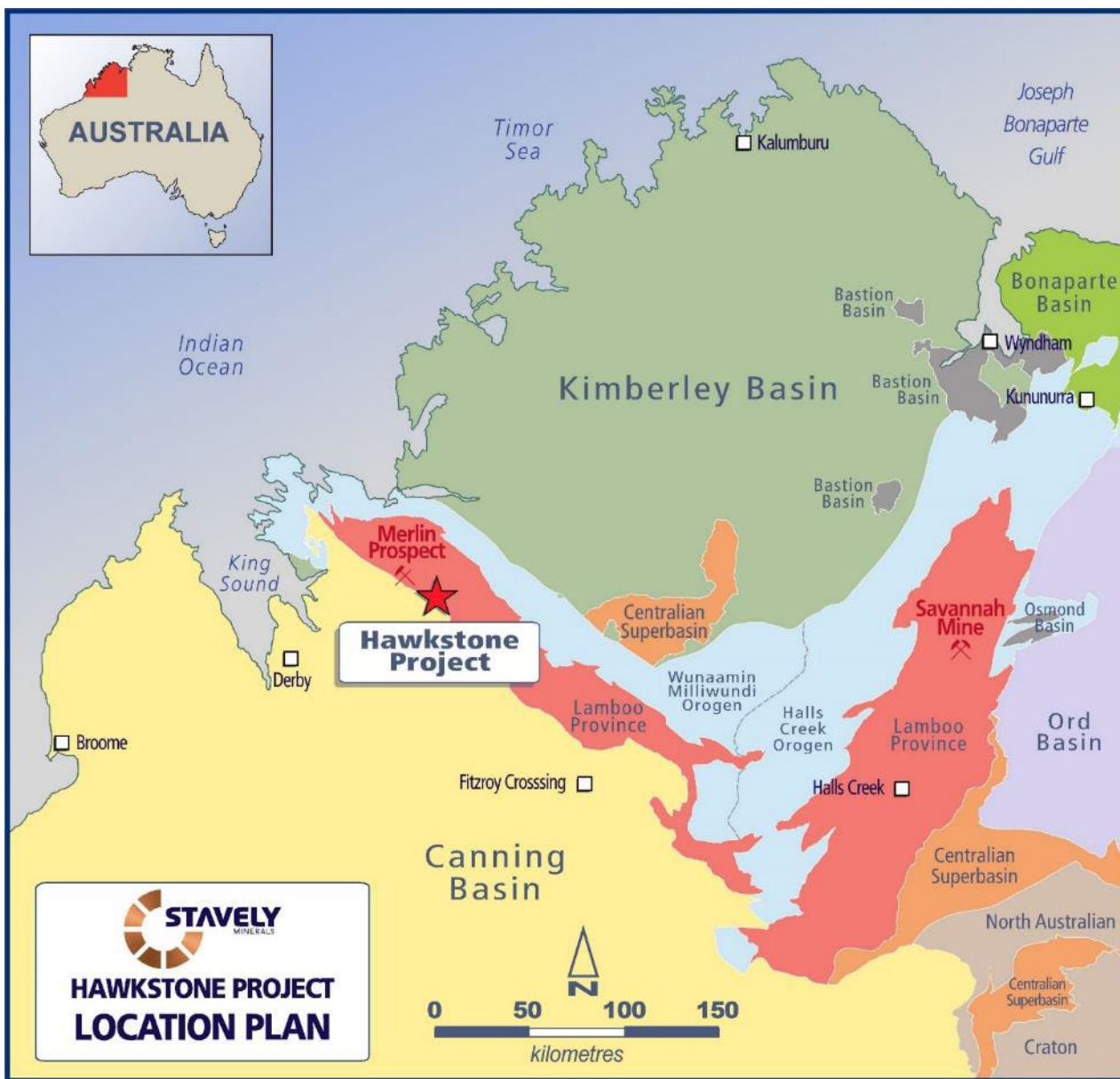
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The Hawkstone Magmatic Nickel-Copper Project

