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STAVELY MINERALS

ASX Code: SVY

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

High-Impact Exploration in Emerging Copper and Nickel Provinces

AGM Presentation 21 November 2024

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A Modern Australian Energy Metals Growth Company

What does Stavely Minerals offer that is different?

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BIG targets

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 Ag***[2]
- 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 Project[1]

- 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*

[1] See ASX announcement 23 May 2023
[2] See ASX announcement 14 June 2022, Appendix 1

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Stavely Project

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Stavely Project

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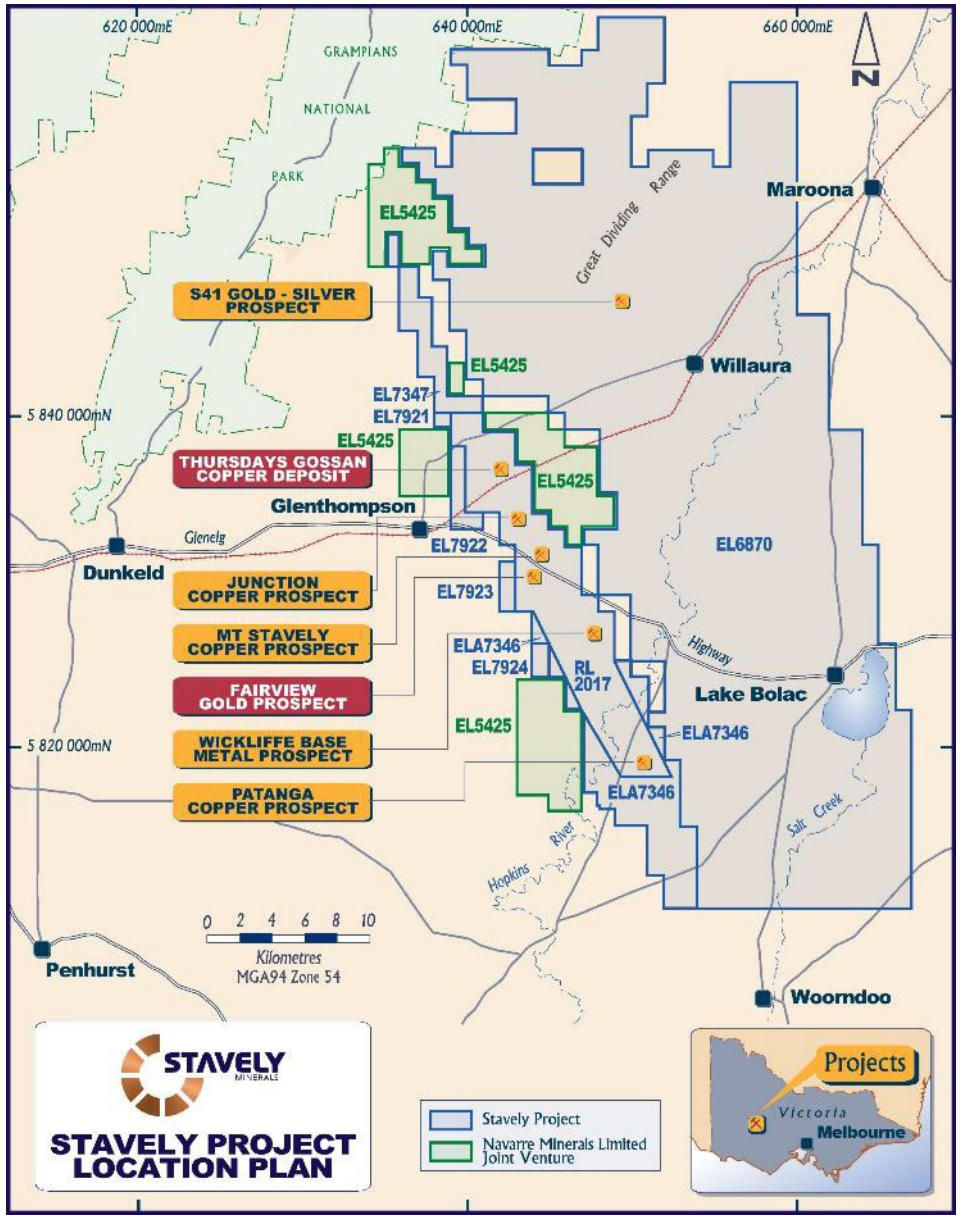
- **Discovery**– outstanding shallow high-grade copper-gold-silver discovery (September 2019), the **Cayley Lode**
- **Multiple regional discovery opportunities:**
  - *Junction Lode – 35m at 3.44% Cu and 26g/t Ag from 24m to end of hole*
    - ***New structural interpretation opens immediate discovery opportunity and recent aircore drilling assays impressive[1]:***
      - ***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[2]***
  - *S41 breccia-hosted gold – 2km x 750m breccia pipe*
    - *Only 1 x diamond drill hole in large system, scale potential*



[1] See ASX announcement 3 October 2023

[2] See ASX announcement 15 November 2023

The Cayley Lode Mineral Resources Estimate

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- **Discovery**– outstanding shallow high-grade copper-gold-silver discovery (September 2019), the Cayley Lode
- **Cayley Lode MRE[1] – 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

Cayley Lode bornite mineralisation - photo from ASX announcement 11 September 2019

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

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Junction Lode Discovery Opportunity

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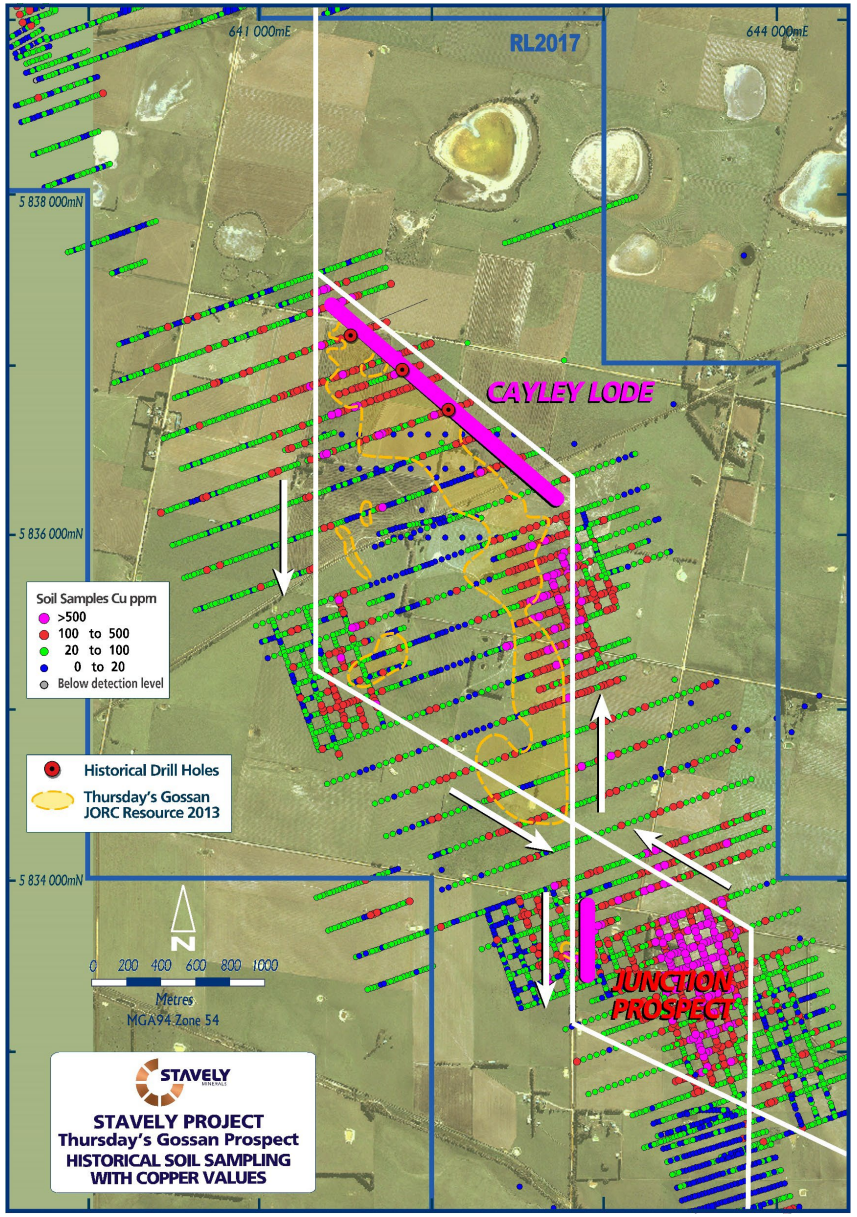
Junction Lode Discovery Opportunity

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 include[1]:

- **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
- **2m at 5.10% Cu and 6g/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



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Junction Lode Discovery Opportunity

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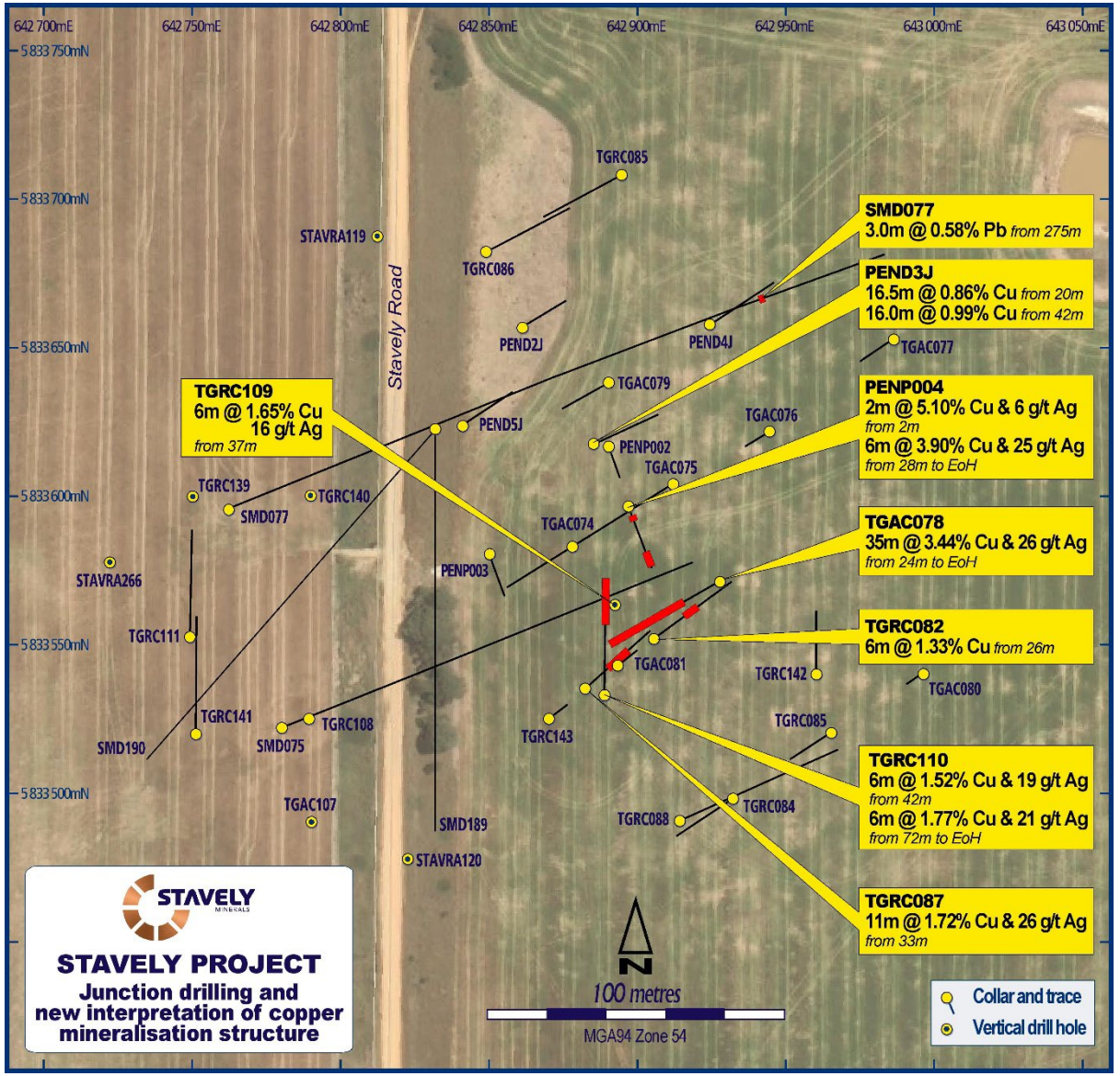
Historic intercepts at the Junction Prospect include[1]:

- **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
- **2m at 5.10% Cu and 6g/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.

