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

19 October 2023

Disclaimer

- 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.
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A Modern Australian Energy Metals Growth Company

What does Stavely Minerals offer that is different?

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[1]***
- Belief there is a large porphyry at depth eg.:
  - *Far Southeast*
  - *Resolution*

Stavely Project - S41 Au-Ag Prospect

- Recent discovery of ~2km long breccia pipe
- Carbonate – base metal – gold system eg.:
  - *Kidston*
  - *Mt Leyshon*
  - *Kelian*

Hawkstone Magmatic Ni-Cu-Co Project[2]

- Adjacent to IGO / Buxton Merlin / Double Magic discovery – ave. 8% Ni tenor
  - *Eg. Nova & Bollinger*

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

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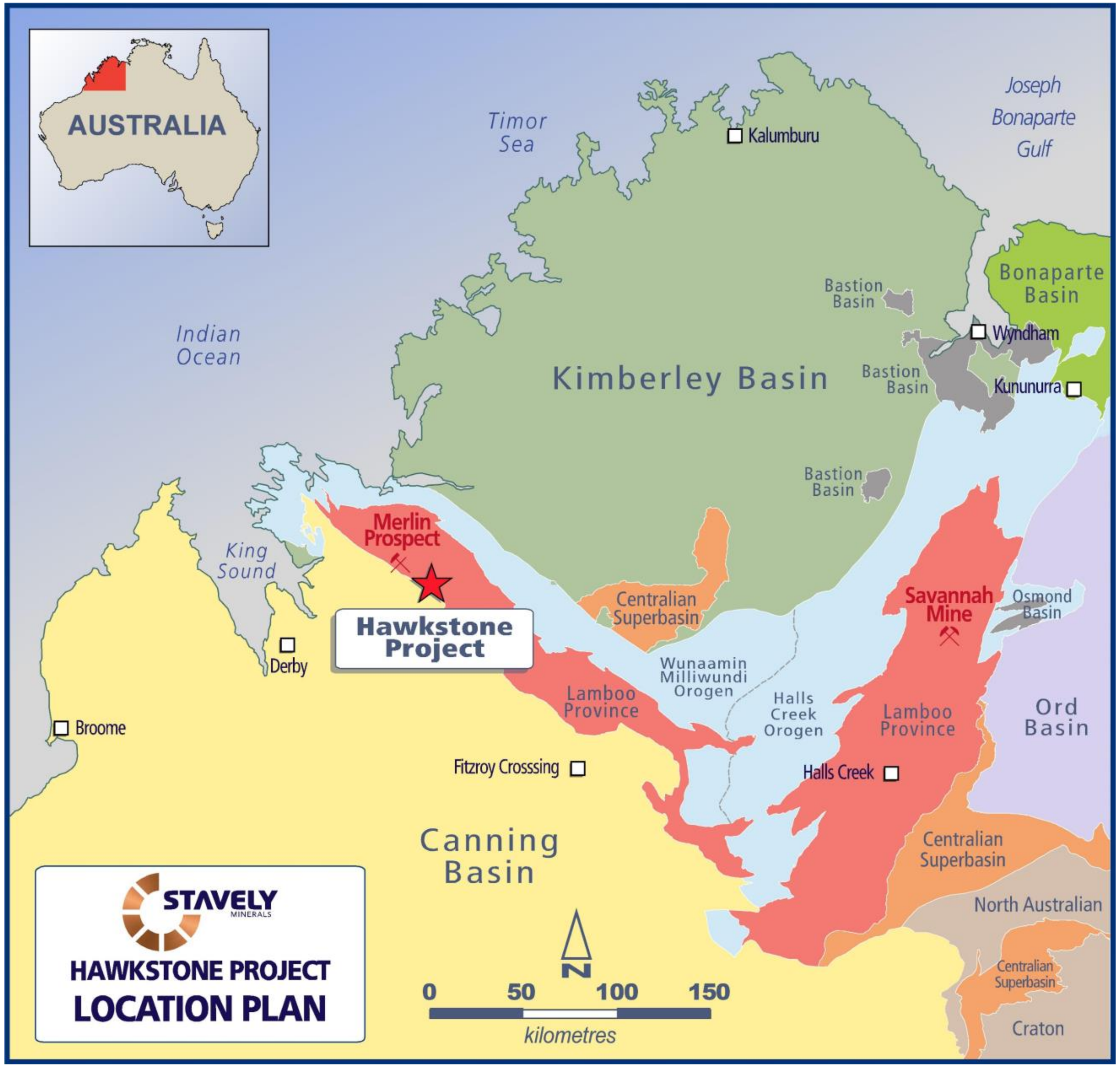
Hawkstone Ni-Cu-Co Project – An Emerging Nickel-Copper-Cobalt Province

Hawkstone Ni-Cu-Co Project



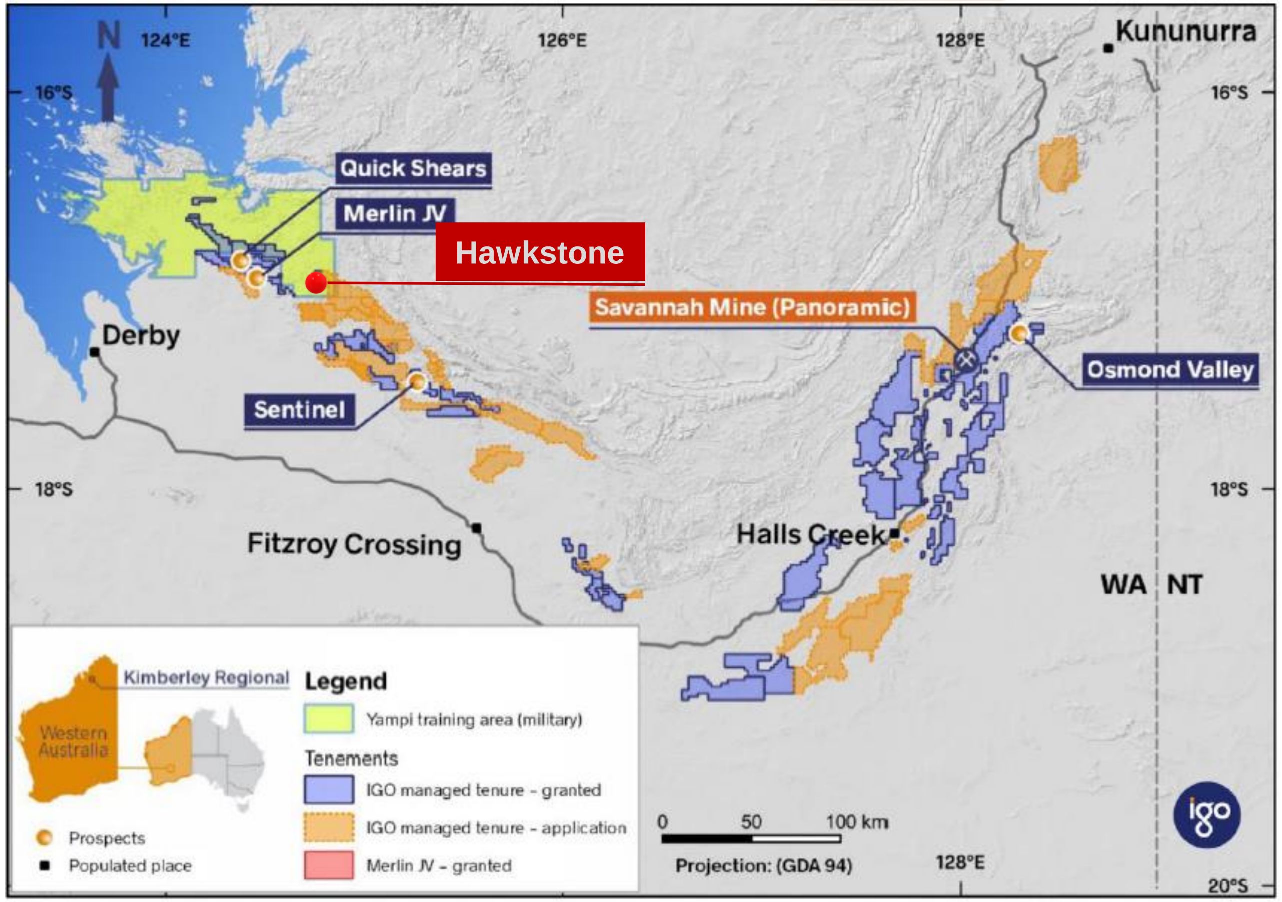
Hawkstone Ni-Cu-Co Project

- ~850km2
- ~30km of the prospective Ruins Dolerite
- Buxton / IGO JV discovery 1km from tenement boundary
  - High tenor ave. 8%Ni (=~24g/t Au[1])
- Complimentary field season (winter) to the Stavely Project (summer)
- Potential for Li pegmatites as there are historic Sn-W-Ta mines

[1] AuEq = nickel grade (%) x ((AUD nickel price/ 0.000453592) / 100) / (AUD gold price / 31.10347)

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

Hawkstone Ni-Cu-Co Project



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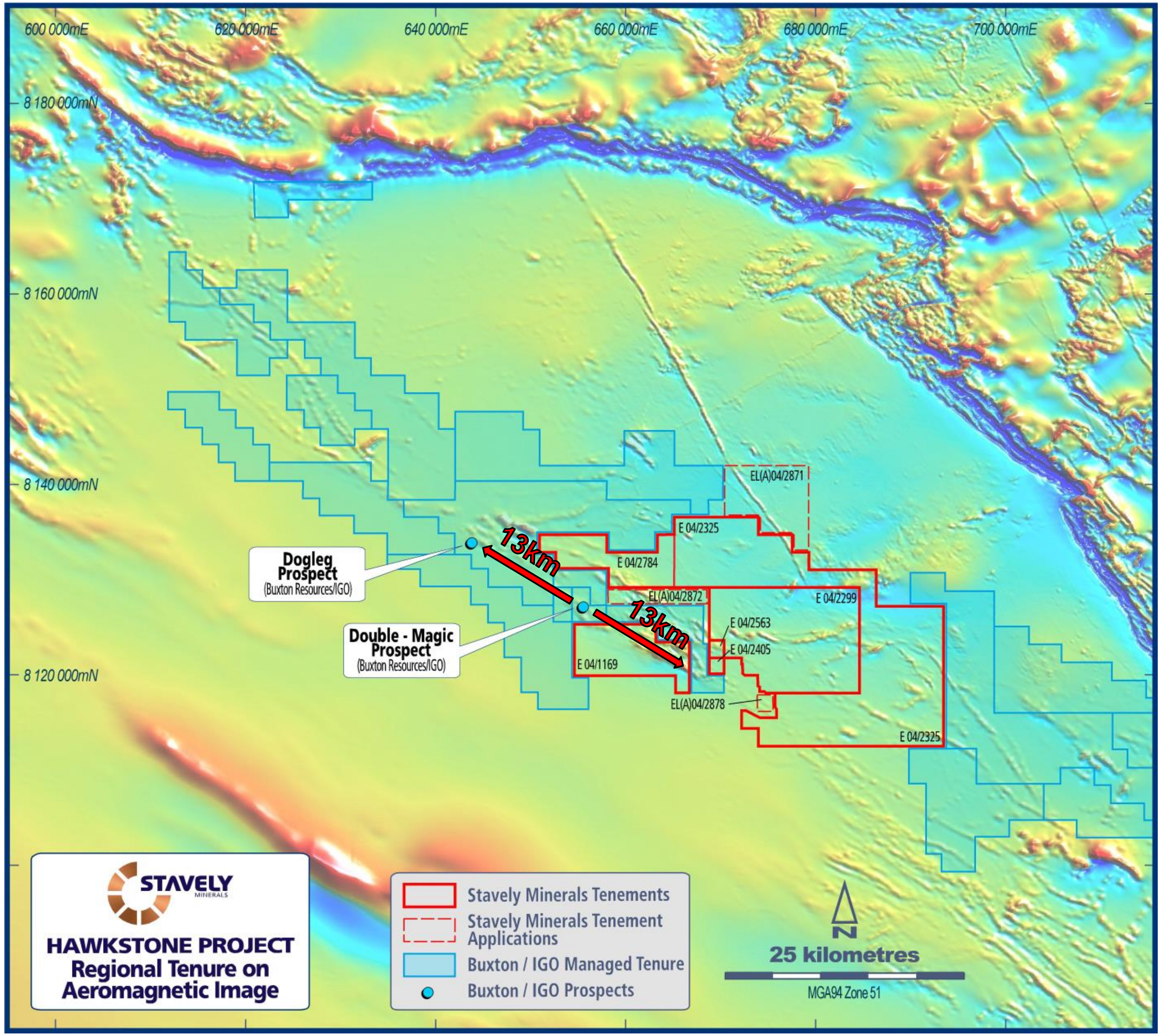
  - High tenor ave. 8%Ni = ~24g/t Au
- NEW Dogleg nickel discovery (Quick Shears) 13km NW of Merlin / Double Magic[1]:
  23WKDD003 - 14.7m of mineralization, incl.
    - 6.57m of massive sulphide