Hawkstone Ni-Cu-Co Project



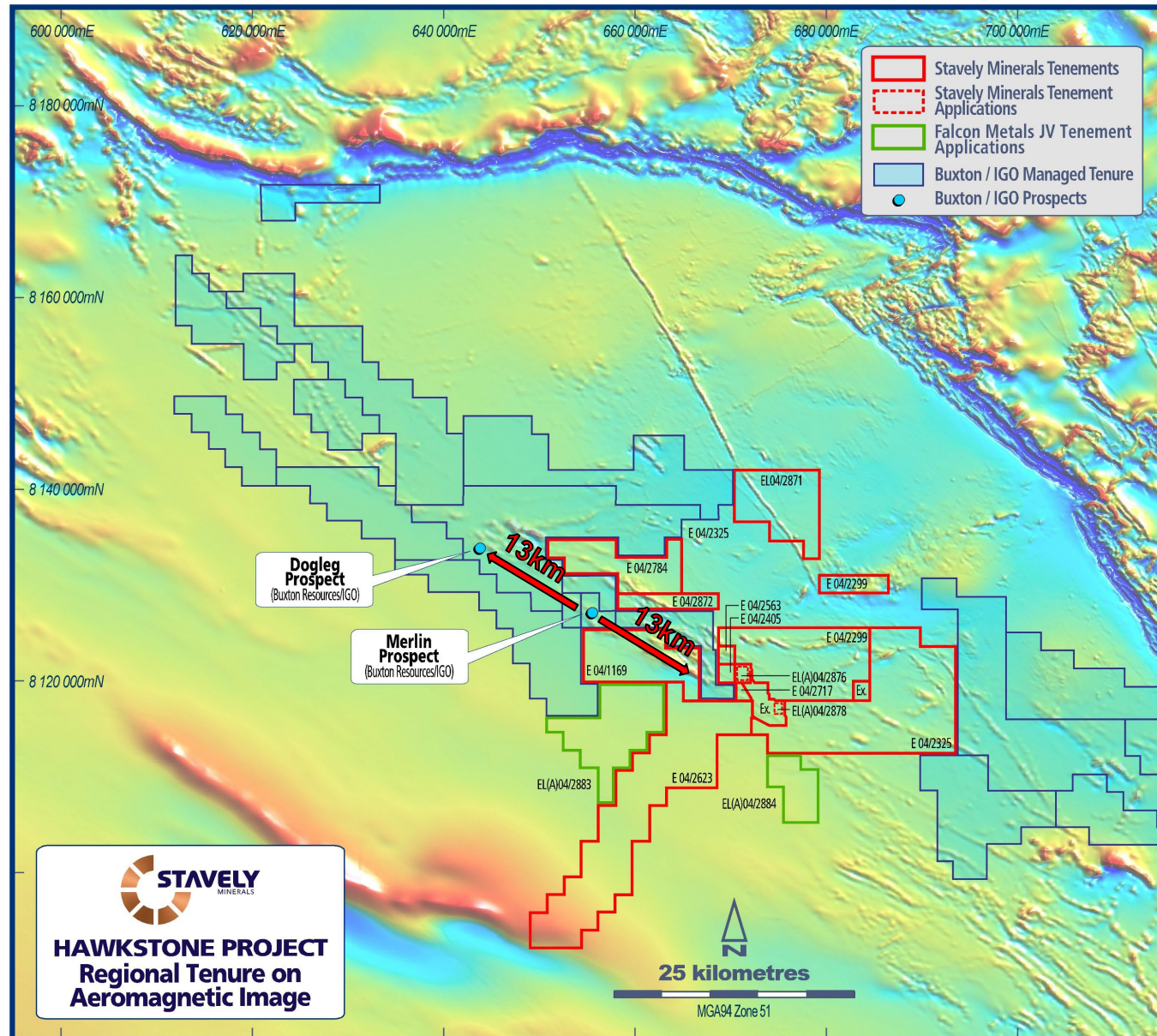
Hawkstone Ni-Cu-Co Project

- ~870km² 100% tenure
- ~30km of the prospective Ruins Dolerite
- Buxton / IGO JV Merlin discovery 1km from tenement boundary
- Complementary field season (winter) to the Stavelly Project (summer)
- Potential for Li pegmatites as there are historic Sn-W-Ta mines in Stavelly Minerals' tenure