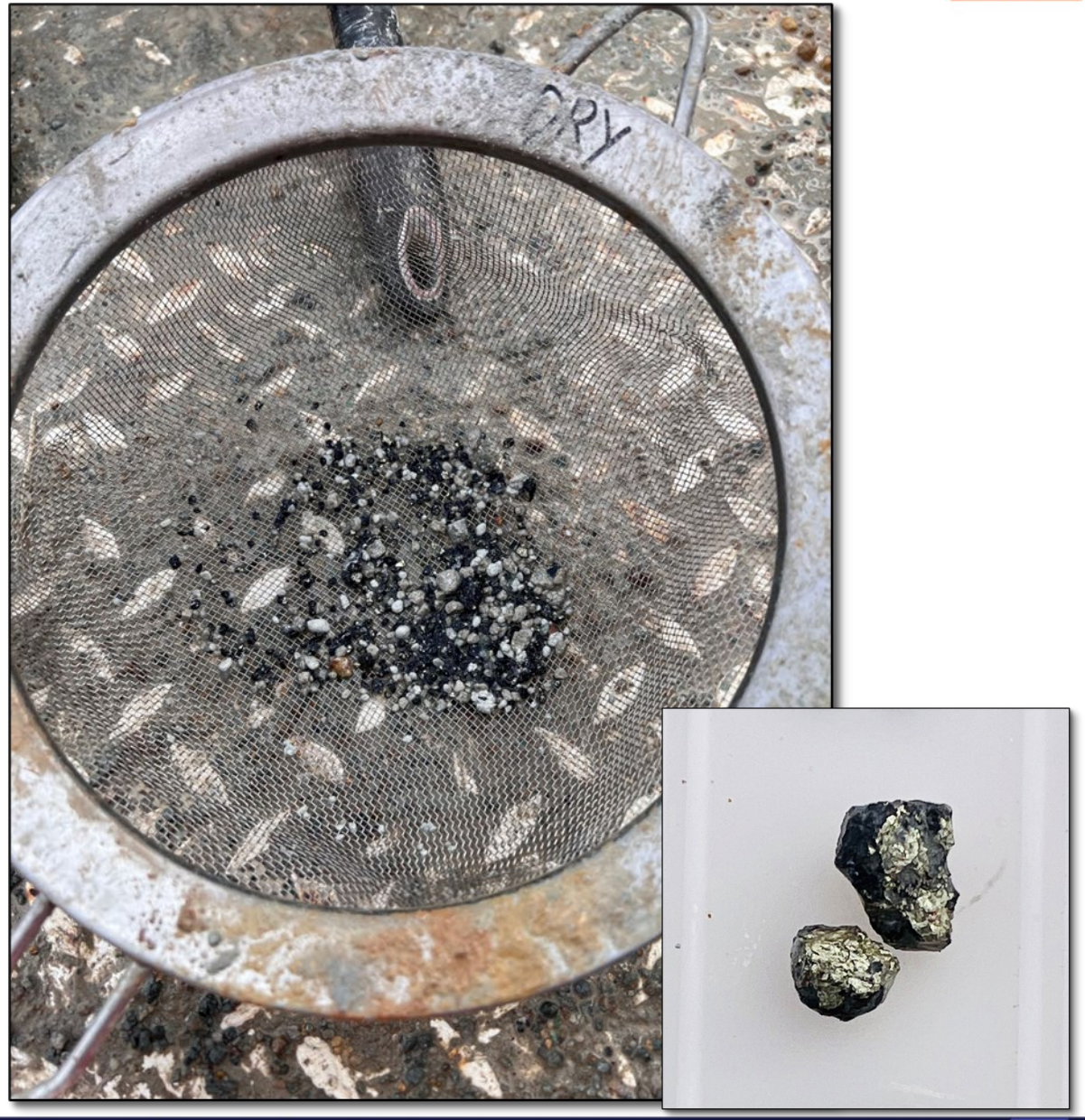


[1] See ASX announcement 14 May 2024

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[1]
- Structural controls resolved



[1] See ASX announcement 11 September 2024

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Junction Lode Discovery Opportunity

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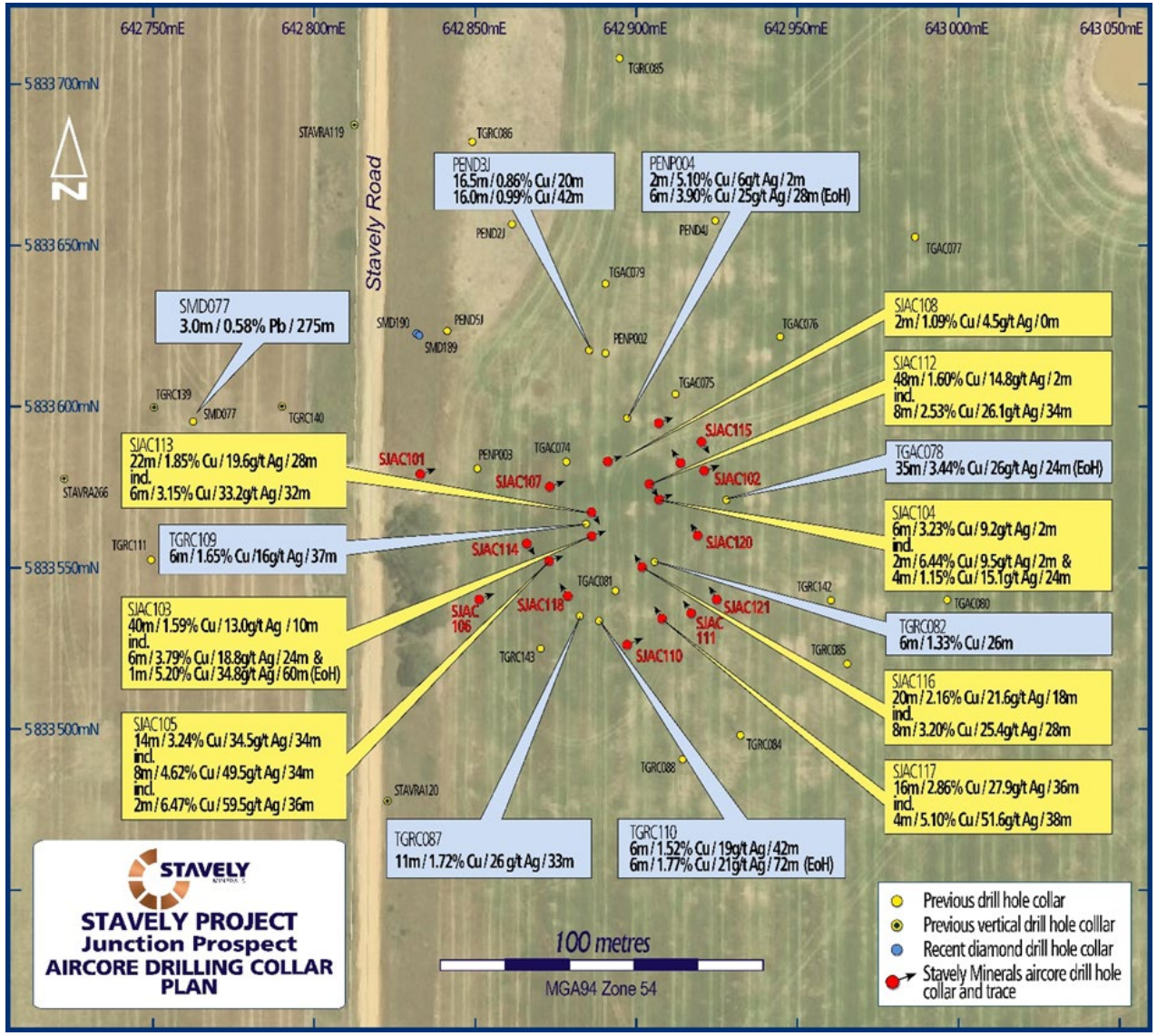
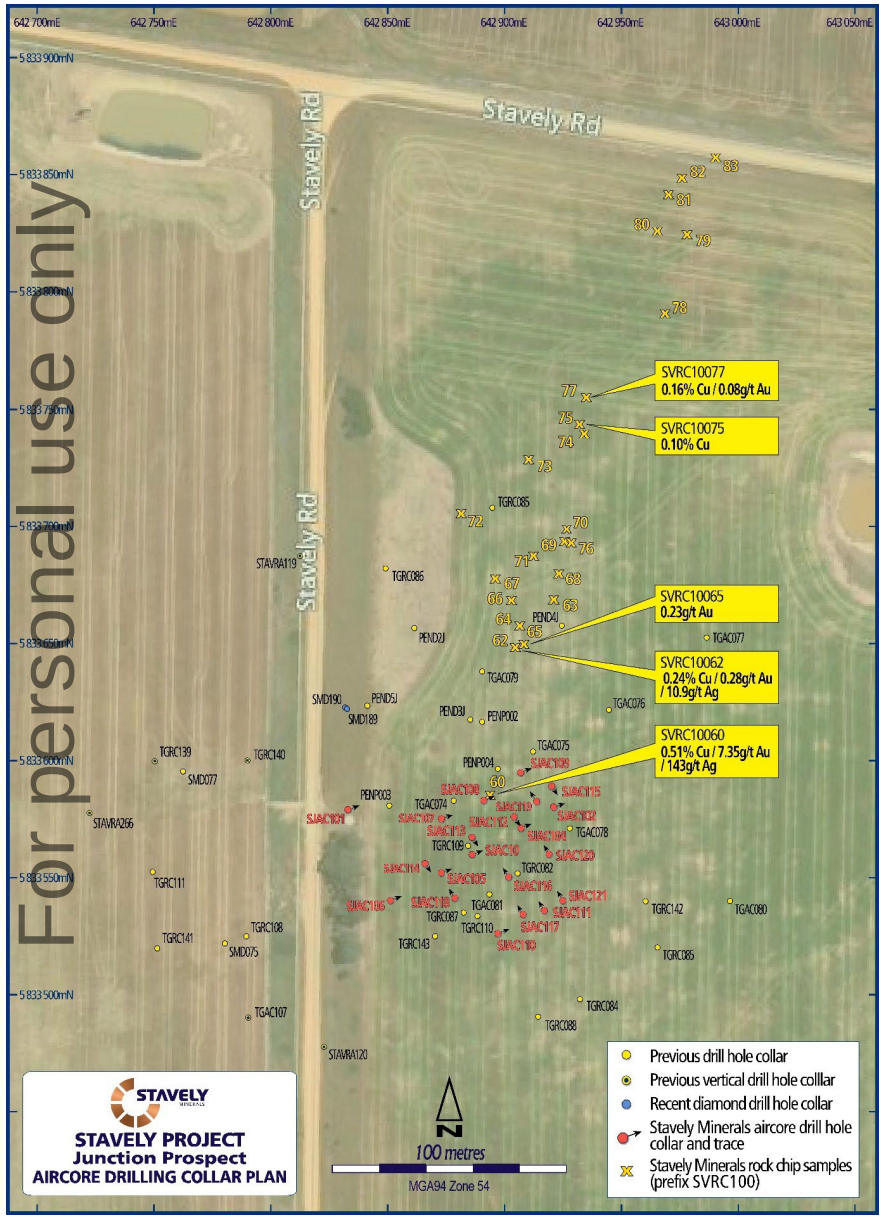
Significant assay results received from recent aircore drilling[1]:

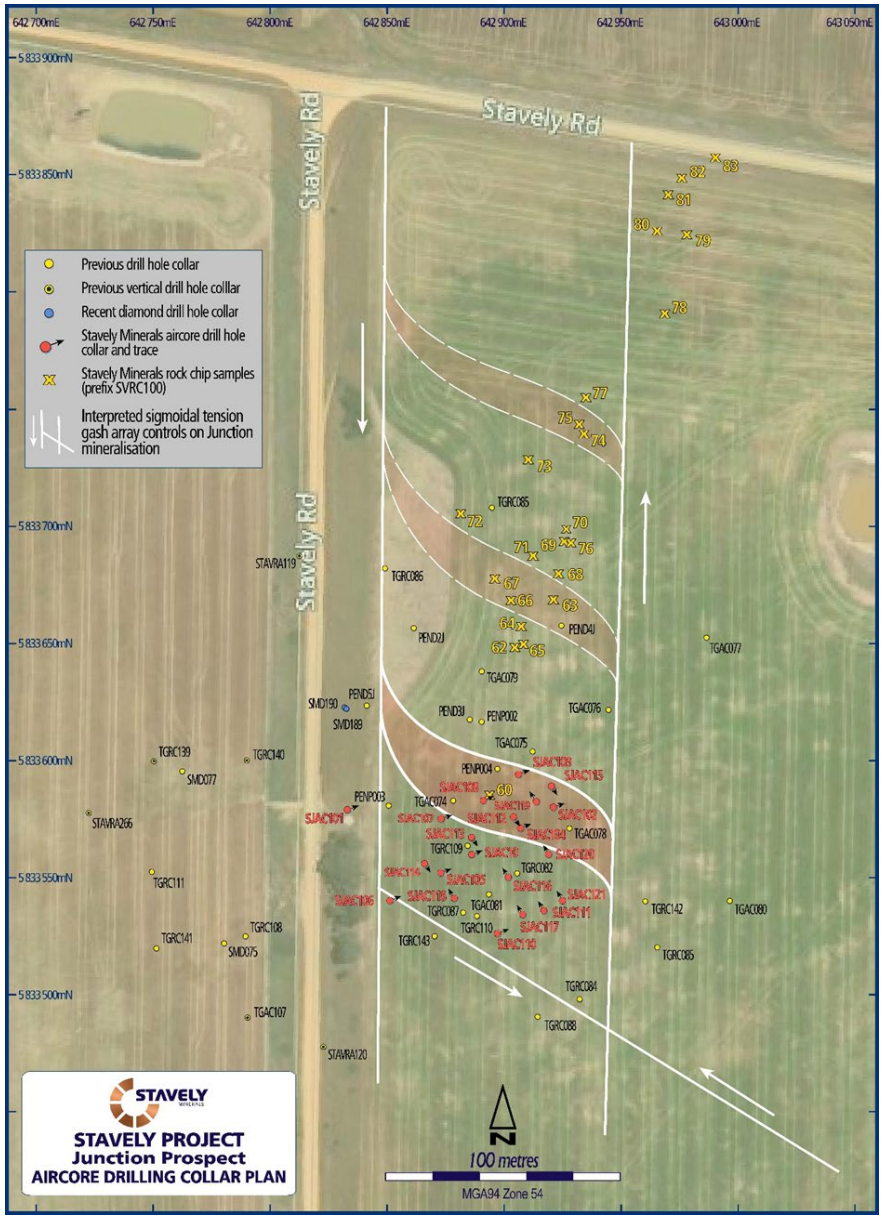
- ***14m @ 3.24% Cu, 34.5g/t Ag*** *from 34m drill depth in SJAC105, including:*
  - ***8m at 4.62% Cu and 49.5g/t Ag*** *from 34m, including:*
  - ***2m at 6.47% Cu and 59.5g/t Ag*** *from 36m*
- ***48m at 1.60% Cu and 14.8g/t Ag*** *from 2m drill depth in SJAC112, including:*
  - ***8m at 2.53% Cu 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[1]:

- 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

[1] See ASX announcement 1 October 2024

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Junction Lode Discovery Opportunity

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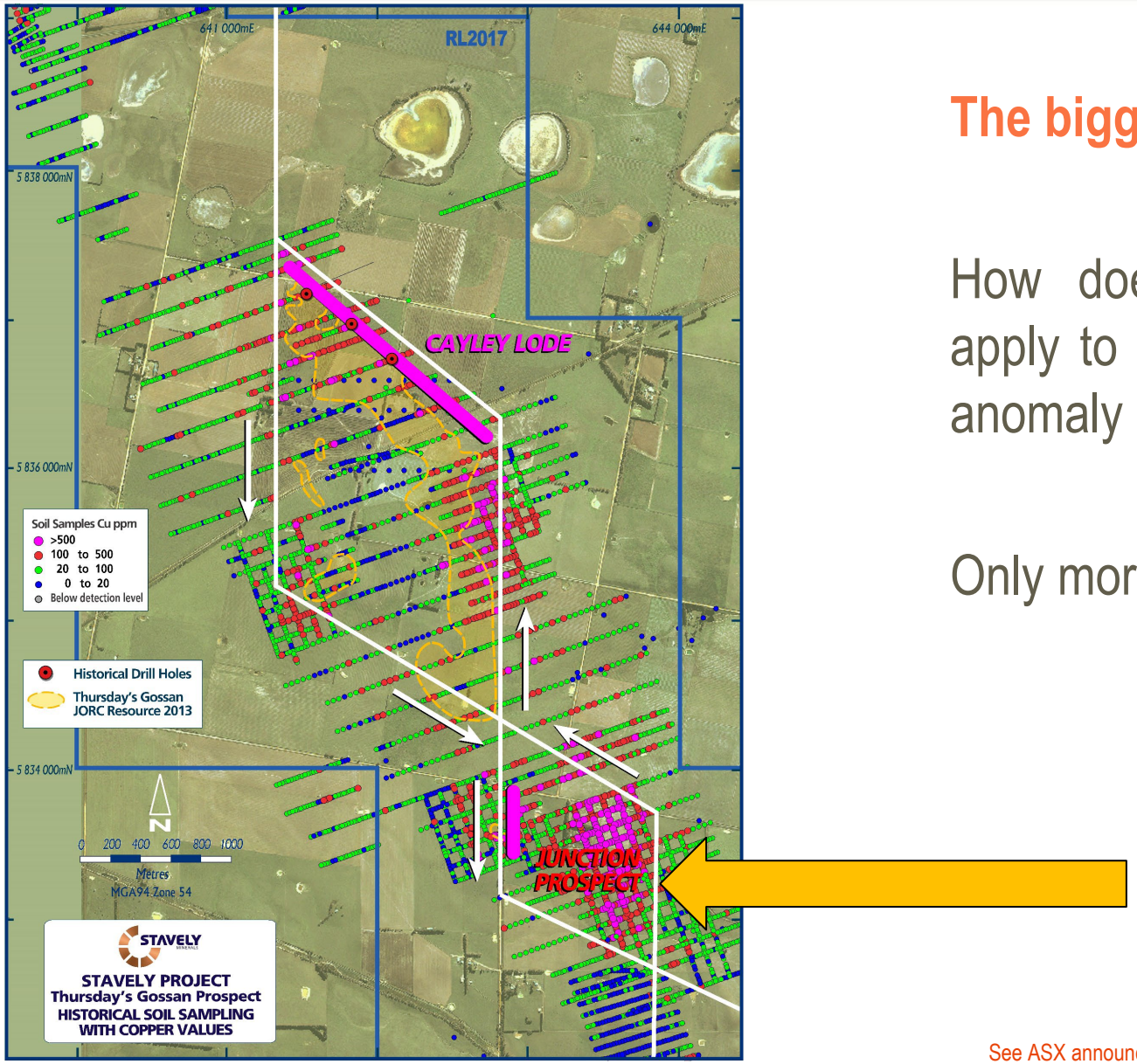

The bigger question is:

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!

See ASX announcement 1 October 2024

Junction Lode Discovery Opportunity – Next Steps

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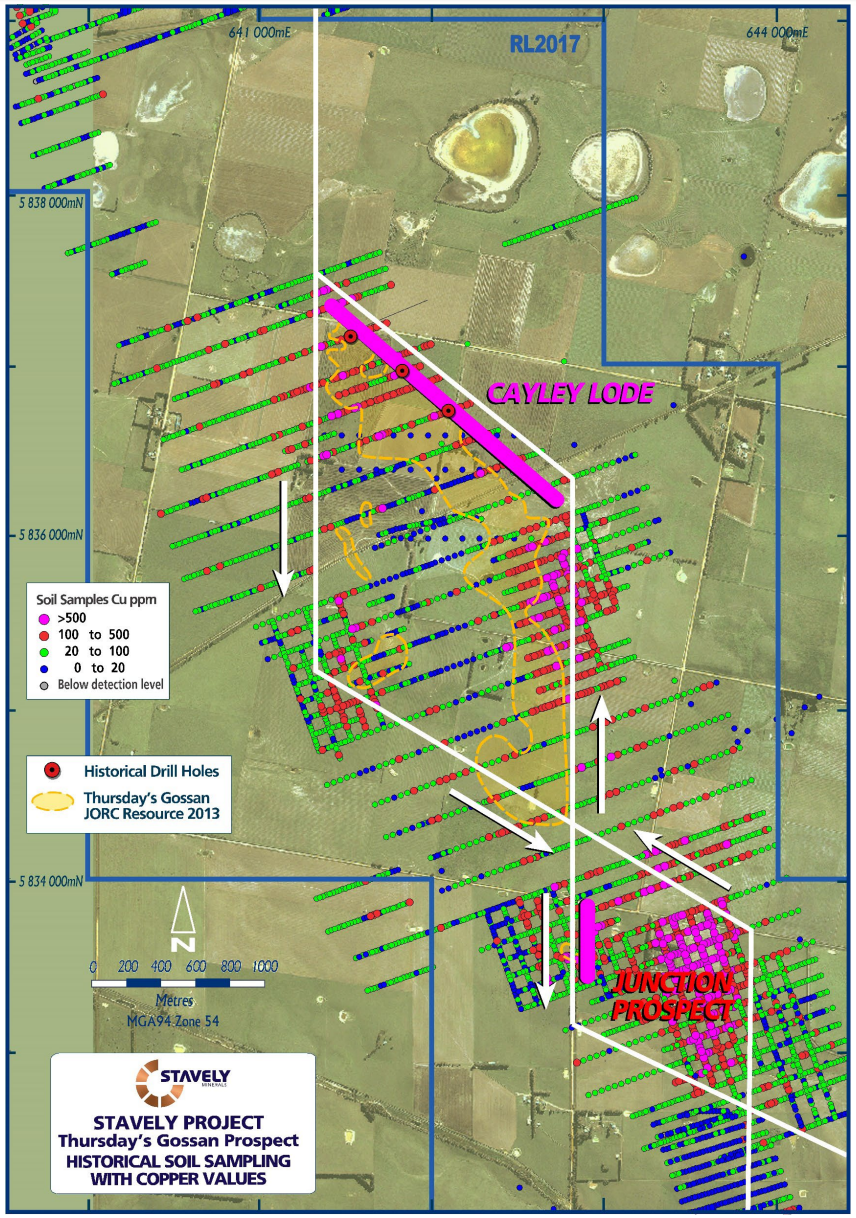