  23WKDD004 – 2.85m of semi-massive sulphide
- Emerging Ni-sulphide province
- **IGO is a major holder – regional play**

[1]See ASX:BUX announcement 04/10/2023 and 19/10/2023

Hawkstone Ni-Cu-Co Project



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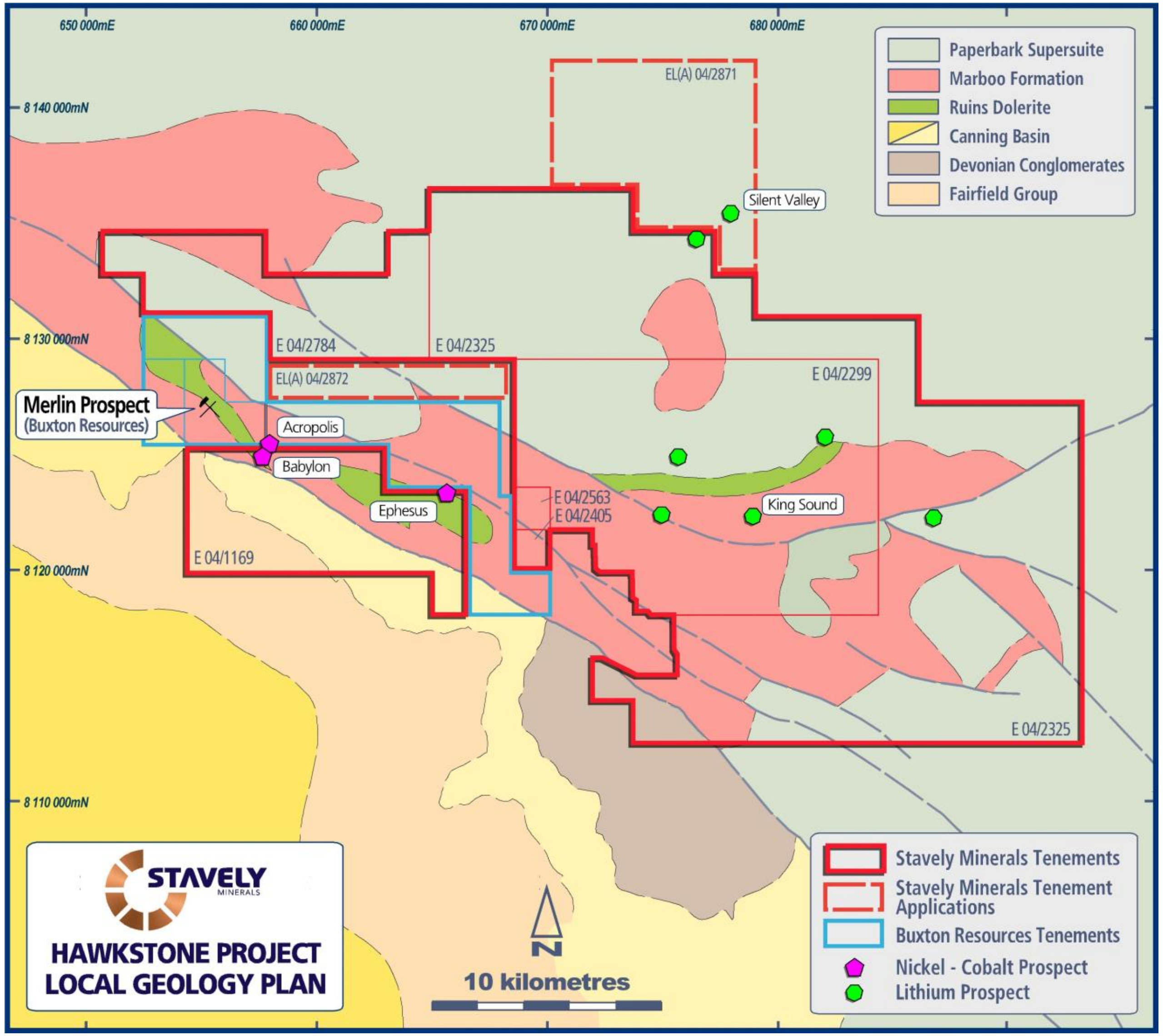

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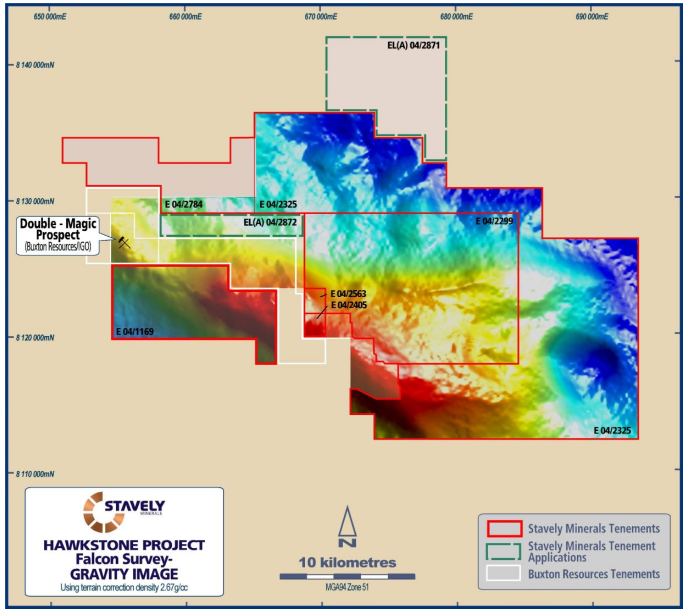
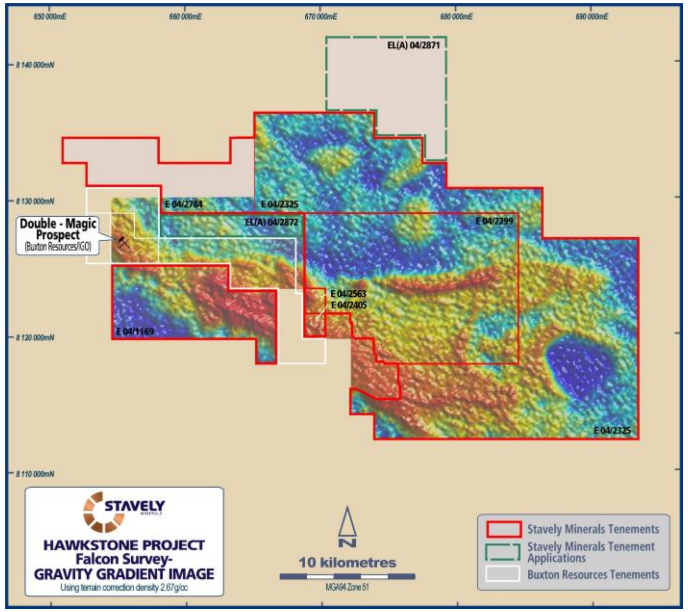
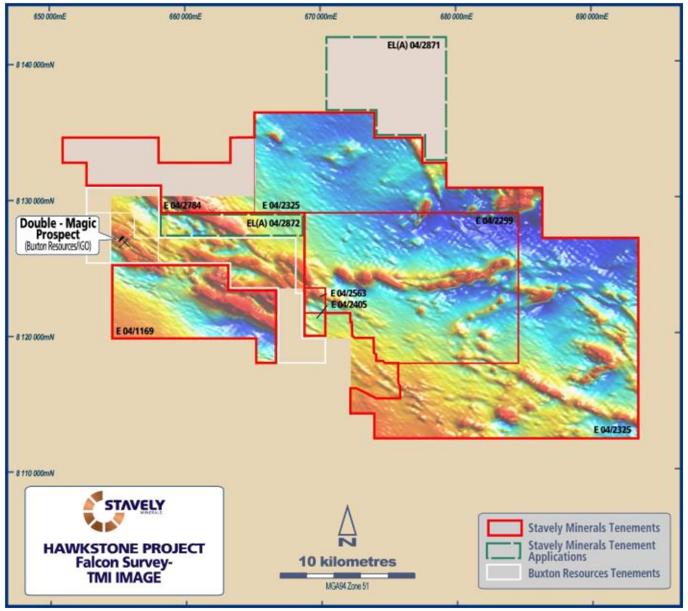
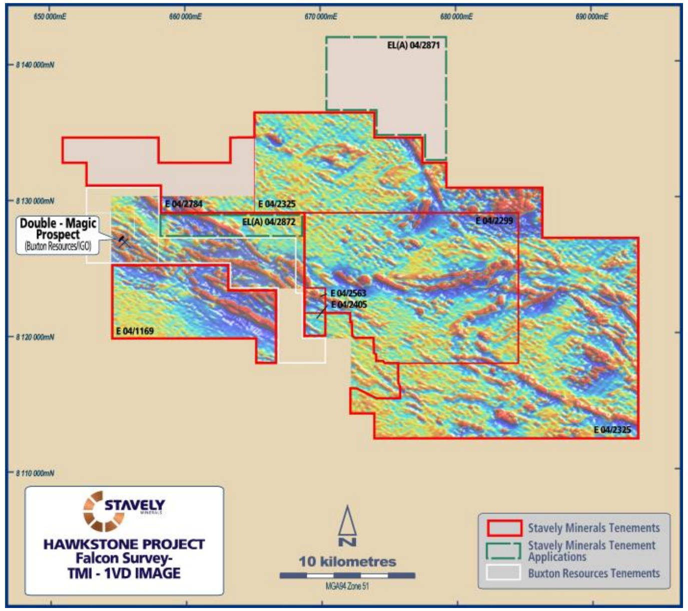








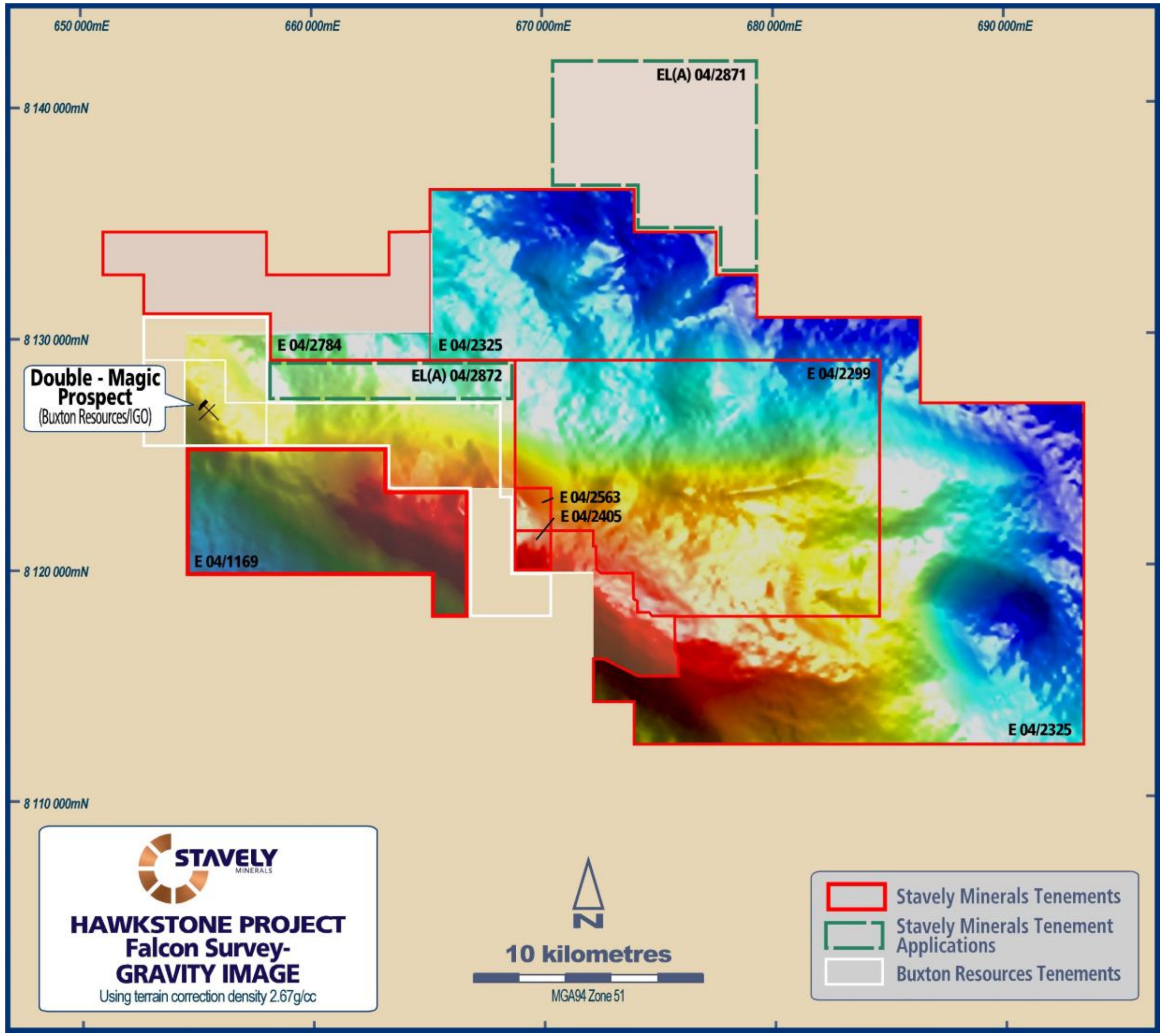
Hawkstone Ni-Cu-Co Project

- ~850km2
- ~30km of the prospective Ruins Dolerite
- Recently acquired Falcon Gravity Gradiometer / magnetic survey
- Setting up for exploration success
- Buxton / IGO JV Merlin / Double Magic discovery 1km from tenement boundary
  - High tenor ave. 8%Ni