¹ Buxton Resources website

² $AuEq = \text{nickel grade (\%)} \times ((\text{AUD nickel price} / 0.000453592) / 100) / (\text{AUD gold price} / 31.10347)$

See ASX announcement 23/05/2023 and available from www.stavelly.com.au



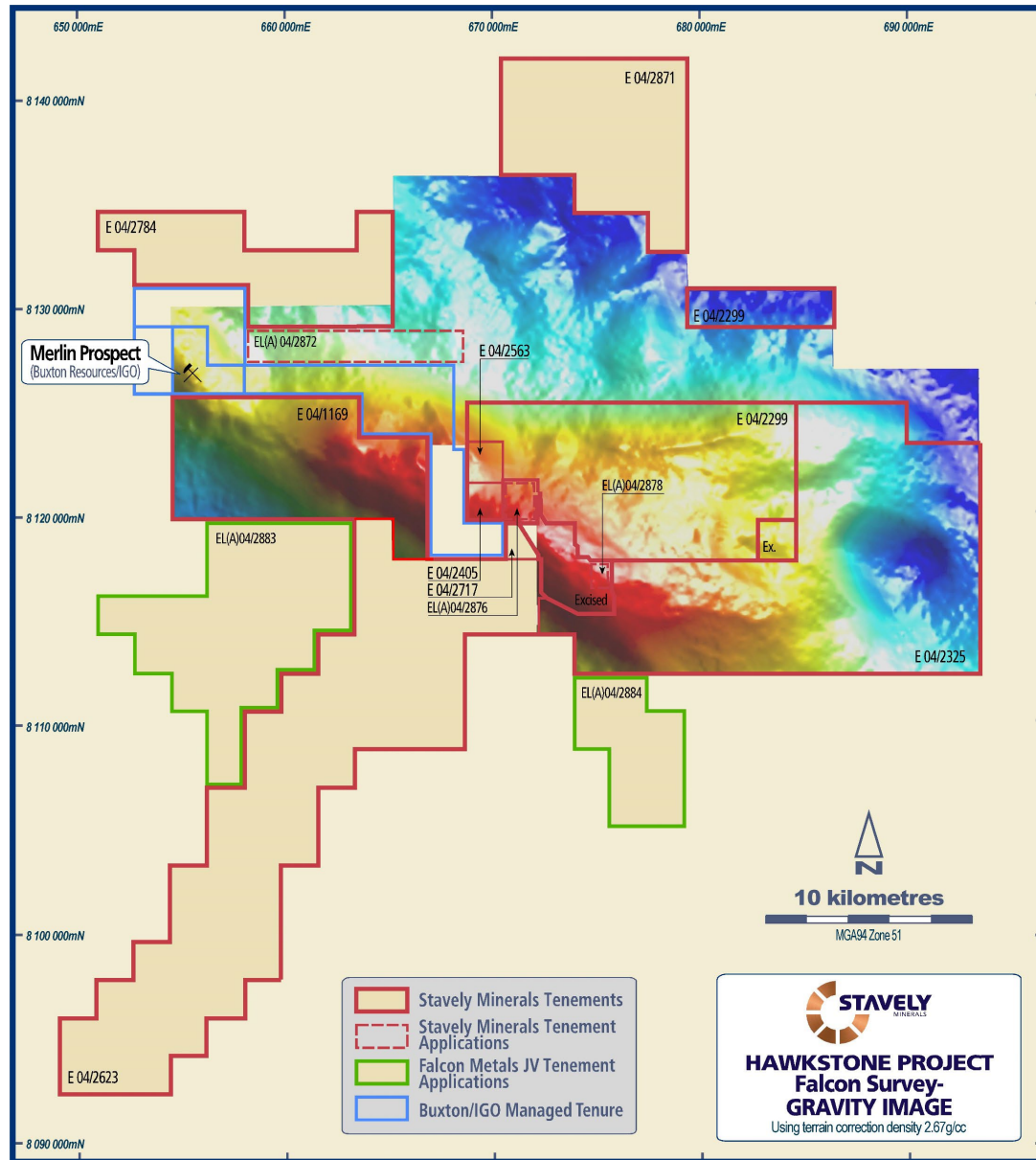
Hawkstone Ni-Cu-Co Project

IGO / BUX Dogleg nickel discovery (Quick Shears) 13km NW of Merlin / Double Magic¹:

- 23WKDD003 – 13.85m @ 4.35% Ni, 0.34% Cu and 0.15% Co from 177.34m, incl.
 - 5.86m @ 7.47% Ni, 0.31% Cu and 0.25% Co
- 23WKDD004 – 2.89m at 4.17% Ni, 0.83% Cu and 0.14% Co from 233.63m

“The Dogleg Prospect recently discovered by IGO/BUX JV is considered...to be the most significant greenfields Ni discovery in Australia this decade.”

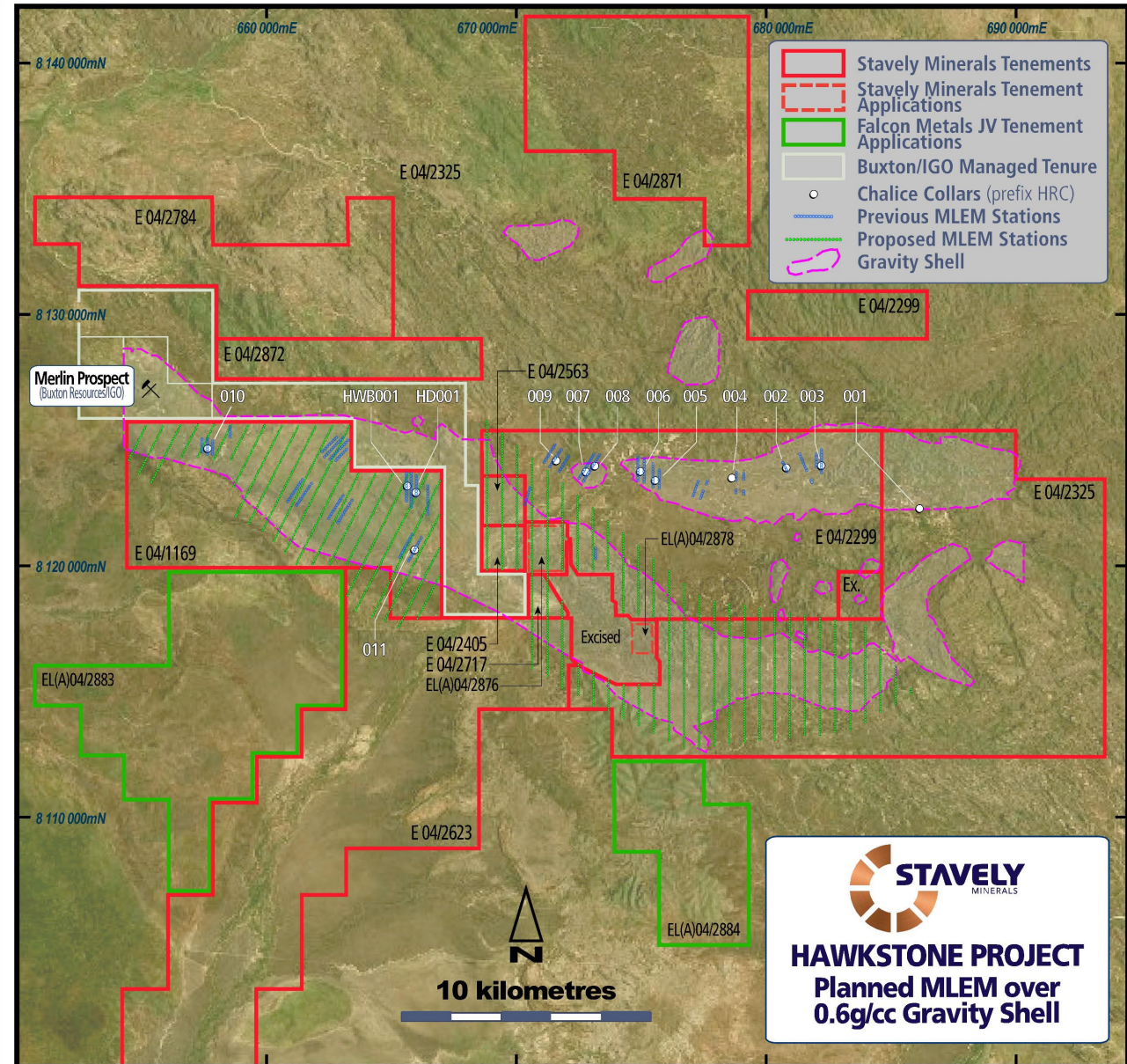
¹See ASX:BUX announcement 03/10/2023, 19/10/2023 and 6/11/2023