Next Steps:

- 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

See ASX announcement 1 October 2024

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S41 Breccia-Hosted Gold Target

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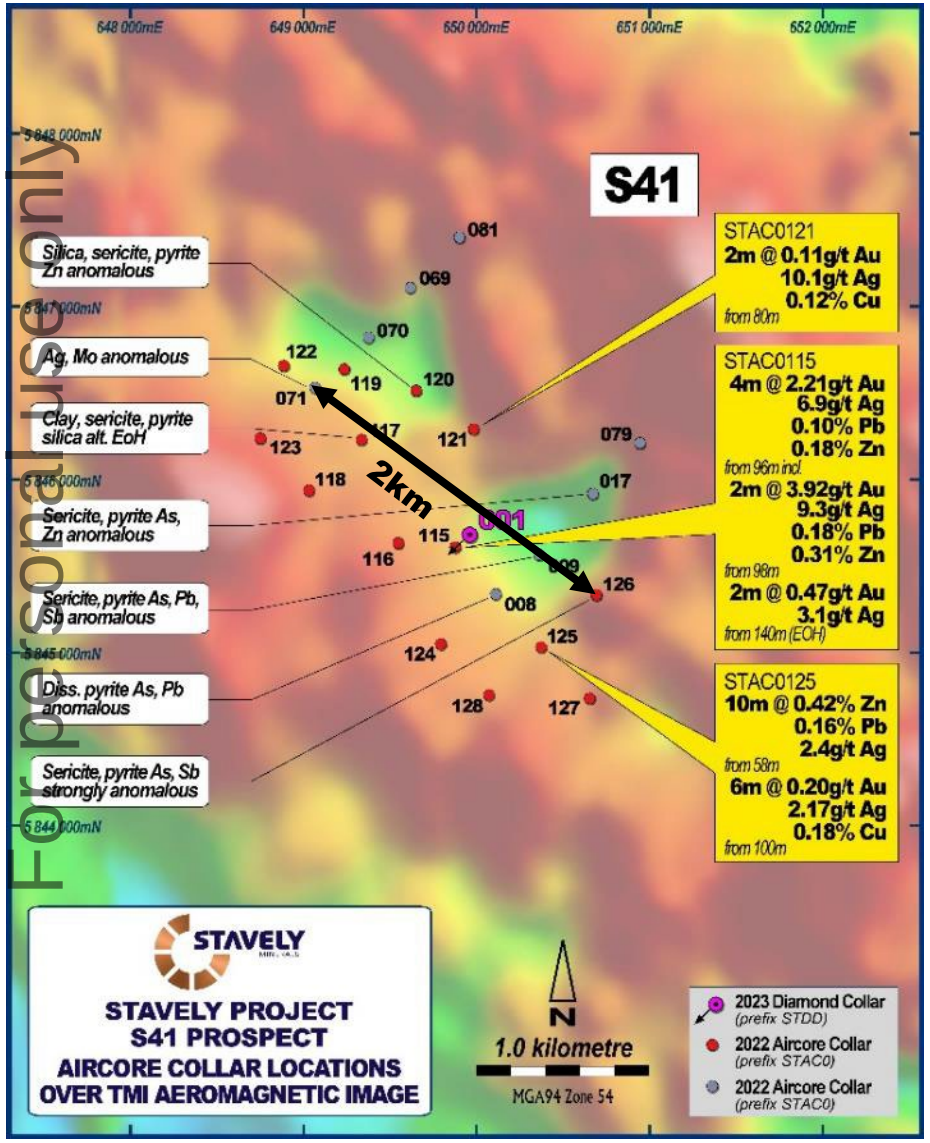
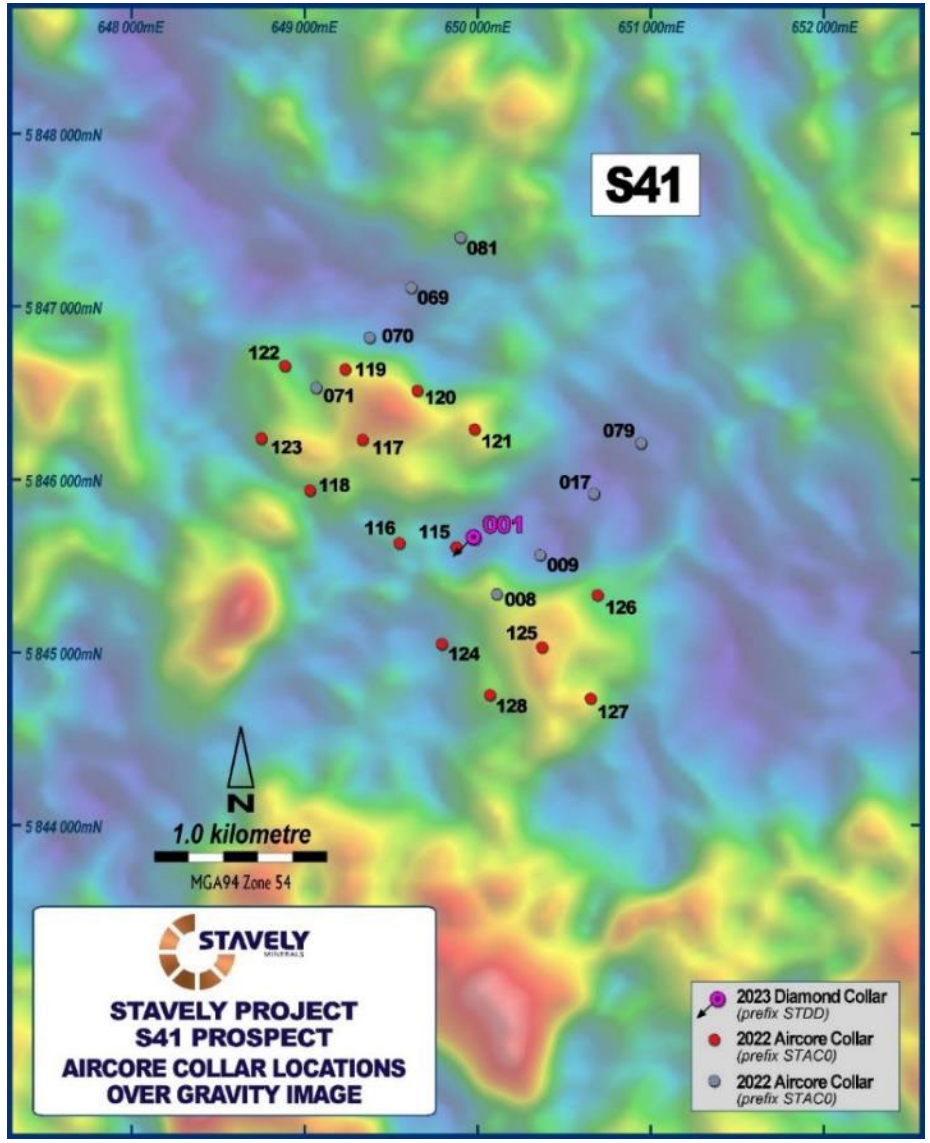
Emerging Discovery? – The S41 Breccia Prospect

Magnetics



Gravity



S41 Prospect Aircore[1]

- ***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

[1]See ASX announcement 19/04/2023

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Emerging Discovery? – The S41 Breccia Prospect