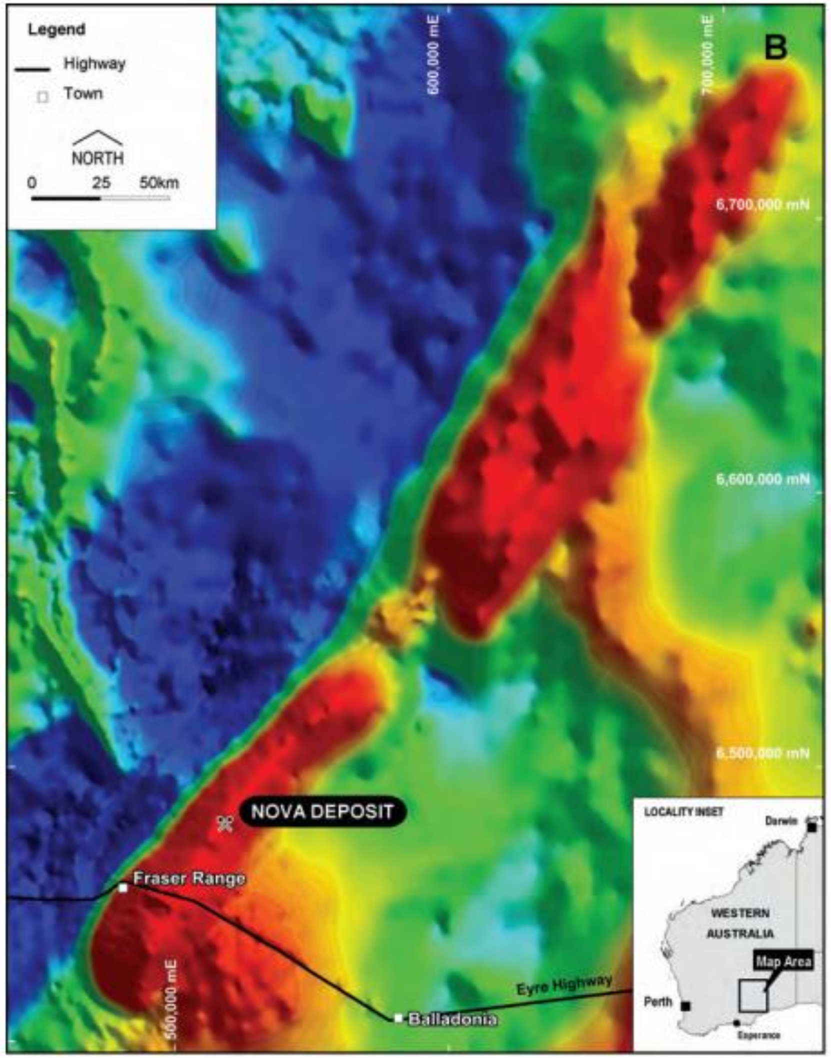
See ASX announcement 05/10/2023 and available from www.stavely.com.au

Hawkstone Ni-Cu-Co Project

Hawkstone Gravity



Nova Gravity

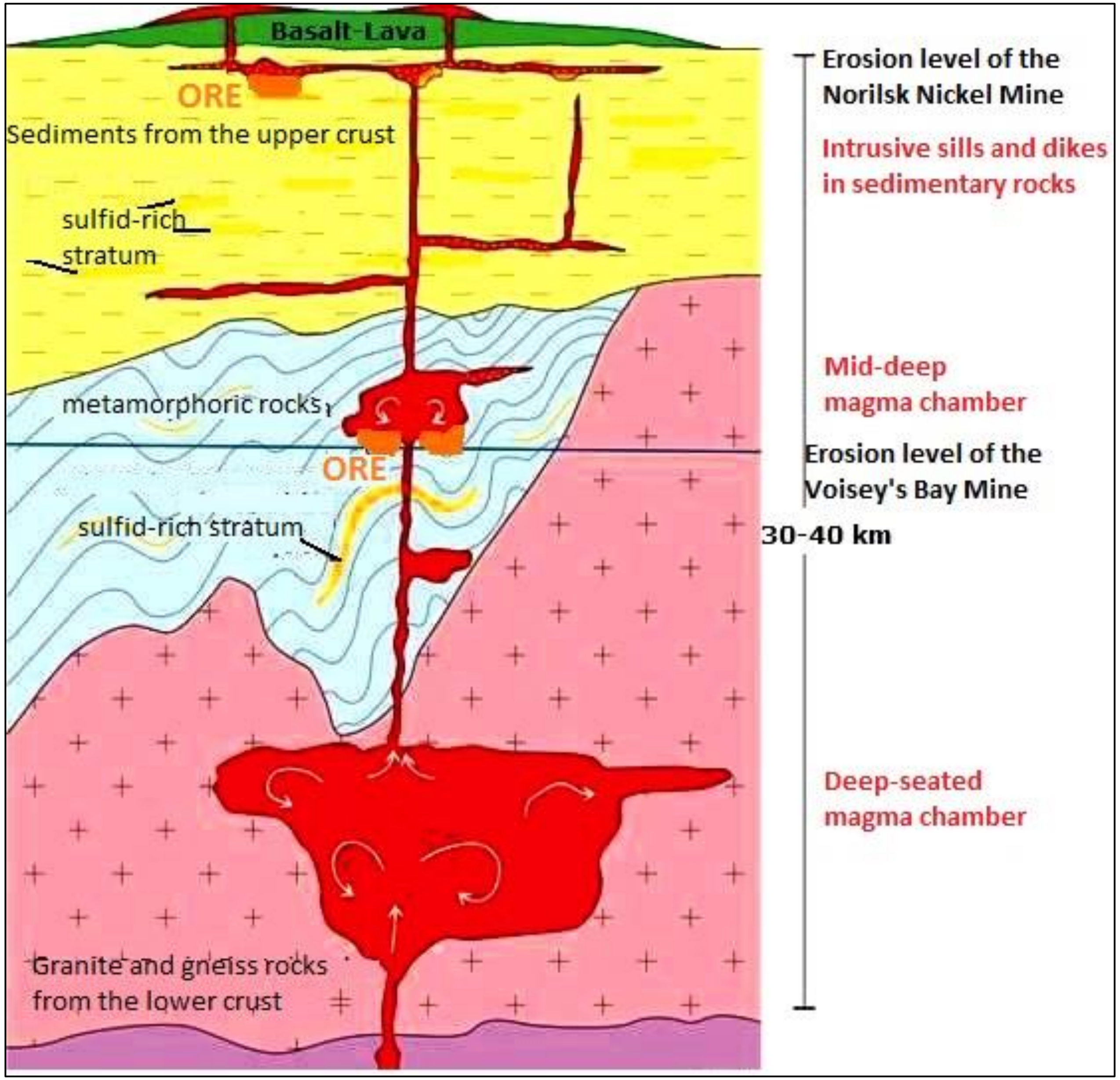


Nova discovery intercept:

- 4m at 3.8% Ni and 1.42% Cu[1]

[1]Bennett, M., et. al,., 2014, Motive, Means, and Opportunity: Key Factors in the Discovery of the Nova-Bollinger Magmatic Nickel-Copper Sulfide Deposits in Western Australia, SEG Special Publication 18, pp301-320.

Hawkstone Ni-Cu-Co Project – Voisey's Bay Analogy

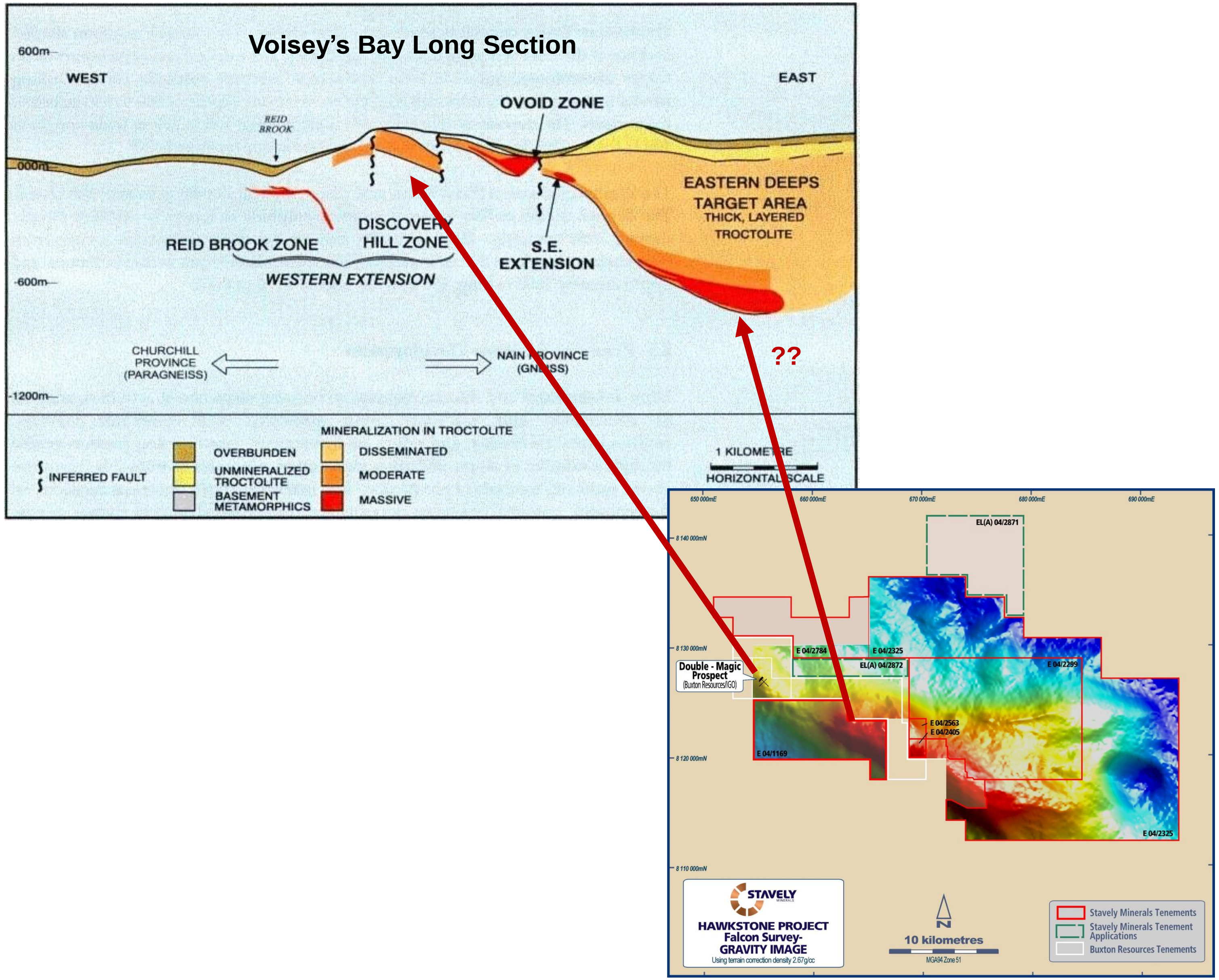


Hawkstone Ni-Cu-Co Project

- ~850km2
- ~30km of the prospective Ruins Dolerite
- Buxton / IGO JV Merlin / Double Magic discovery 1km from tenement boundary
  - High tenor ave. 8%Ni
- Magmatic nickel deposits form by ascending magma acquiring sulphur from country rocks and those sulphides sequester Ni, Cu and PGE from melt.
- Sulphides precipitate in low-velocity 'traps'

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

Hawkstone Ni-Cu-Co Project – Voisey's Bay Analogy



Hawkstone Ni-Cu-Co Project

- ~600km2
- ~30km of the prospective Ruins Dolerite
- Buxton / IGO JV Merlin discovery 1km from tenement boundary
  - High tenor ave. 8%Ni
- If the Merlin discovery equates to the Discovery Hill Zone at Voisey's Bay…
- Then does the apparent mafic magma chamber at depth in Hawkstone represent an Eastern Deeps target?