Hawkstone Ni-Cu-Co Project

- Stavely Minerals has flown the Falcon Gravity gradiometer and magnetic survey over the Hawkstone Project
- Gravity data shows an interpreted ~20km mafic / ultramafic magma chamber at depth
- Perfect host environment for a magmatic nickel sulphide deposit in a terrain with demonstrated high-tenor magmatic nickel sulphide endowment

¹See ASX:BUX announcement 03/10/2023, 19/10/2023 and 6/11/2023



2024 field season complete (summary announcement pending receipt of final assays):

- large moving-loop EM (MLEM) survey WA EIS co-funding grant of up to **\$230,000**
- RC drilling of shallow conductors to 200m
 - ❖ WA EIS co-funding grant of up to **\$170,000**
- Deeper MLEM conductor to be tested with a deep diamond drill hole to 800m
 - WA EIS co-funding grant of up to **\$220,000**

Hawkstone can be progressed to a decision to drill, and be drill tested with modest well-leveraged expenditure.

¹See ASX:BUX announcement 03/10/2023, 19/10/2023 and 6/11/2023



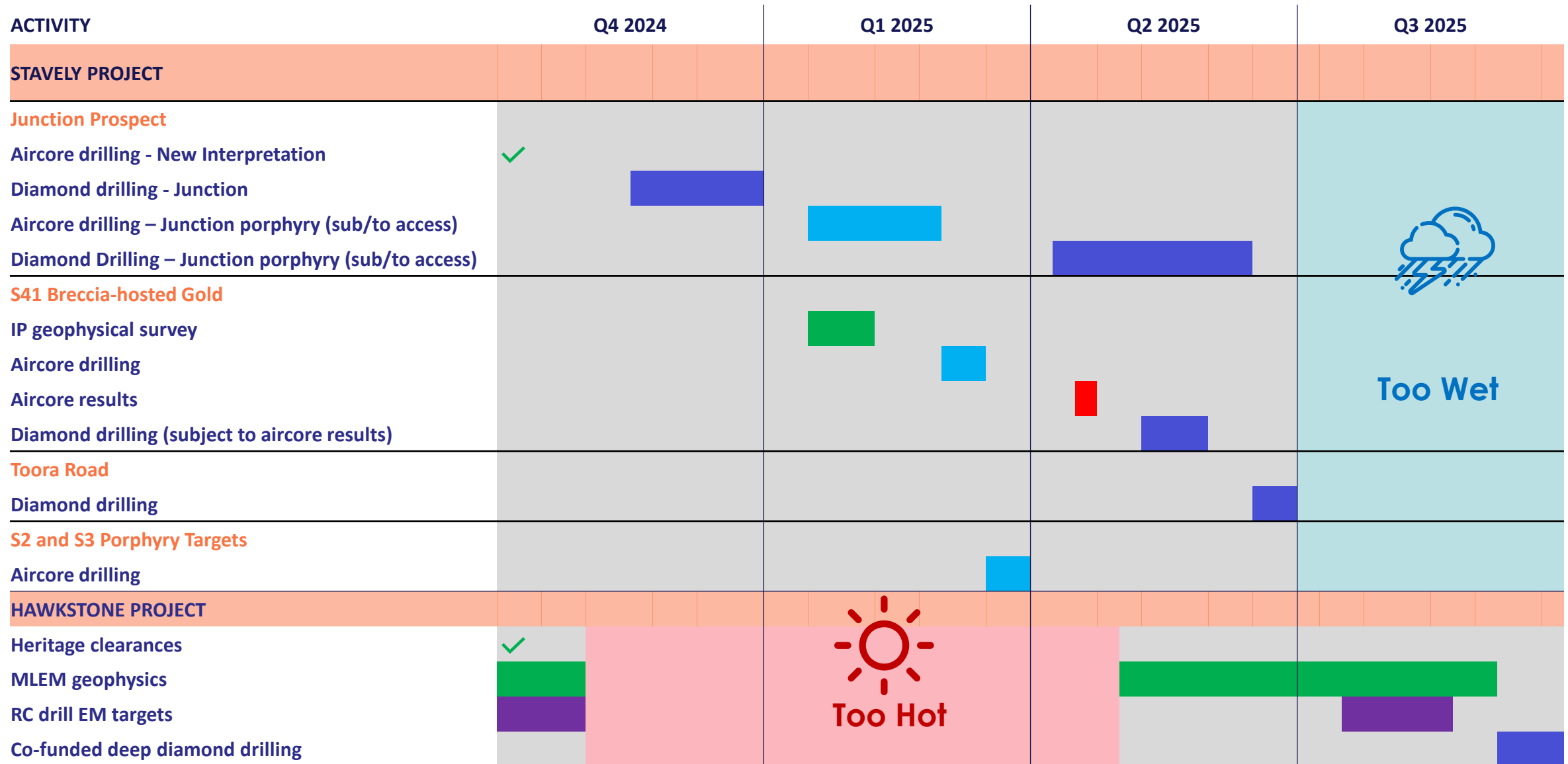
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Work Programme