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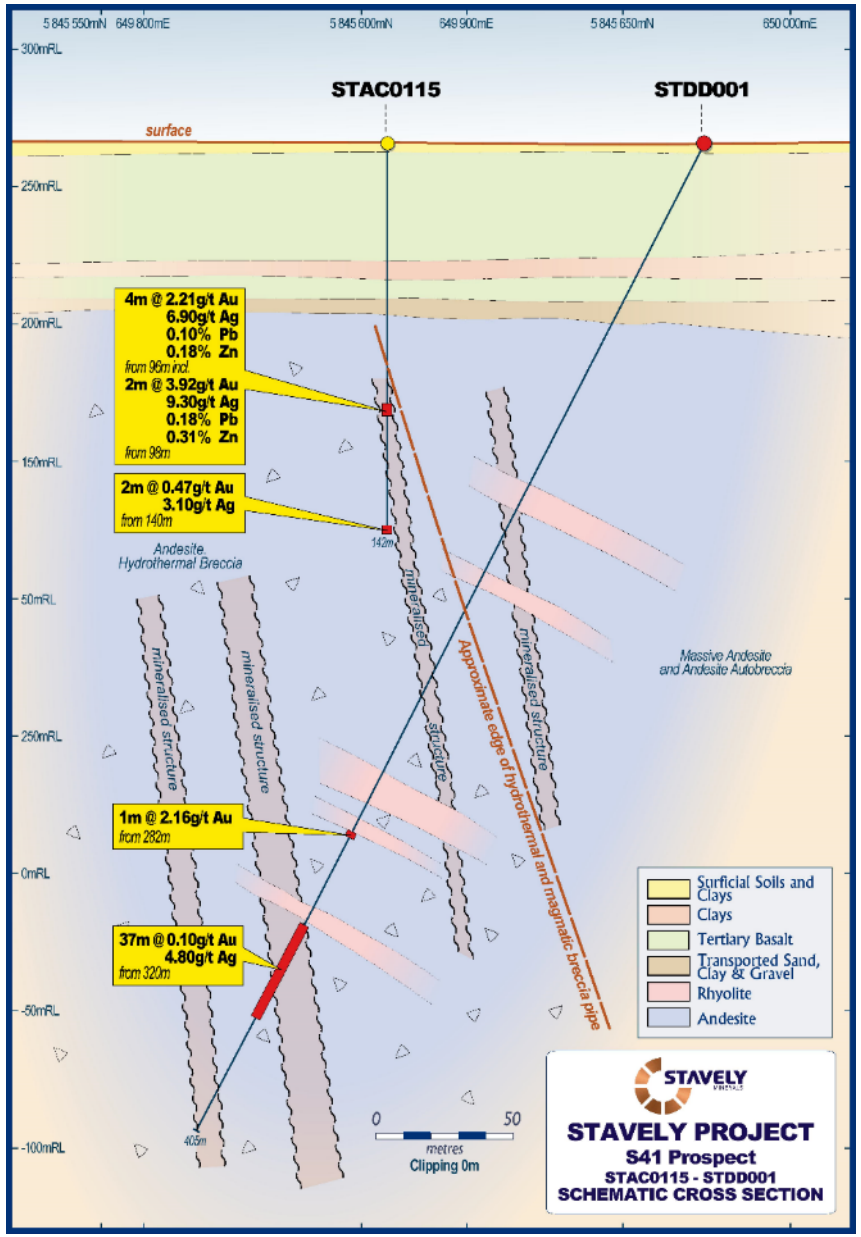
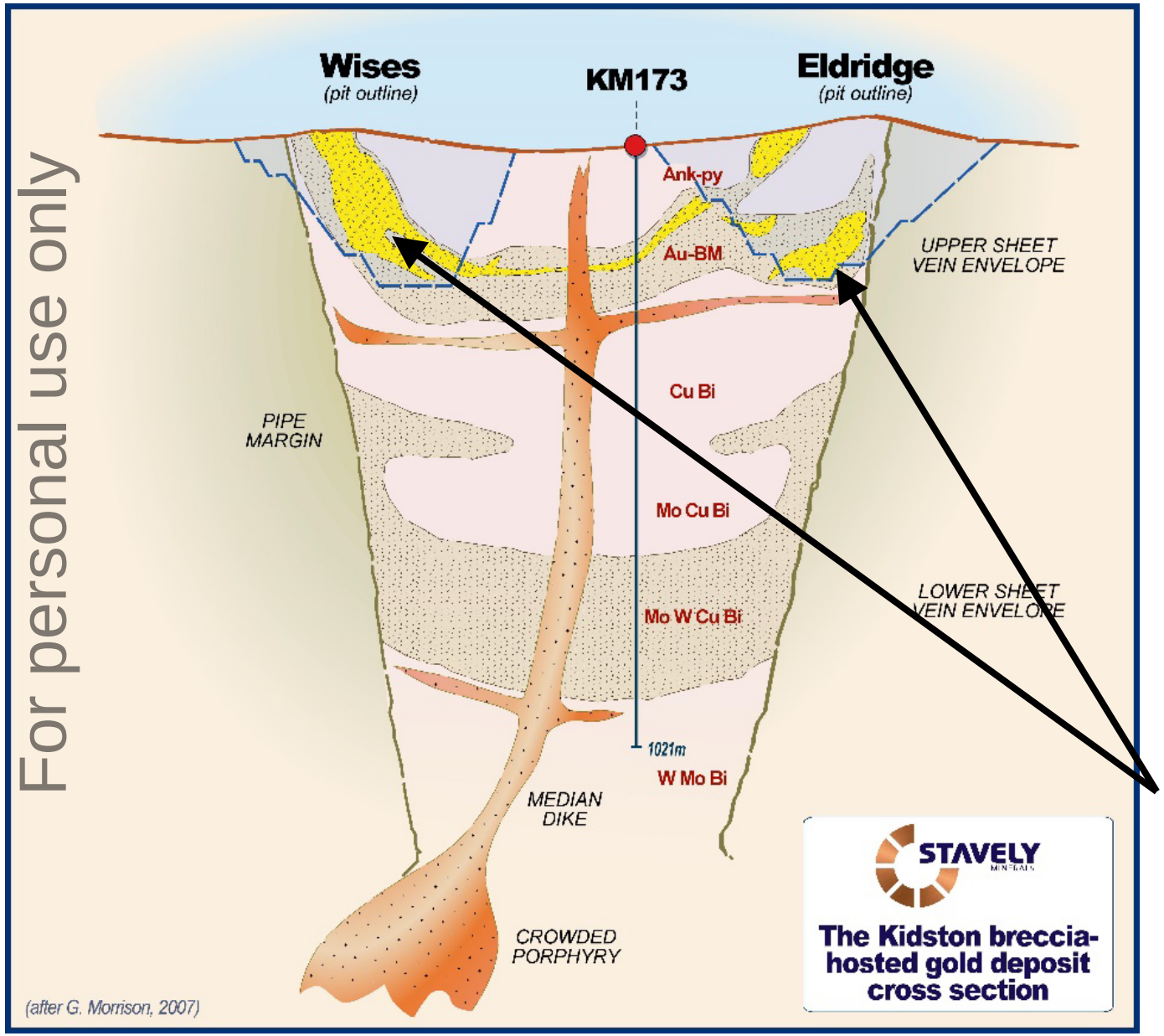


S41 Diamond Drill Hole[1]

- 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

[1]See ASX announcement 26/04/2023

Emerging Discovery? – The S41 Breccia Prospect



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S41 Diamond Drill Hole[1]

- 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

[1]See ASX announcement 26/04/2023

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The demise of sulphide nickel has been grossly exaggerated

- with apologies to Mark Twain

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Why Magmatic Nickel Sulphide?

If you follow the crowd and don't like nickel, close your eyes and stick your fingers in your ears…

A$83.5m – Nova-Bollinger EBITDA Q4 2024 **+95%** of Q4 IGO earnings

A$294m – Nova-Bollinger EBITDA FY2024 **+50%** of FY24 IGO earnings

IGO is a A$4.1B company

"The stock market is filled with individuals who know the price of everything, but the value of nothing."
— Phillip Fisher

Don't be a sheep, do your own research.

Source: IGO June 2024 Quarterly Report and Presentation

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The Hawkstone Magmatic Nickel-Copper Project

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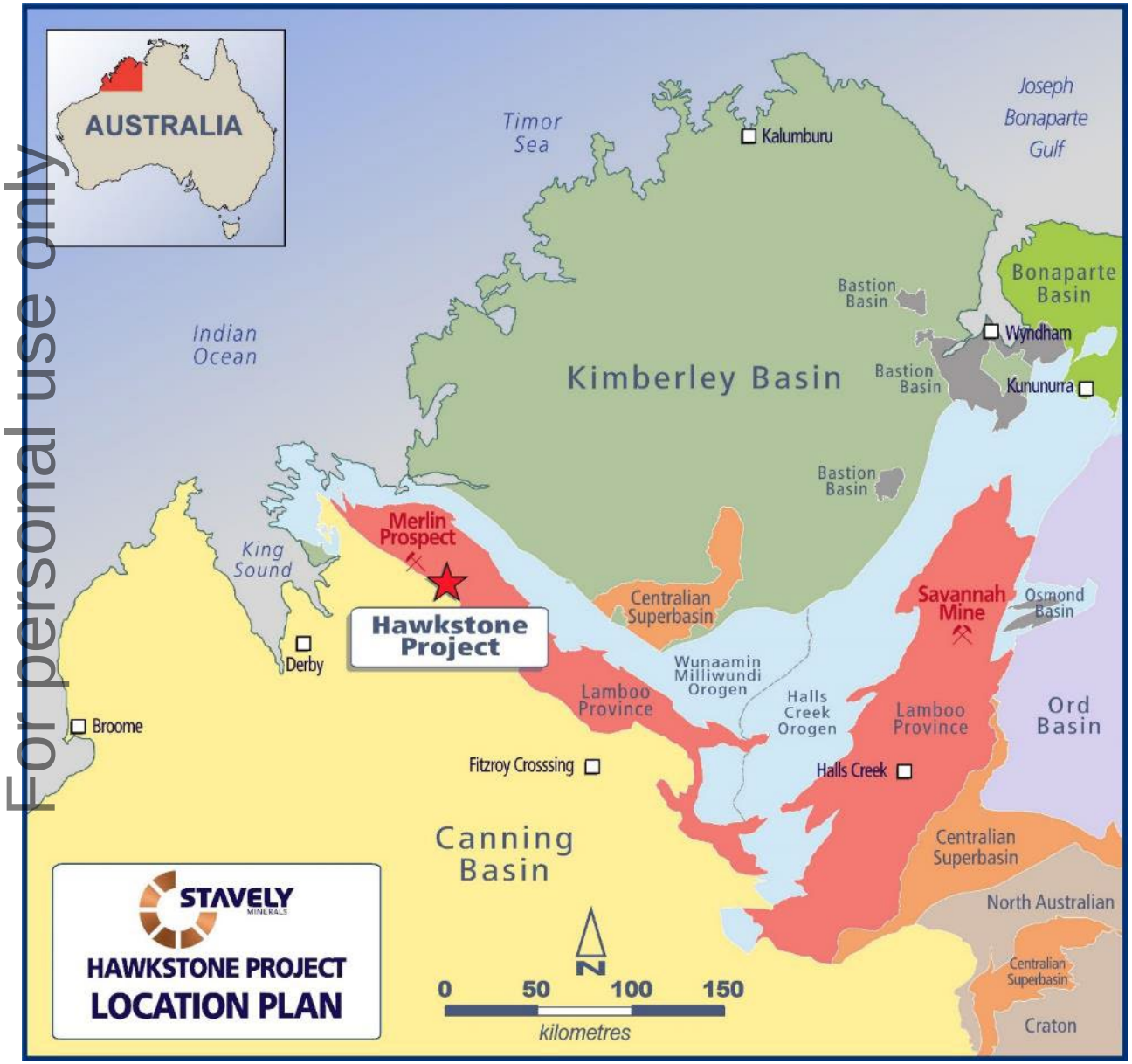
Hawkstone Ni-Cu-Co Project



Hawkstone Ni-Cu-Co Project

- ~870km^2 100% tenure
- ~30km of the prospective Ruins Dolerite
- Buxton / IGO JV Merlin discovery 1km from tenement boundary
- Complementary field season (winter) to the Stavely Project (summer)
- Potential for Li pegmatites as there are historic Sn-W-Ta mines in Stavely Minerals' tenure

See ASX announcement 23/05/2023

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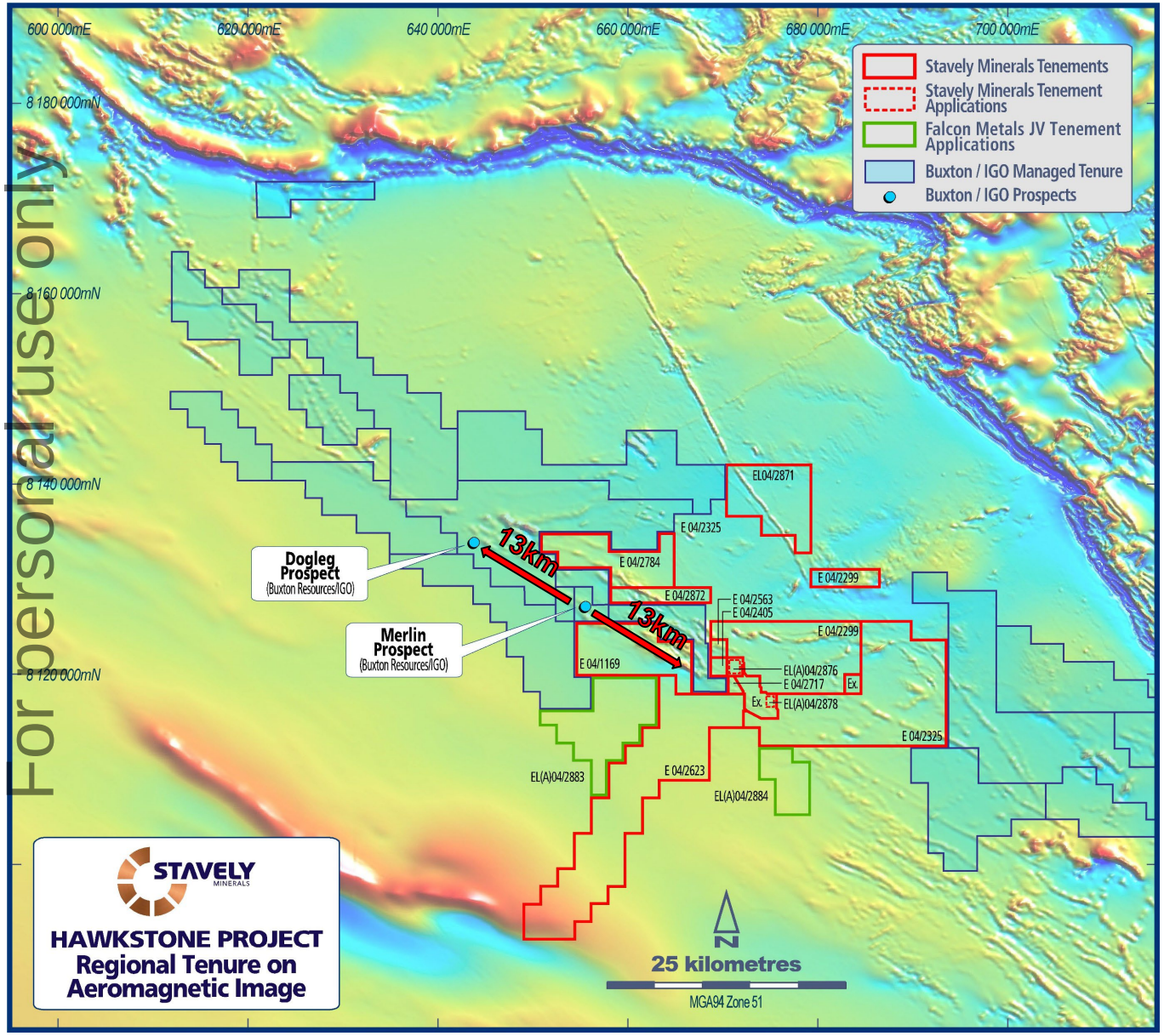
Hawkstone Ni-Cu-Co Project