See ASX announcement 5 October 2023 and available from www.stavely.com.au

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Stavely Project

Stavely Project

- **First-mover position** – largest and most strategic tenement holding in the Stavely Volcanic Belt, western Victoria
- **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
- **Multiple regional discovery opportunities** – recently discovered S41 breccia-hosted Au-Ag system, Junction 1 prospect, Toora Road, S2 and S3 porphyry targets[2]

[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

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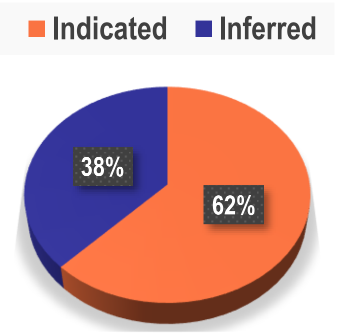
Cayley Lode Mineral Resources

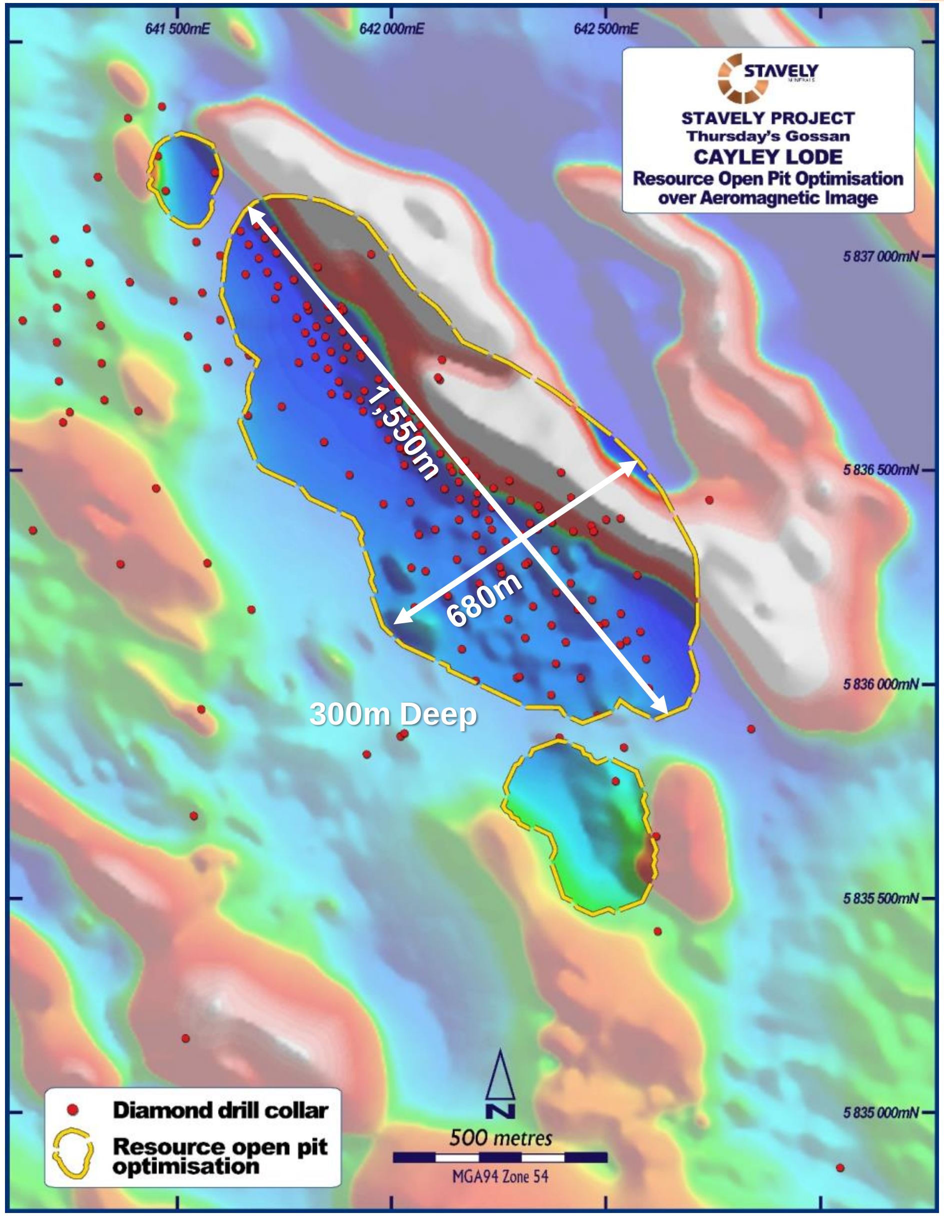
Cayley Lode Mineral Resource Estimate

- Magma / Butte copper lode-style system – outstanding exploration target never before seen in Australia
- **9.3Mt at 1.23% Cu, 0.23g/t Au and 7.1g/t Ag[1]**



- Open Pit Mineral Resources within open pit shell optimised at US$6/lb
  - *1,550m long, 680m wide and 300m deep*
- Mineralisation remains open down-plunge and down-dip

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



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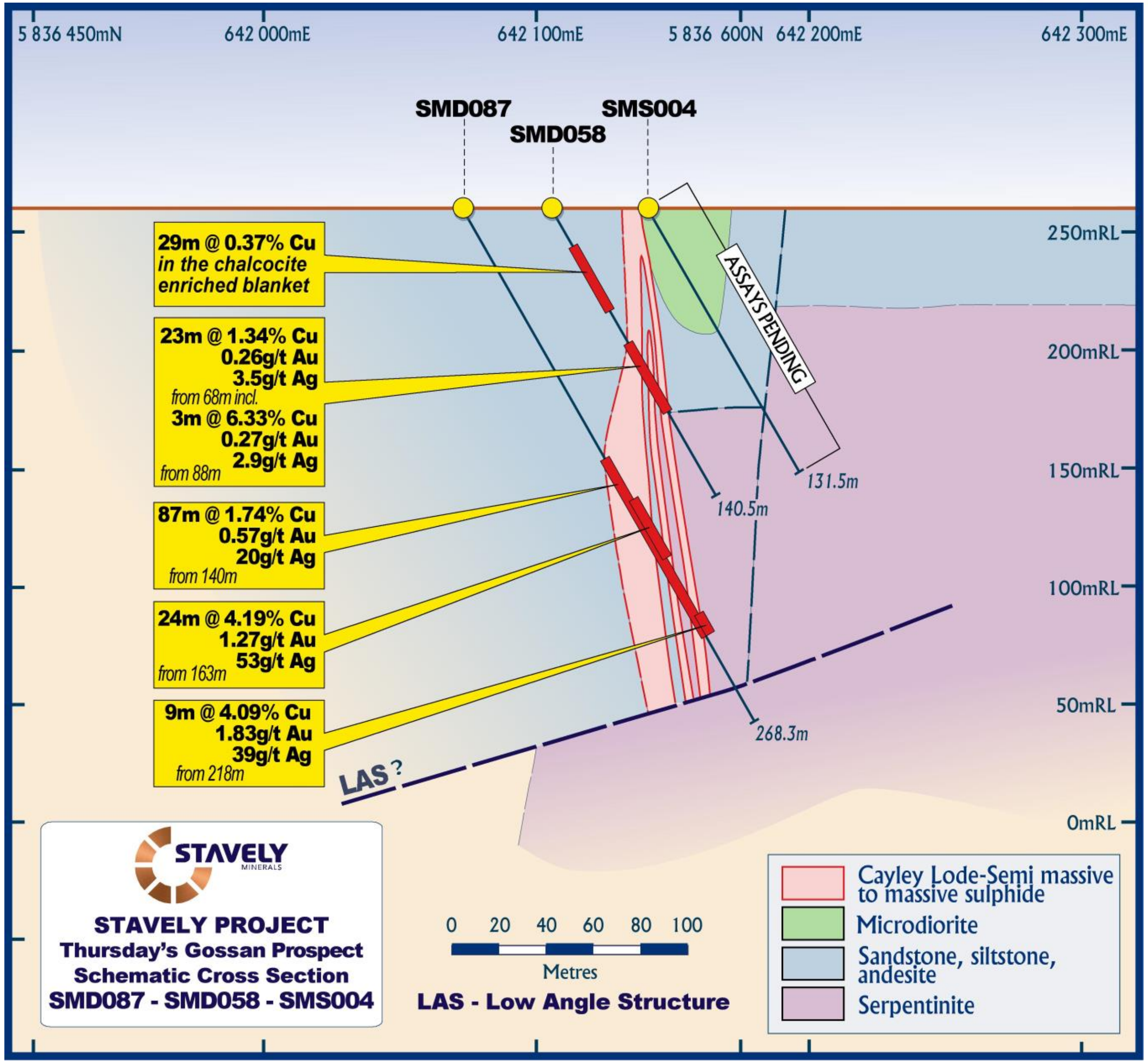
Underground Potential

Cayley Lode Discovery – Amenable to Open Pit and UG

SMD087

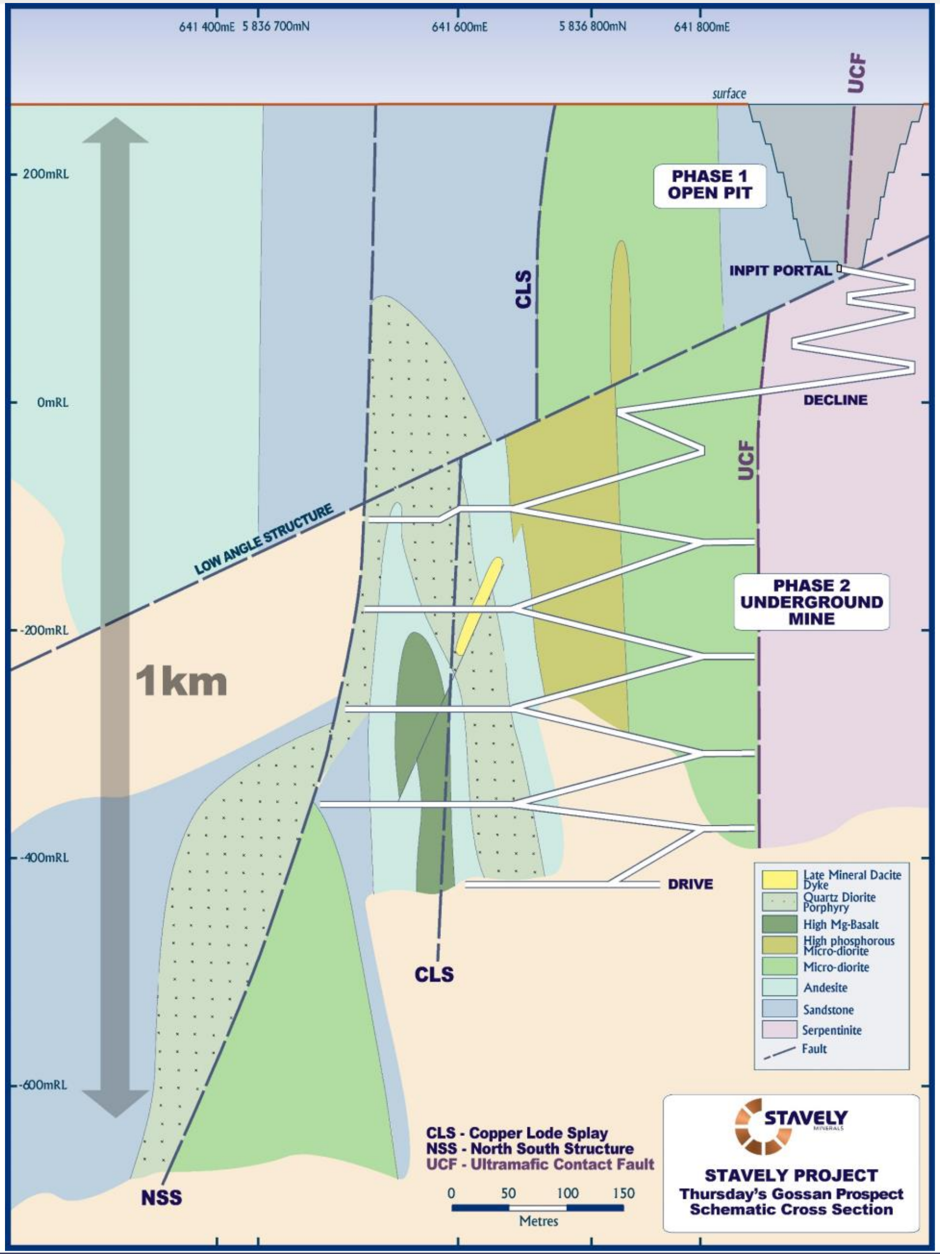
- **87m @ 1.74% Cu, 0.57g/t Au and 20g/t Ag**, *incl.*
  - ***24m @ 4.19% Cu, 1.27g/t Au and 53g/t Ag,*** *and*
  - ***9m @ 4.09% Cu, 1.83g/t Au and 39g/t Ag***

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

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



Option 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.