12-month Work Programme



Too Wet



Too Hot

Corporate Summary



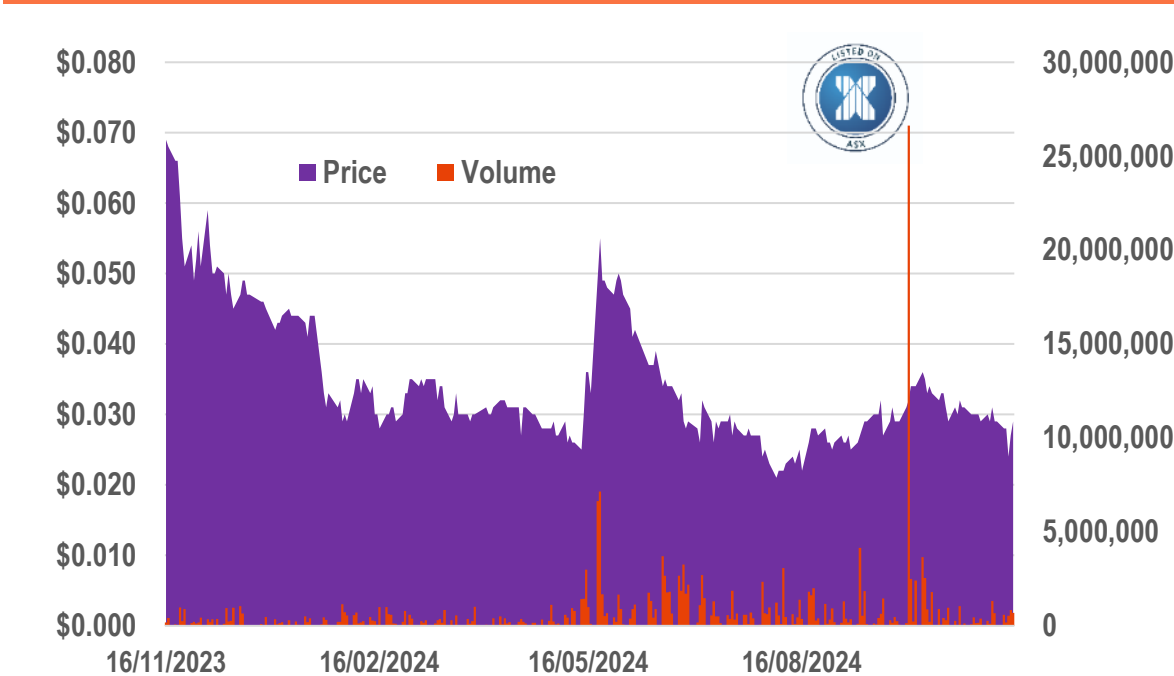
CAPITAL STRUCTURE

ASX Ticker	SVY
Share Price (15/11/24)	\$0.029
Shares on Issue	482M
Cash (30/09/24)	\$2.9M
Market Capitalisation	\$14.0M
Management and Staff	~10% equity

Directors

Chris Cairns	Executive Chair
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 15 November 2024



Summary – Key Investment Takeaways



- ✓ The Cayley Lode is a quality high-grade copper-gold-silver Mineral Resource from surface
- ✓ Junction copper (aircore drilling impressive assays) – **diamond drilling in-progress**