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Hawkstone Ni-Cu-Co Project

IGO / BUX Dogleg nickel discovery (Quick Shears) 13km NW of Merlin / Double Magic[1]:

- 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."

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

Hawkstone Ni-Cu-Co Project

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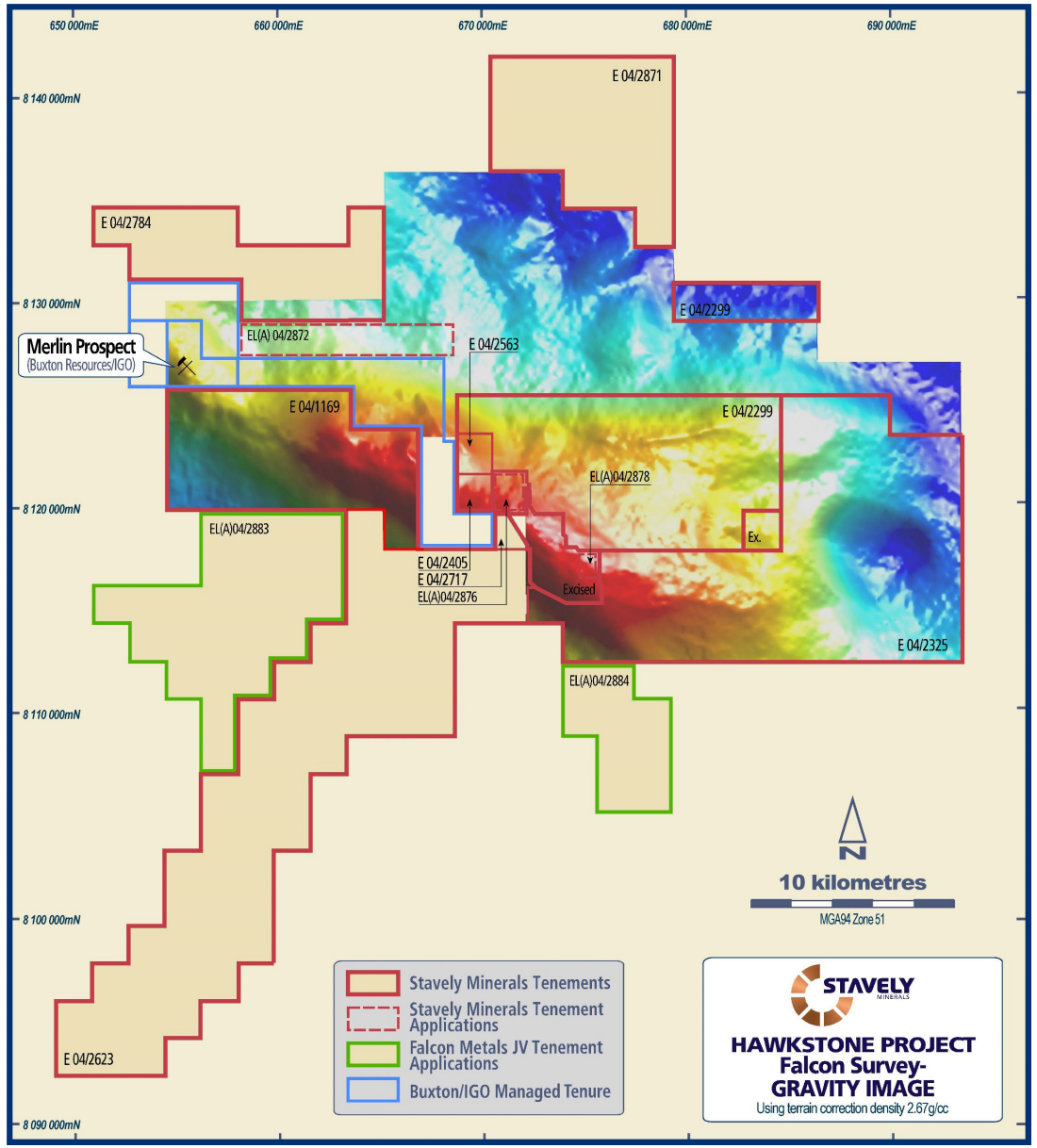
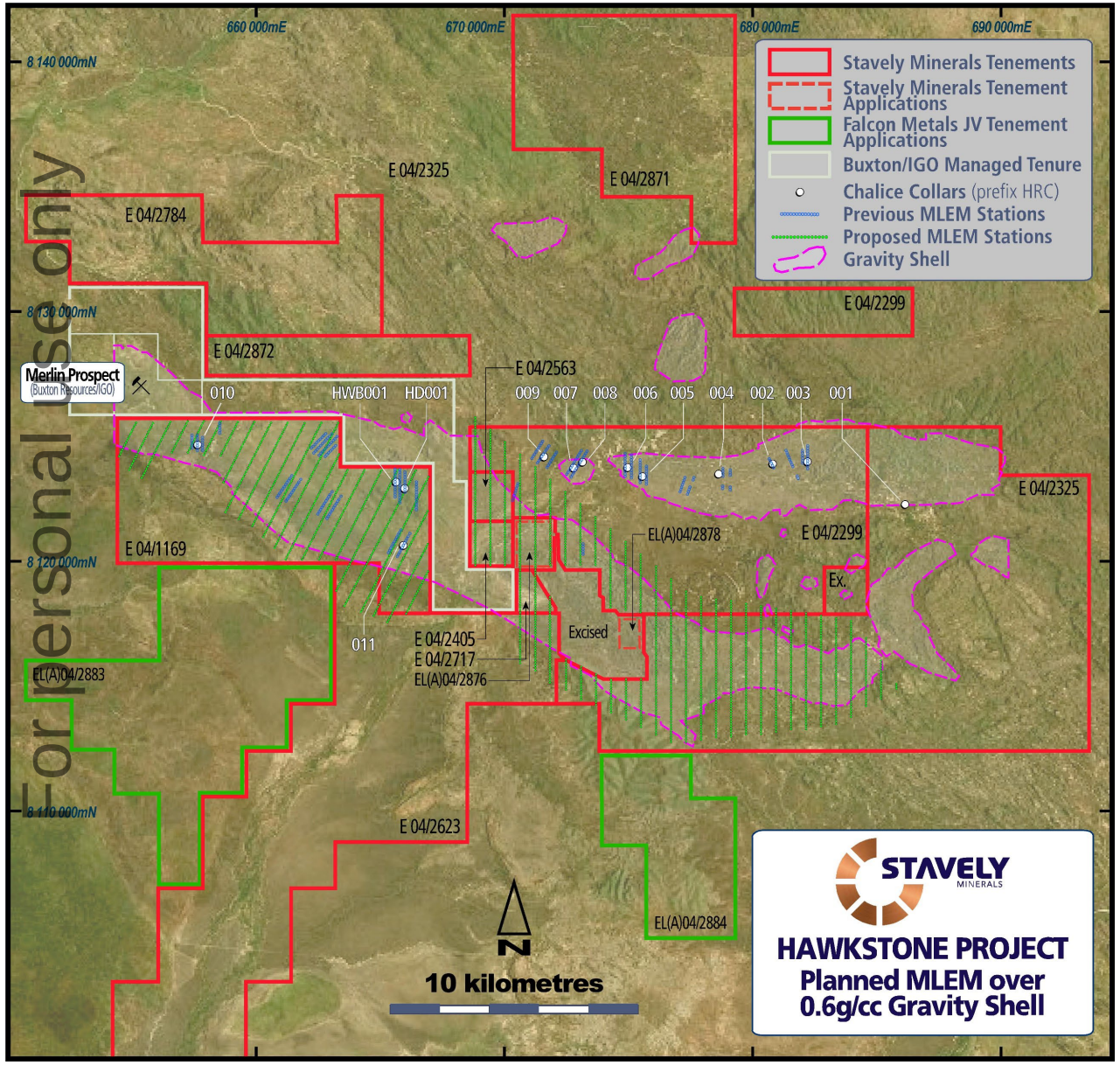