Followed by 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

Option 2 (most likely)

Go straight to underground

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

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

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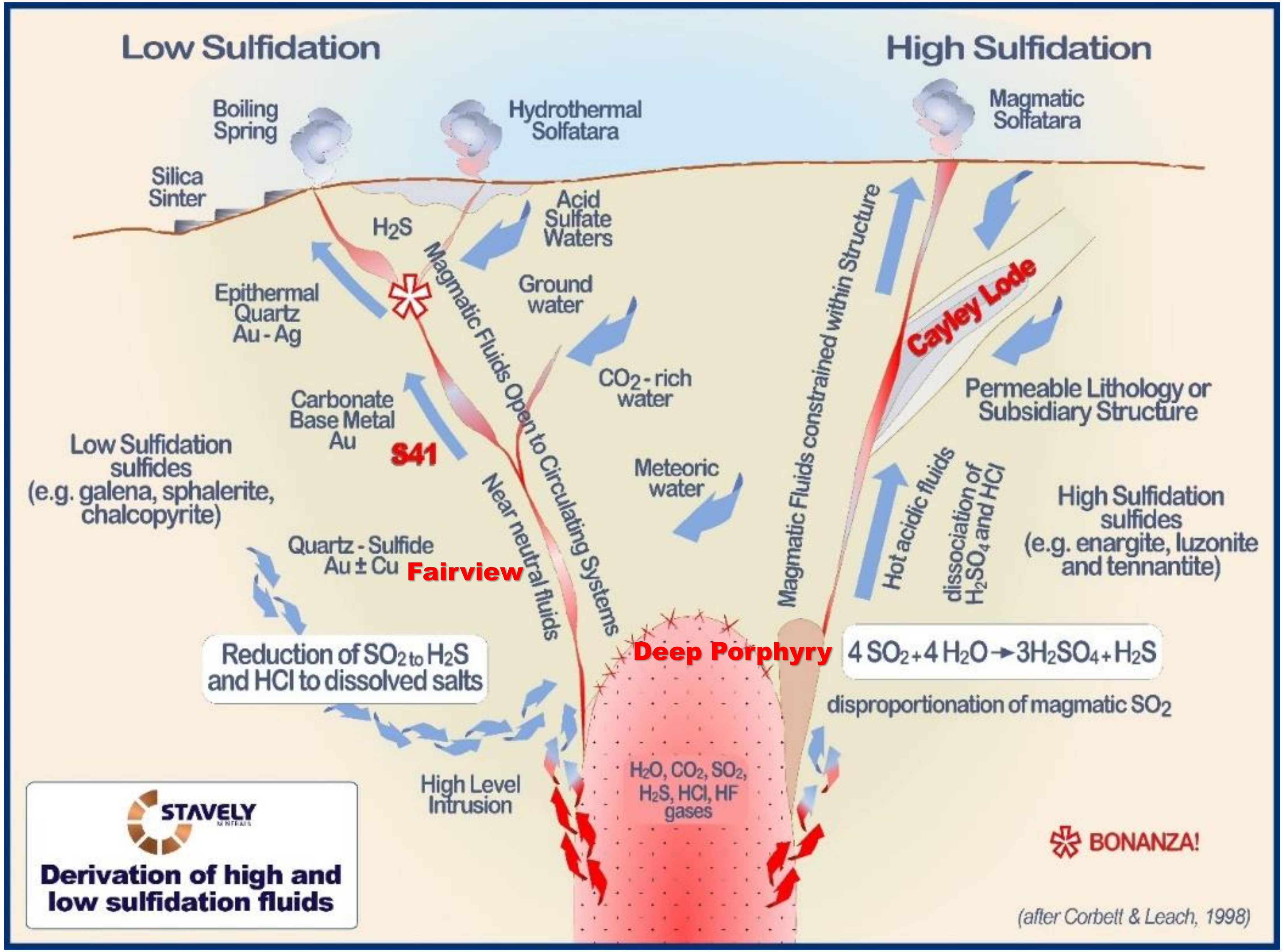
Stavely Regional Exploration

Regional Exploration – Massive Opportunity for Discovery

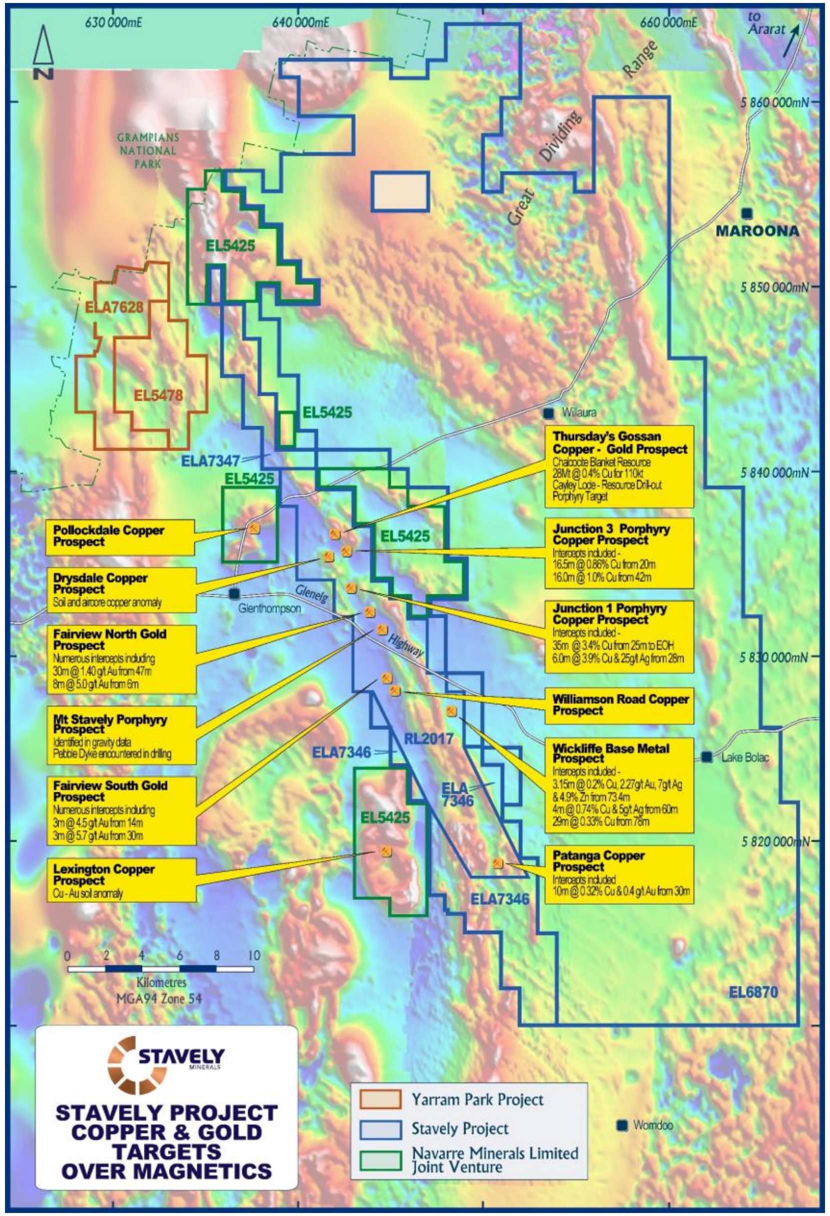
- Full range of discovery opportunities associated with the ancient Stavely Volcanic Arc