- ✓ Junction porphyry target – only 200m east of Junction high-grade copper-silver
- ✓ S41 breccia-hosted gold opportunity – scale potential with only 1 diamond drill hole to date
- ✓ Markets have got it wrong on magmatic nickel sulphide
- ✓ Hawkstone Ni-Cu-Co Project provides an outstanding opportunity for discovery in an emerging high-tenor magmatic nickel sulphide province with demonstrated fertility
- ✓ BIG targets



Copper and Nickel ...the Ultimate “Future-Facing” Commodities



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.

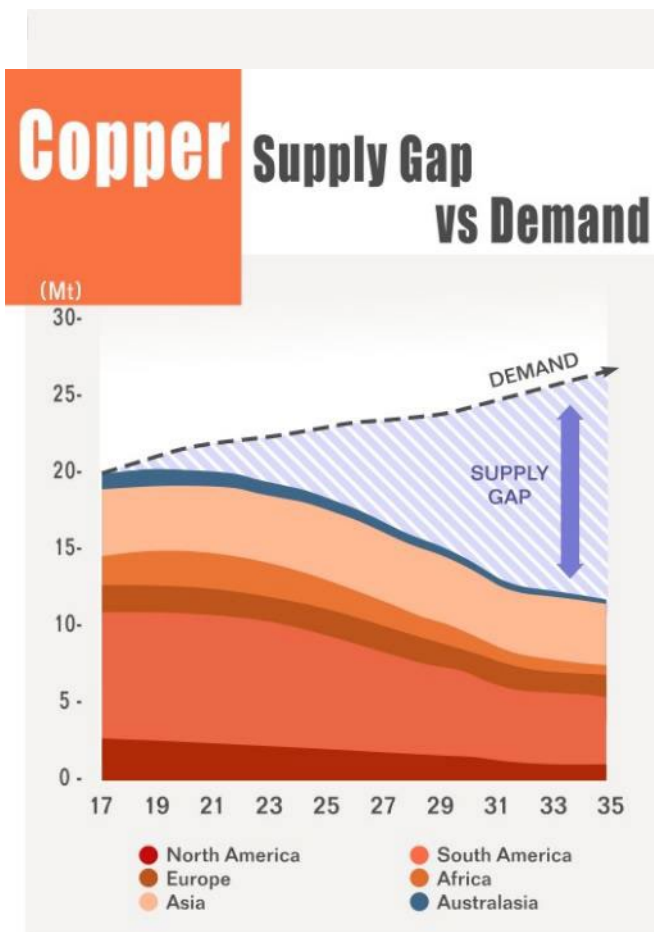
Copper and Nickel are some of the key metals required