Hawkstone Ni-Cu-Co Project

- 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

See ASX announcement 5/10/2023

Hawkstone Ni-Cu-Co Project



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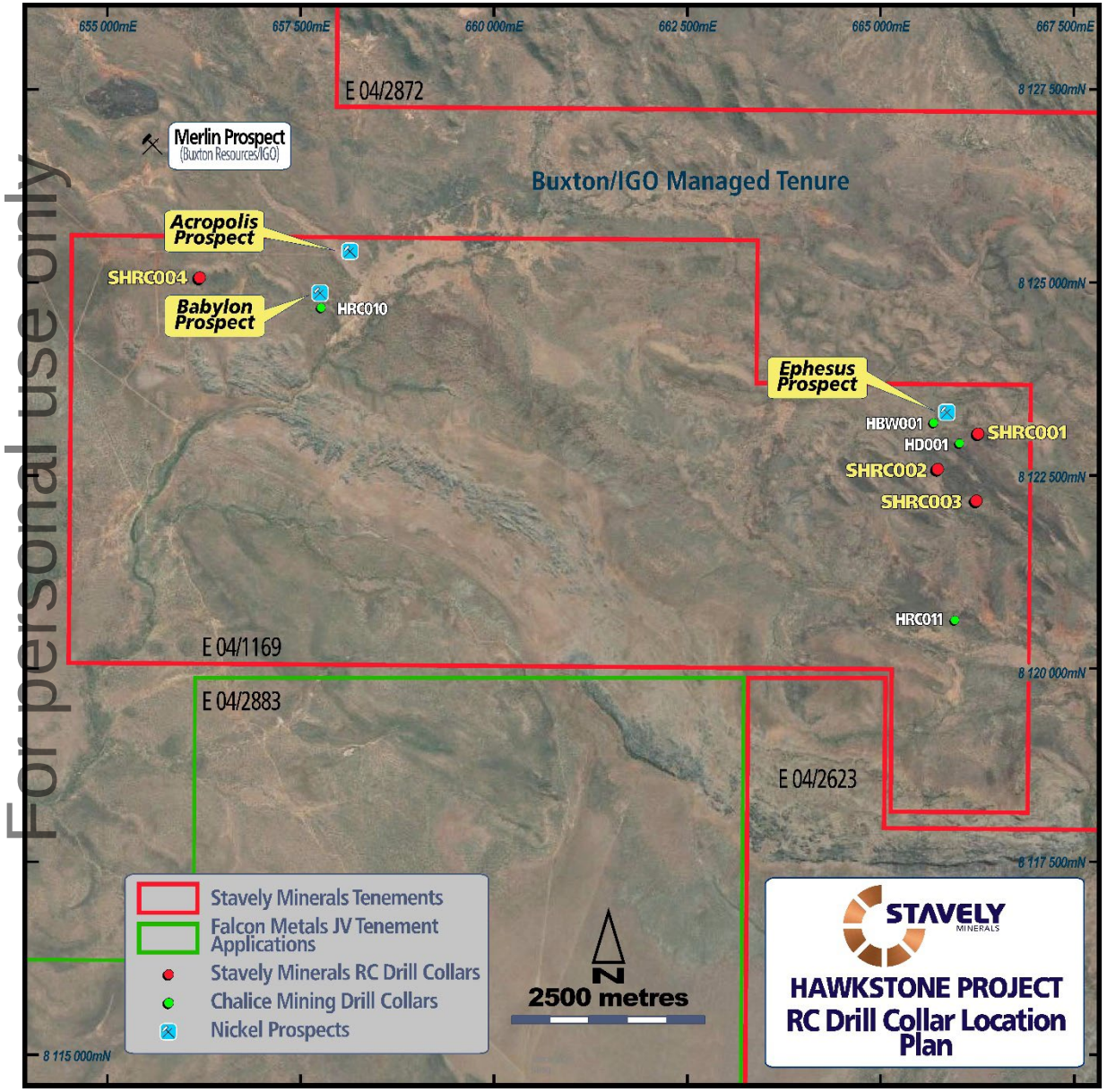
2024 field season complete[1]

- large moving-loop EM (MLEM) survey WA EIS co-funding grant of up to **$230,000**[2]
- RC drilling of shallow conductors to 200m
  - WA EIS co-funding grant of up to **$170,000**[2]
- Deeper MLEM conductor to be tested with a deep diamond drill hole to 800m
  - WA EIS co-funding grant of up to **$220,000**[1,3] – effectively deferred to 2025 with a new grant

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

[1]See ASX:SVY announcement 20 November 2024
[2]See ASX:SVY announcement 6 May 2024
[3]See ASX:SVY announcement 14 November 2023

Hawkstone Ni-Cu-Co Project



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2024 field season complete[1]

- Drilled 4 RC drill holes
- Moving loop electro-magnetic (MLEM) surveying
  - 499 stations
  - 32 profiles (lines)
  - 43.5 line kilometres
- 117 stream sediment geochemical samples taken
  - Analysed by low-level BLEG for gold
  - Also analysed for a 52-element suite plus gold
- 68 reconnaissance rock-chips taken
  - Analysed for 60 elements including REE plus gold

A steep learning curve in our first year in the field but we are well established for the 2025 field season.

[1]See ASX:SVY announcement 20 November 2024

Hawkstone Ni-Cu-Co Project

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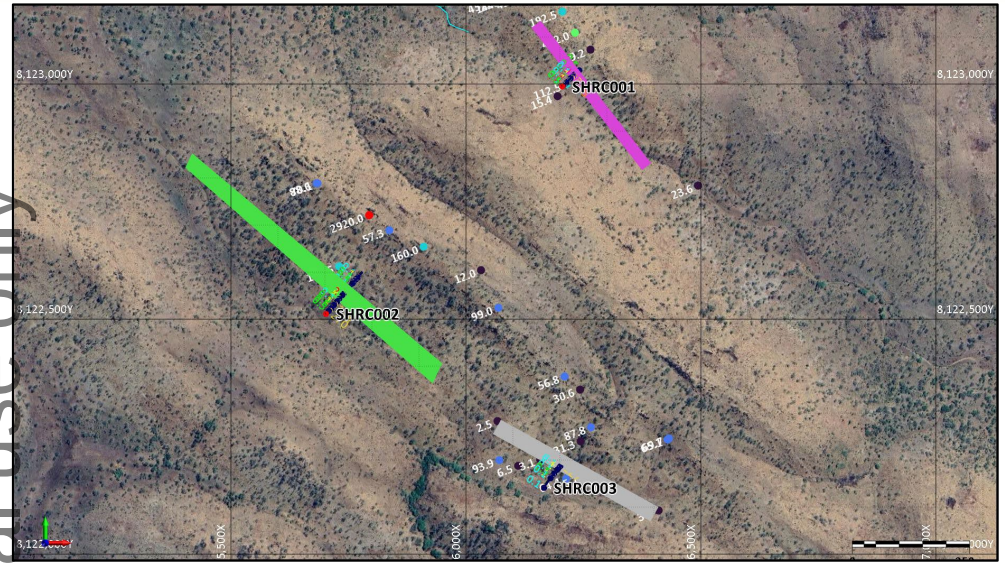
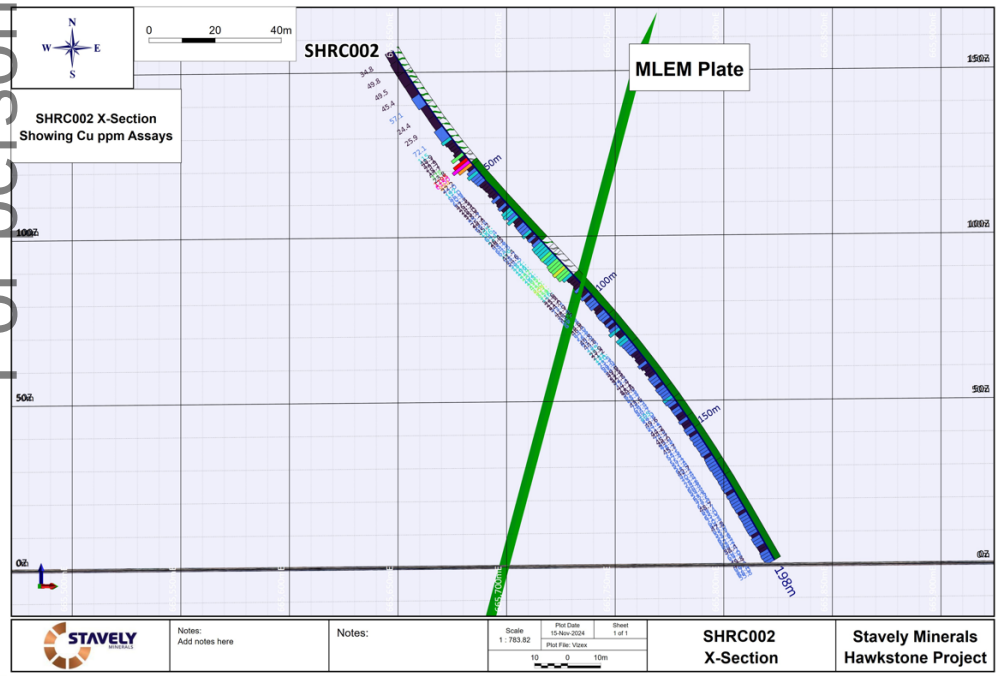


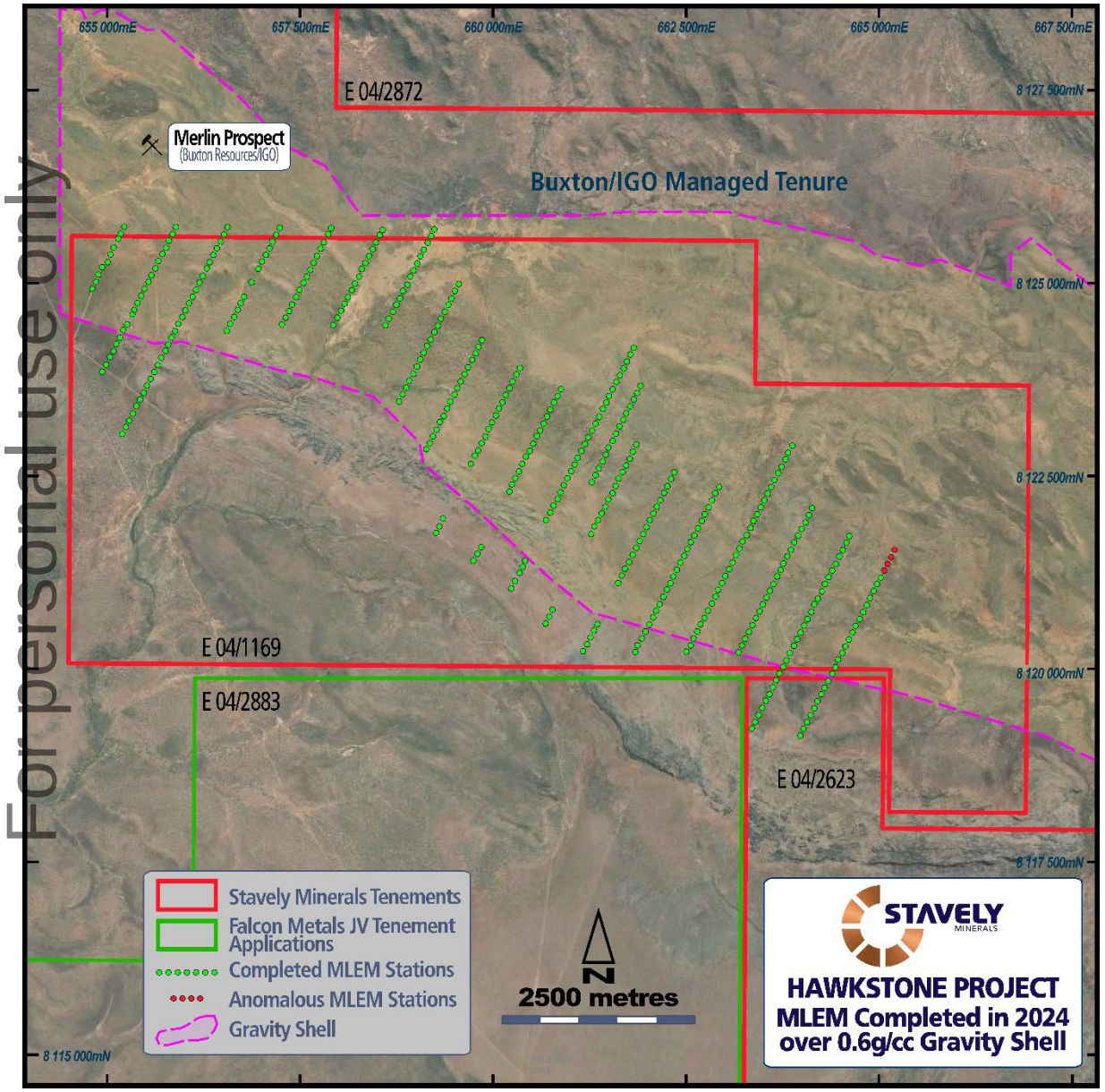


2024 field season complete[1]

- Drilled 4 RC drill holes
  - Best result:
    - ***1m at 0.62% Cu, 0.03% Co and 7g/t Ag from 45m drill depth in SHRC002***
- Moving loop electro-magnetic (MLEM) surveying
  - 499 stations
  - 32 profiles (lines)
  - 43.5 line kilometres
- 117 stream sediment geochemical samples taken
  - Analysed by low-level BLEG for gold
  - Also analysed for a 52-element suite plus gold
- 68 reconnaissance rock-chips taken
  - Best result:
    - ***0.29% Cu and 0.07% Co***