5-7km

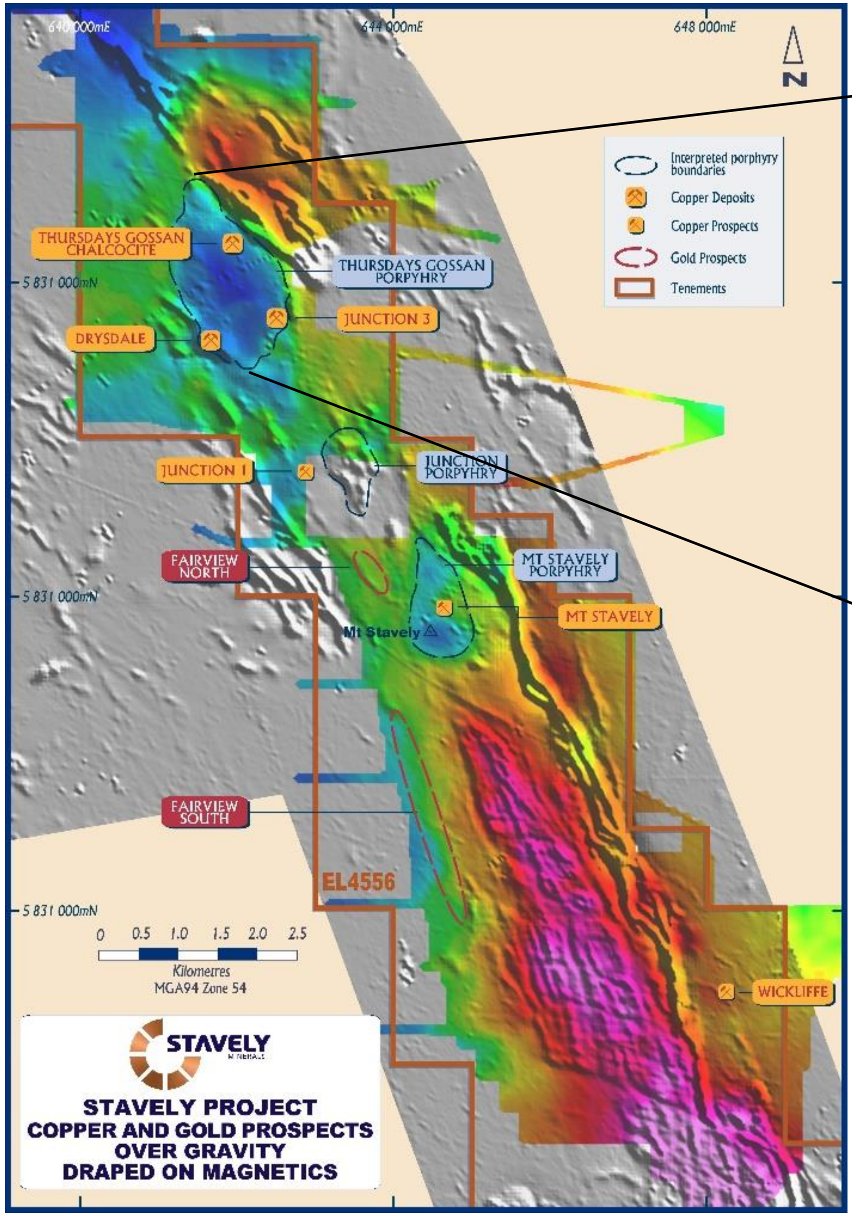


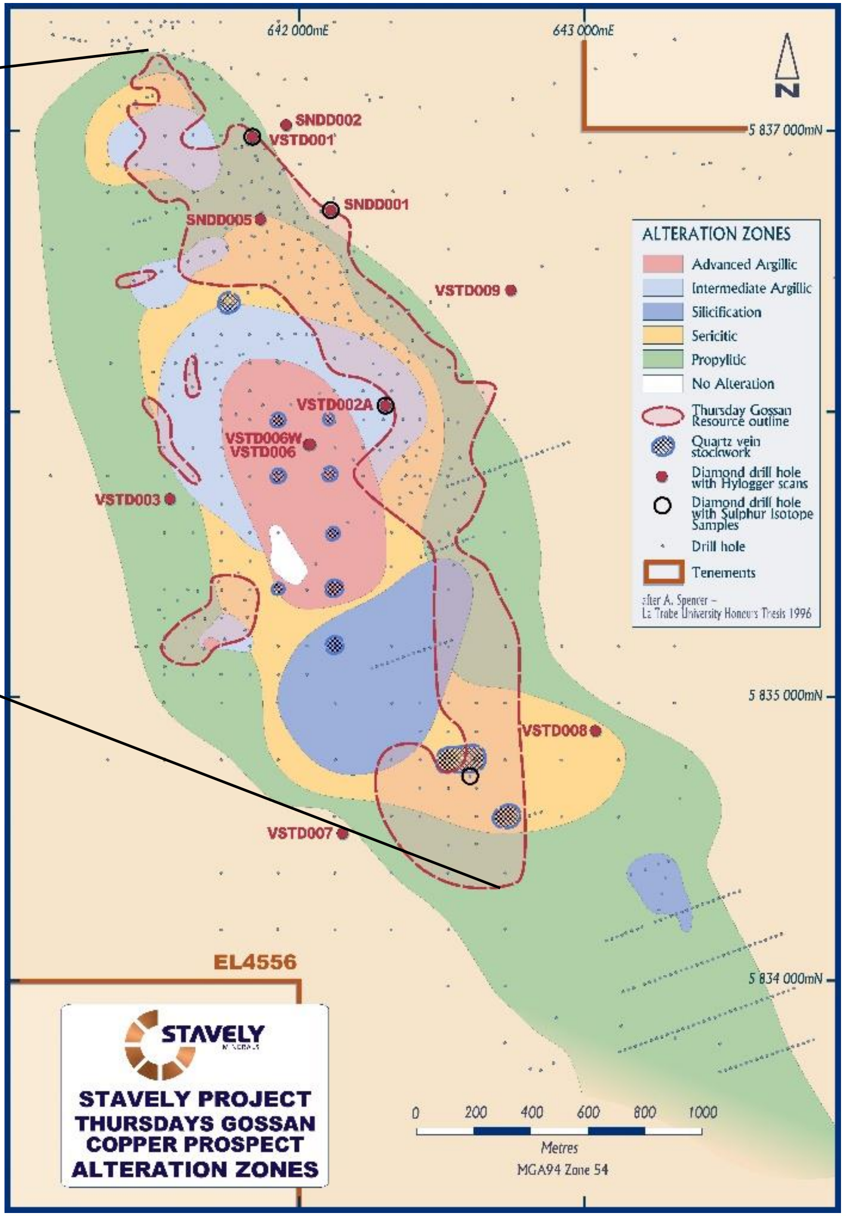
Regional Exploration – Massive Opportunity for Discovery

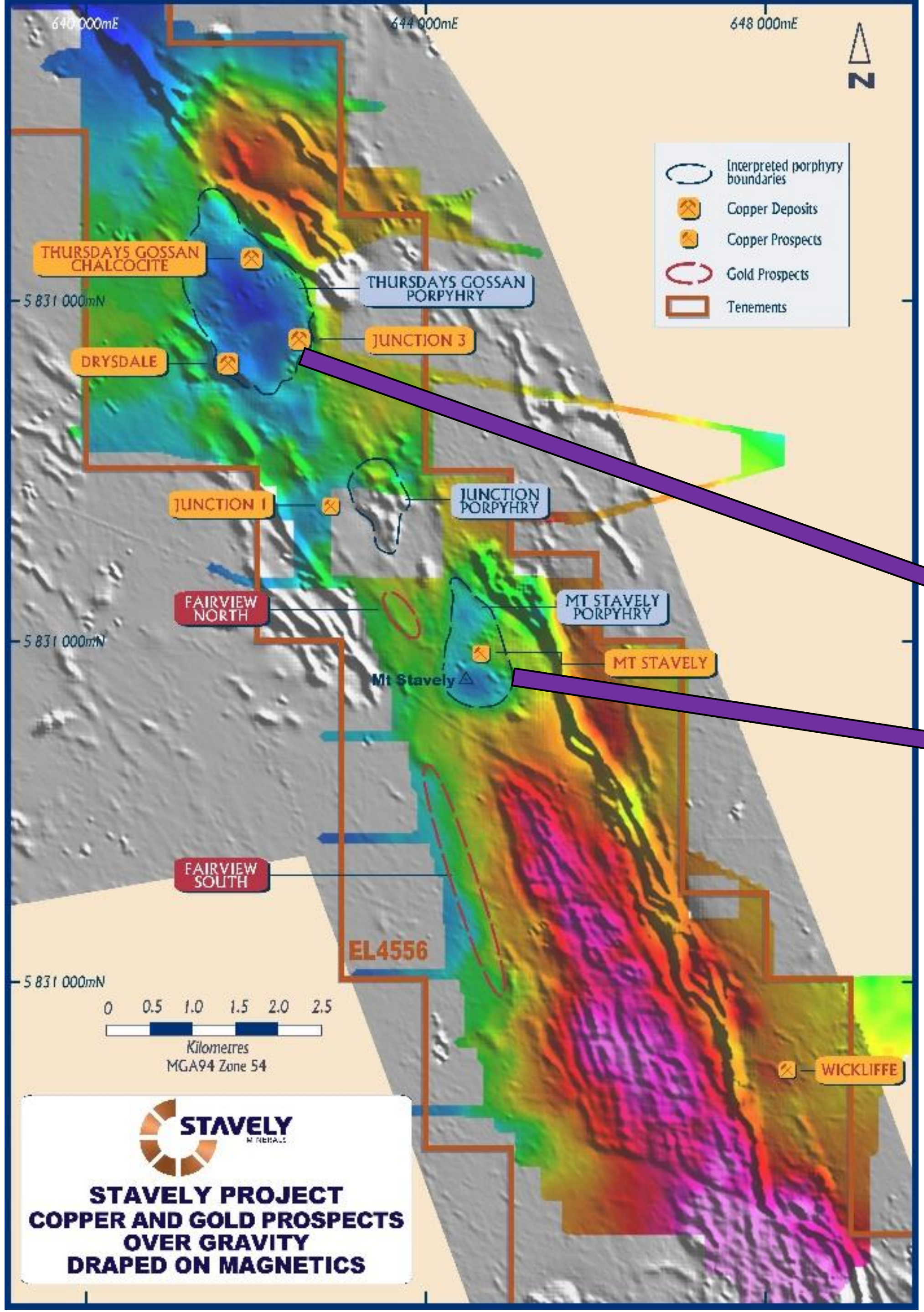
- Despite previous exploration by industry 'top dogs' Newcrest, Rio Tinto, CRA Exploration and North Limited, Stavely Minerals has a 'first mover' advantage
- +1,000km^2 of tenure covering ~115km of porphyry-prospective volcanic arc segments
- Known prospects occur largely within a ~20km window of sub-crop – this is what the majors focused on
- The other ~95km strike of prospective arc rocks are covered by younger cover or younger basalt – this is Stavely's first mover advantage