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



6 types of bacteria killed by copper surfaces



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

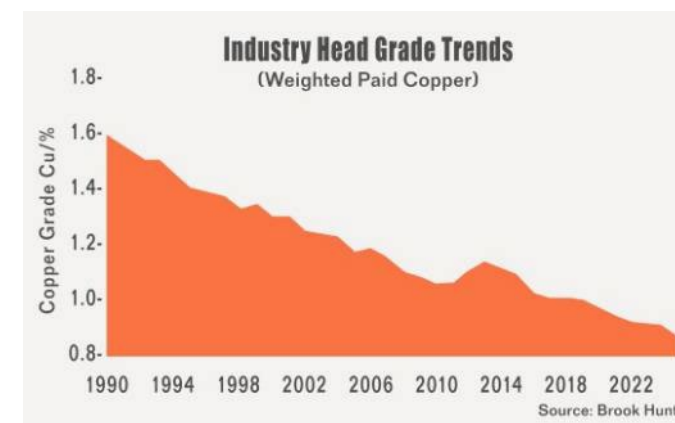
Copper M&A

The Cupboard is Nearly Bare



Escondida, the world's largest copper mine:

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





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ASX Code: SVY

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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Appendix 1: Mineral Resources

Appendix 1: Mineral Resources Classifications



Table 1. Cayley Lode Initial Mineral Resource estimate

Resource Material	Resource Category	Cut-off	Tonnes (Mt)	Grade	Cont.	Grade	Cont.	Grade	Cont.
		(Cu %)		(Cu %)	Cu (Mlbs)	(Au g/t)	Au (oz)	(Ag g/t)	Ag (oz)
Primary Mineralisation (OP)	Indicated	0.2	5.87	1.04	134.4	0.23	43,407	7	1,321,074
	Inferred	0.2	1.7	1.3	49	0.2	10,931	9	491,907
Sub-Total Primary OP			7.6	1.1	183	0.2	54,338	7.4	1,808,158
Primary Mineralisation (UG)	Indicated	1.0	-	-	-	-	-	-	-
	Inferred	1.0	1.7	1.8	69	0.2	10,931	6	327,938
Sub-Total Primary UG			1.7	1.8	69	0.2	10,931	6	327,938
Total Cayley Lode			9.3	1.23	252	0.23	65,000	7.1	2,100,000



Table 4. Stavely Minerals Total Mineral Resources estimates

Resource Material	Resource Category	Cut-off	Tonnes (Mt)	Grade	Cont.	Grade	Cont.	Grade	Contained Metal	Grade	Cont.
		(Cu %)		(Cu %)	(Mlbs Cu)	(Au g/t)	(oz Au)	(Ag g/t)	(oz Ag)	(Zn %)	(kt Zn)
Total Resources	Indicated	1	21.5	0.61	288	0.1	67,301	3.1	2,153,972	0.3	8
	Inferred	1	6.8	1.2	175	0.1	32,797	4.7	1,043,839	0.2	16
Total Stavely Minerals			28.3	0.75*	463	0.11*	100,000	3.5	3,200,000	0.2	24



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