[1]See ASX:SVY announcement 20 November 2024

Hawkstone Ni-Cu-Co Project



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2024 field season complete[1]

- Drilled 4 RC drill holes
- Moving loop electro-magnetic (MLEM) surveying
  - 499 stations
  - 32 profiles (lines)
  - 43.5 line kilometres
  - **An emerging conductor located beyond the end of line 79300**
    - **To be followed-up in May 2025**
- 117 stream sediment geochemical samples taken
  - Analysed by low-level BLEG for gold
  - Also analysed for a 52-element suite plus gold
- 68 reconnaissance rock-chips taken
  - Analysed for 60 elements including REE plus gold

[1]See ASX:SVY announcement 20 November 2024

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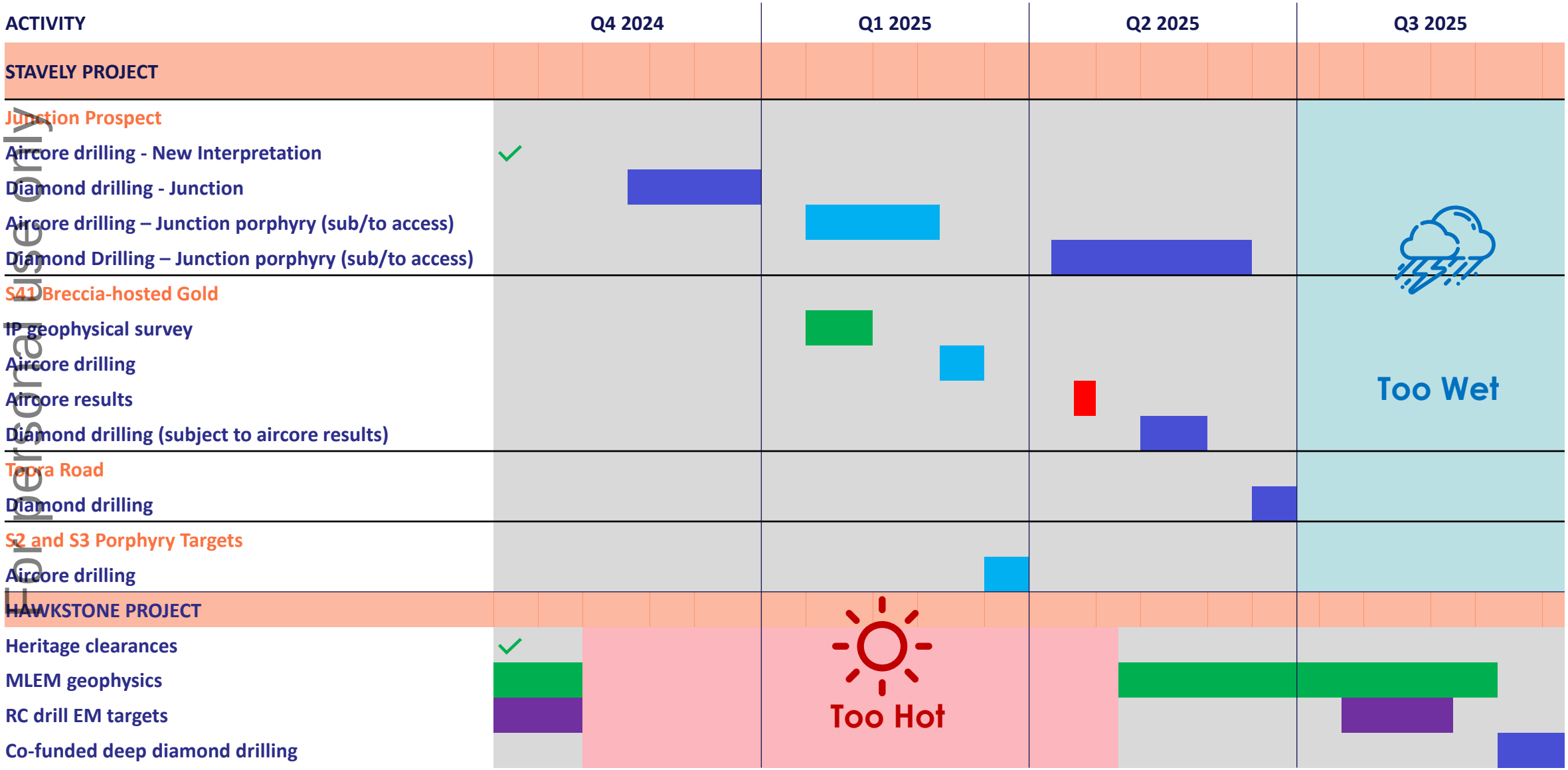
Work Programme

12-month Work Programme



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Corporate Summary

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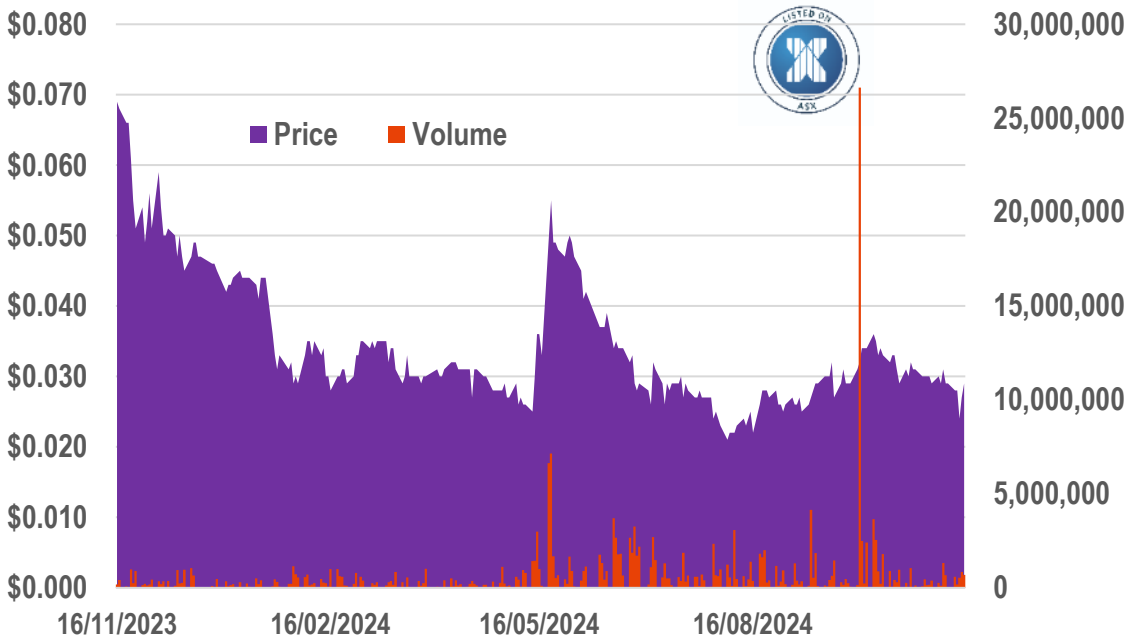
CAPITAL STRUCTURE	
ASX Ticker	SVY
Share Price (20/11/24)	$0.024
Shares on Issue	482M
Cash (30/09/24)	$2.9M
Market Capitalisation	$11.6M
Management and Staff	~10% equity

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

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Copper and Nickel …the Ultimate "Future-Facing" Commodities

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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

Copper and Nickel…Compelling Market Fundamentals

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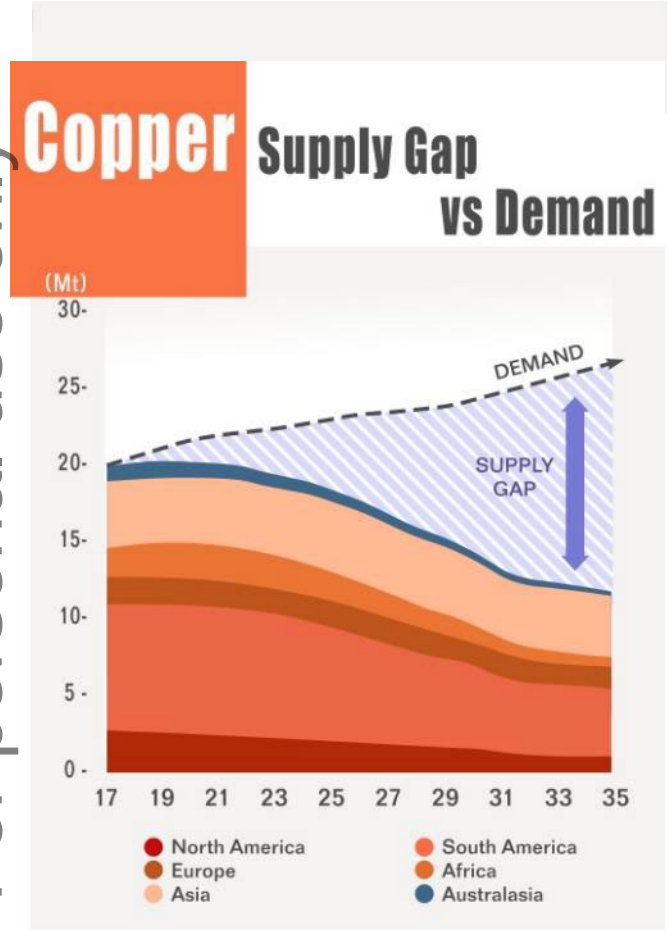
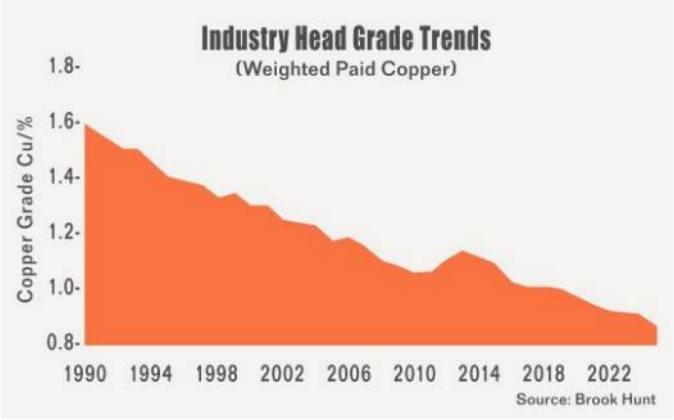


CRU estimates a 15 million tonne copper supply deficit by 2035

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



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STAVELY MINERALS

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The information in this presentation is extracted from information available to view on 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.

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Appendix 1: Mineral Resources

Appendix 1: Mineral Resources Classifications

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Table 1. Cayley Lode Initial Mineral Resource estimate

Resource Material	Resource Category	Cut-off (Cu %)	Tonnes (Mt)	Grade (Cu %)	Cont. Cu (Mlbs)	Grade (Au g/t)	Cont. Au (oz)	Grade (Ag g/t)	Cont. 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 (Cu %)	Tonnes (Mt)	Grade (Cu %)	Cont. (Mlbs Cu)	Grade (Au g/t)	Cont. (oz Au)	Grade (Ag g/t)	Contained Metal (oz Ag)	Grade (Zn %)	Cont. (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

Cayley Lode bornite mineralisation - photo from ASX announcement 11 September 2019

[1] Reported in compliance with the JORC Code 2012, see ASX announcement 14 June 2022