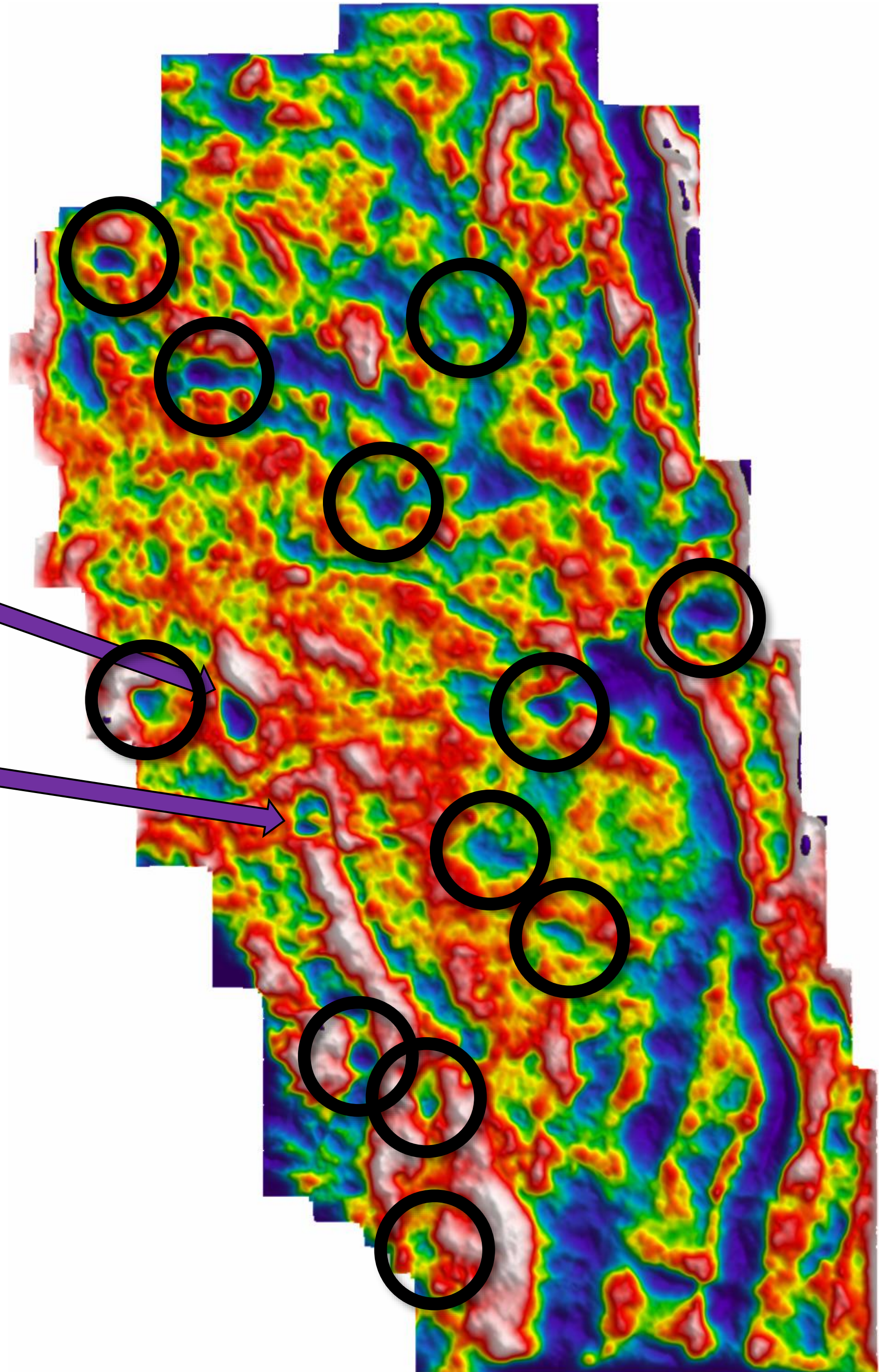


Ground Gravity – Thursday's Gossan Alteration / Gravity Low





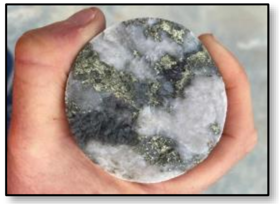




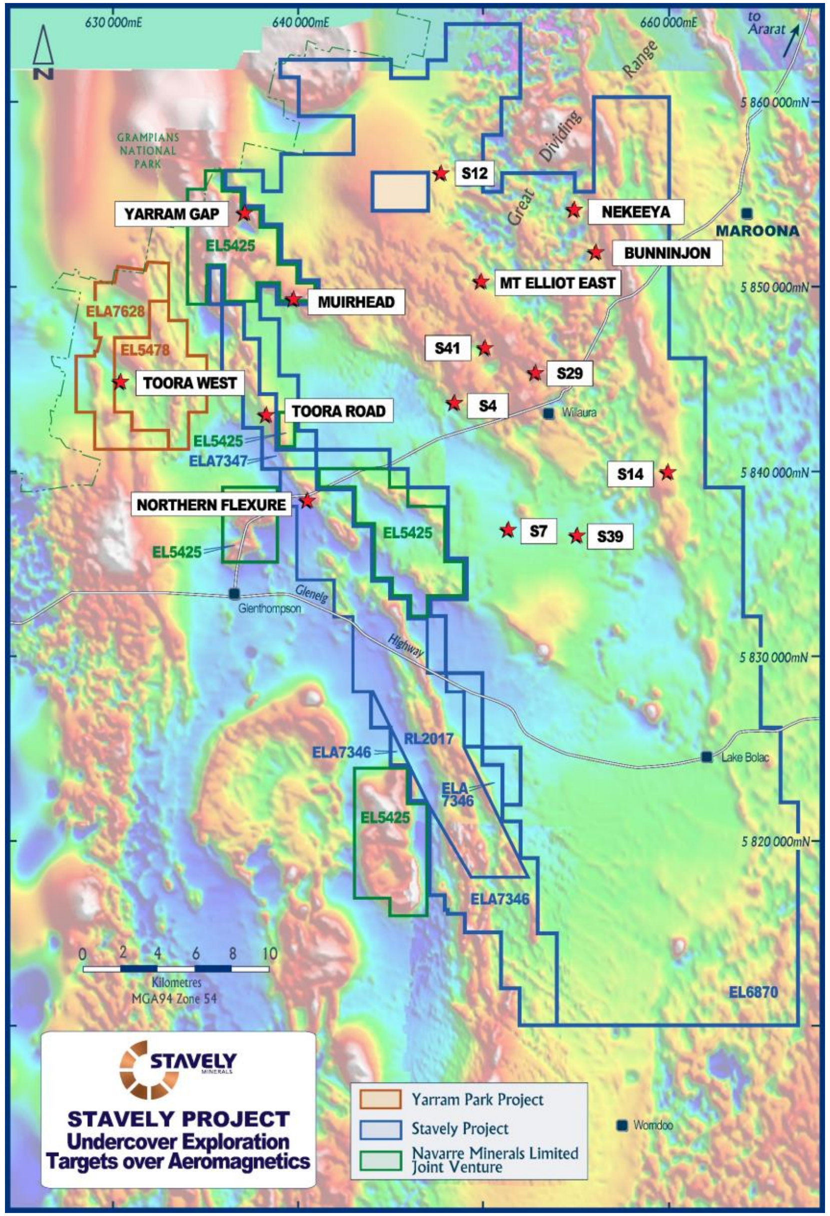
Falcon™ gravity gradiometer image

Regional Exploration – Massive Opportunity for Discovery

- The team has identified 19 regional targets and have active aircore and soil auger programmes
- All of the regional targets are under younger (~10Ma) basalt cover or tertiary transported cover
- Already made a 'blind' porphyry discovery under 30m of transported cover at Toora West
- Targeting method works – proprietary Falcon© gravity gradiometer data opens new exploration 'search space'
- New emerging discovery at the S41 prospect



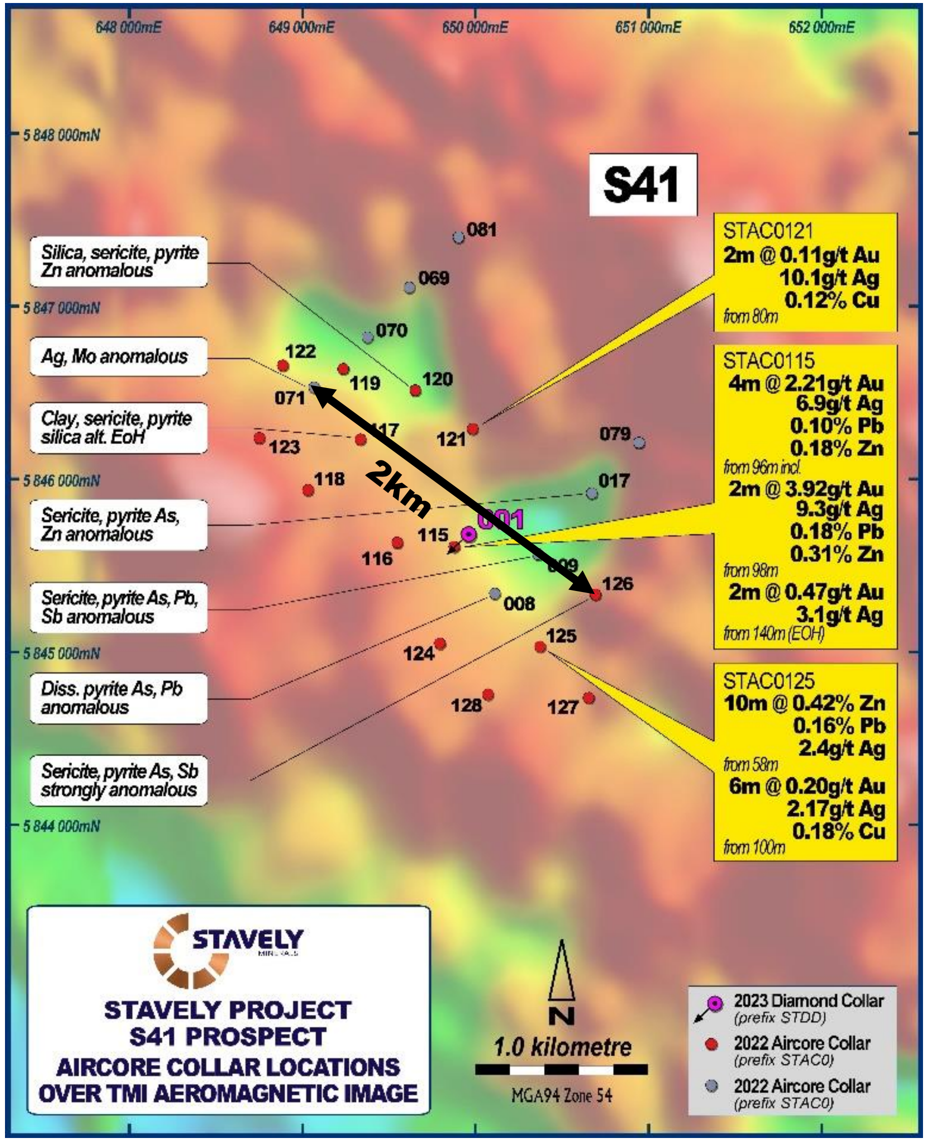
Massive quartz vein with chalcopyrite and molybdenite at Toora West prospect - STWD005 at 287m – **0.6m @ 8.72g/t Au, 1.85% Cu, 5.2g/t Ag & 151ppm Mo**



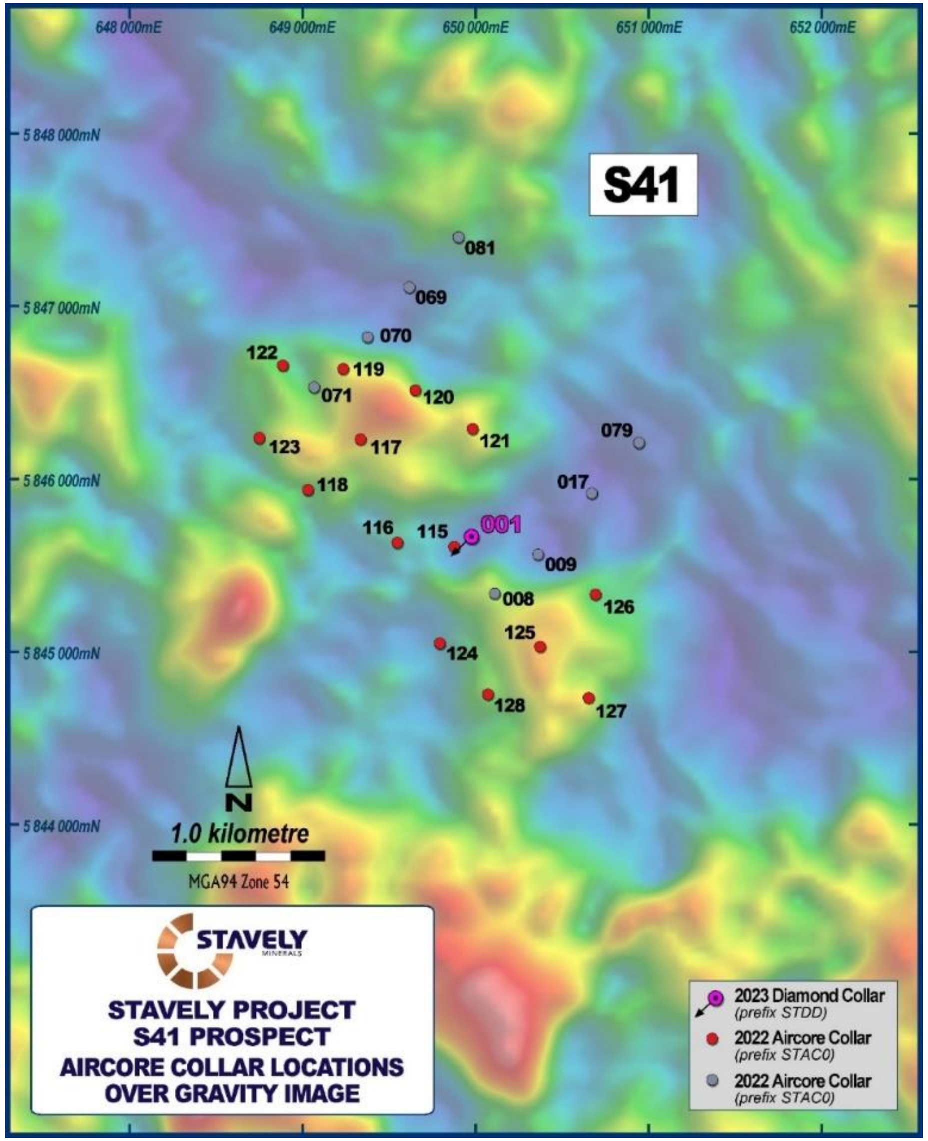
See ASX announcement 14/10/2021 and available from www.stavely.com.au

Emerging Discovery? – The S41 Prospect

Magnetics



Gravity

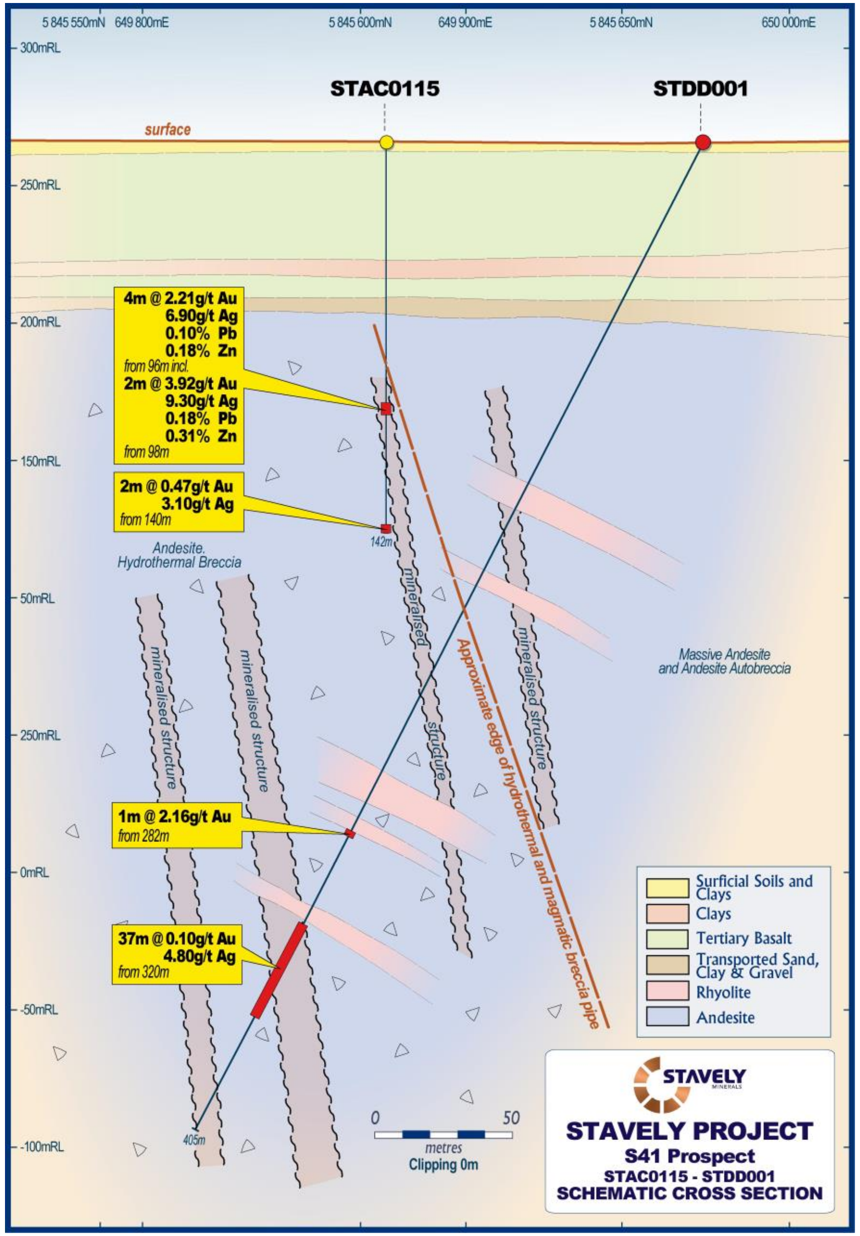


S41 Prospect Aircore

- **4m at 2.21g/t gold** from 96m drill depth, including:
  - ***2m at 3.92g/t gold*** *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 Prospect

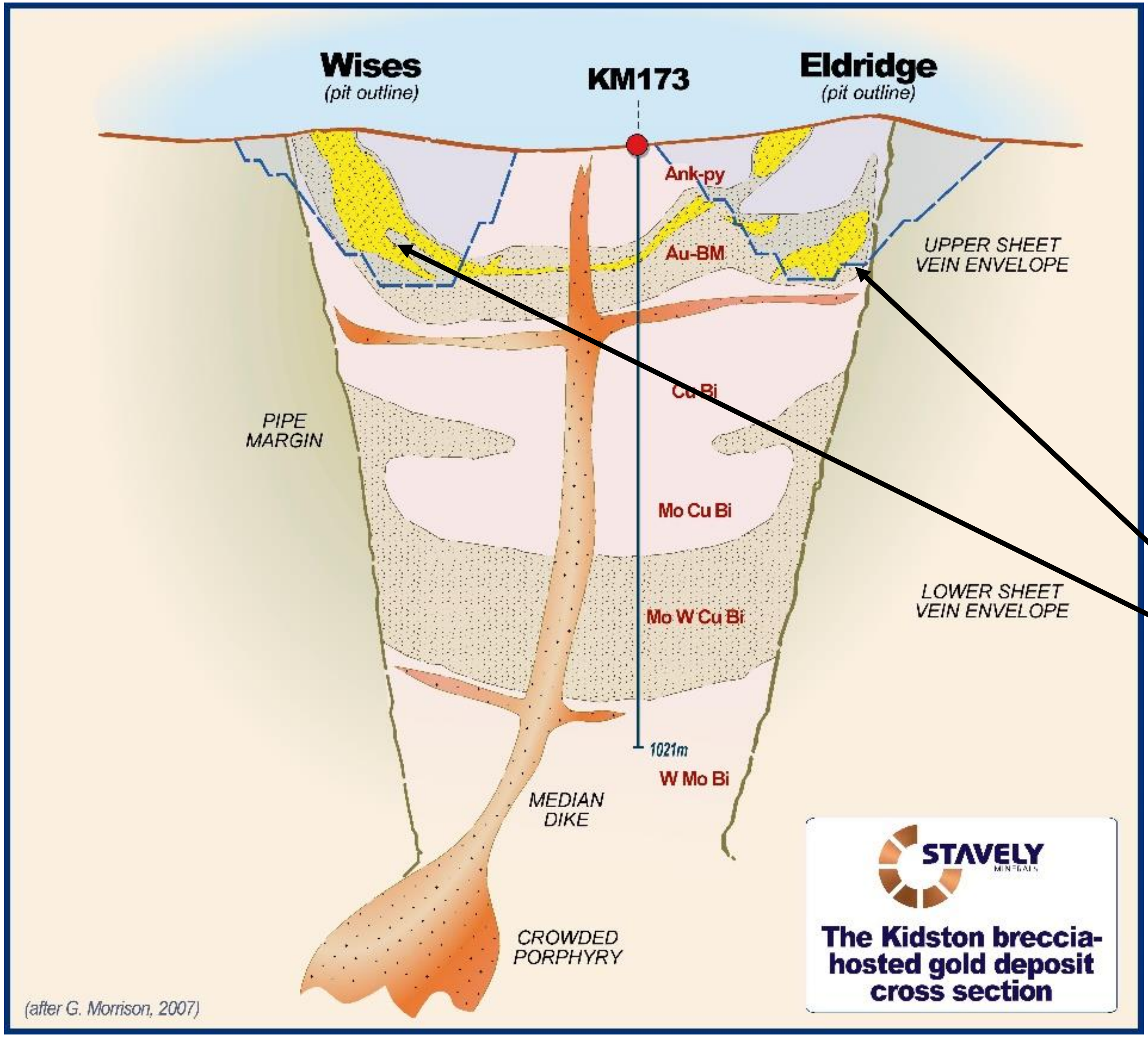


S41 Diamond Drill Hole

- **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*
- Gold and silver in the system
- Breccia-hosted systems host notoriously inconsistent gold mineralization eg. Kidston
- Big systems

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

Emerging Discovery? – The S41 Prospect



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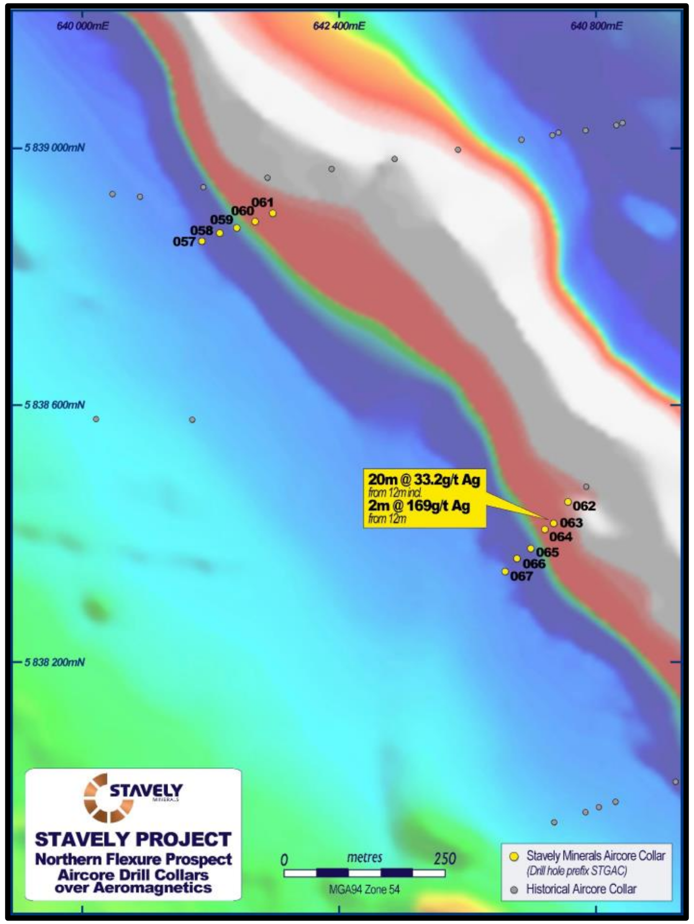
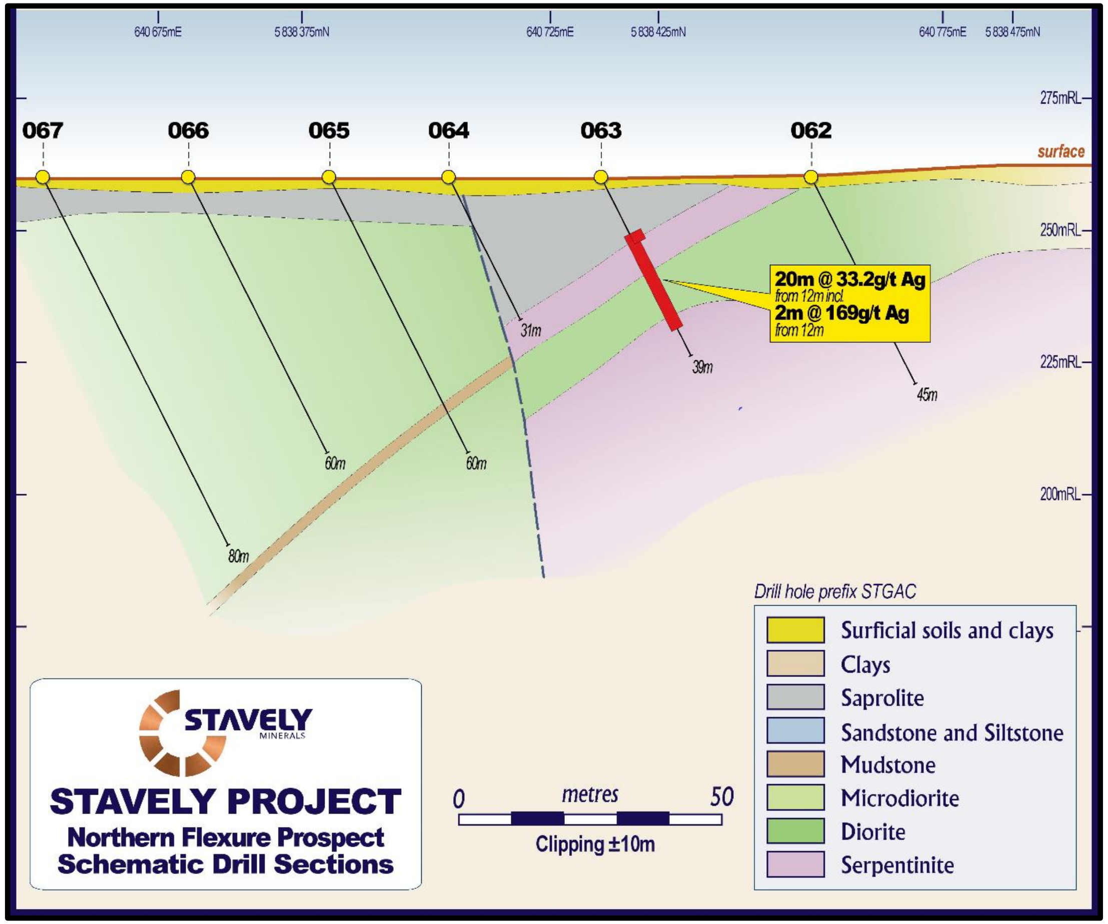
Emerging Discovery? – The Northern Flexure Prospect





Northern Flexure Prospect

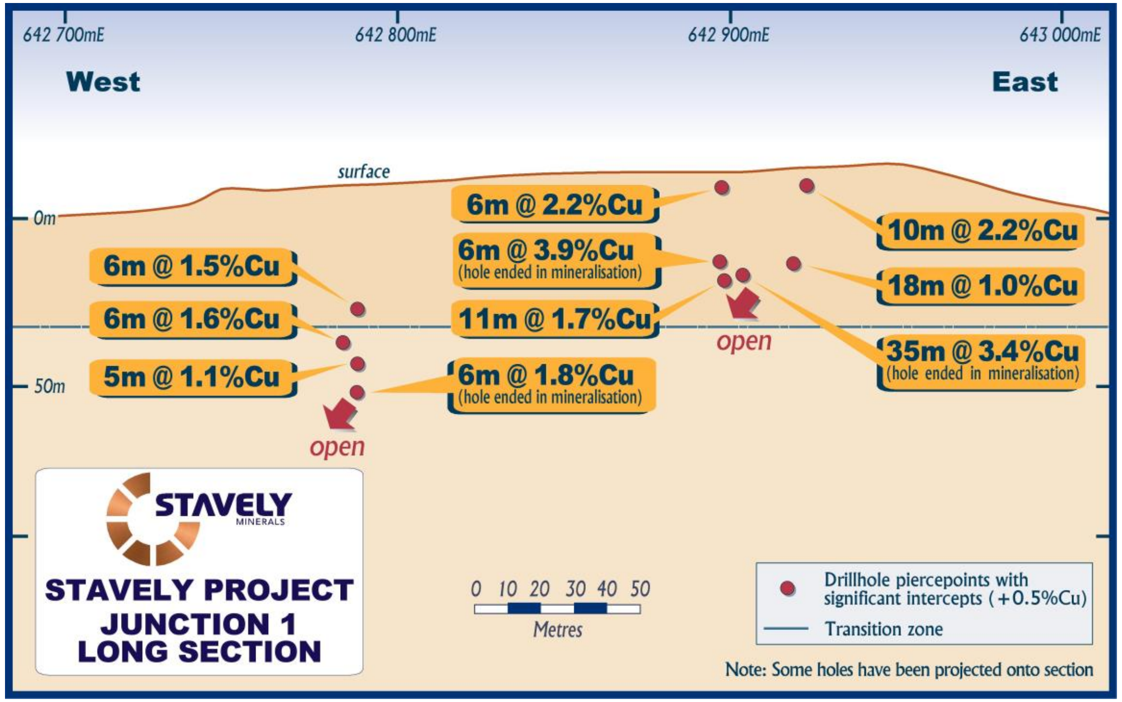
- First drill programme
- **20m at 33.2g/t silver** from 12m drill depth, including:
  - ***2m at 169g/t silver*** *from 98m*
- Similar ultramafic contact setting to the Cayley Lode

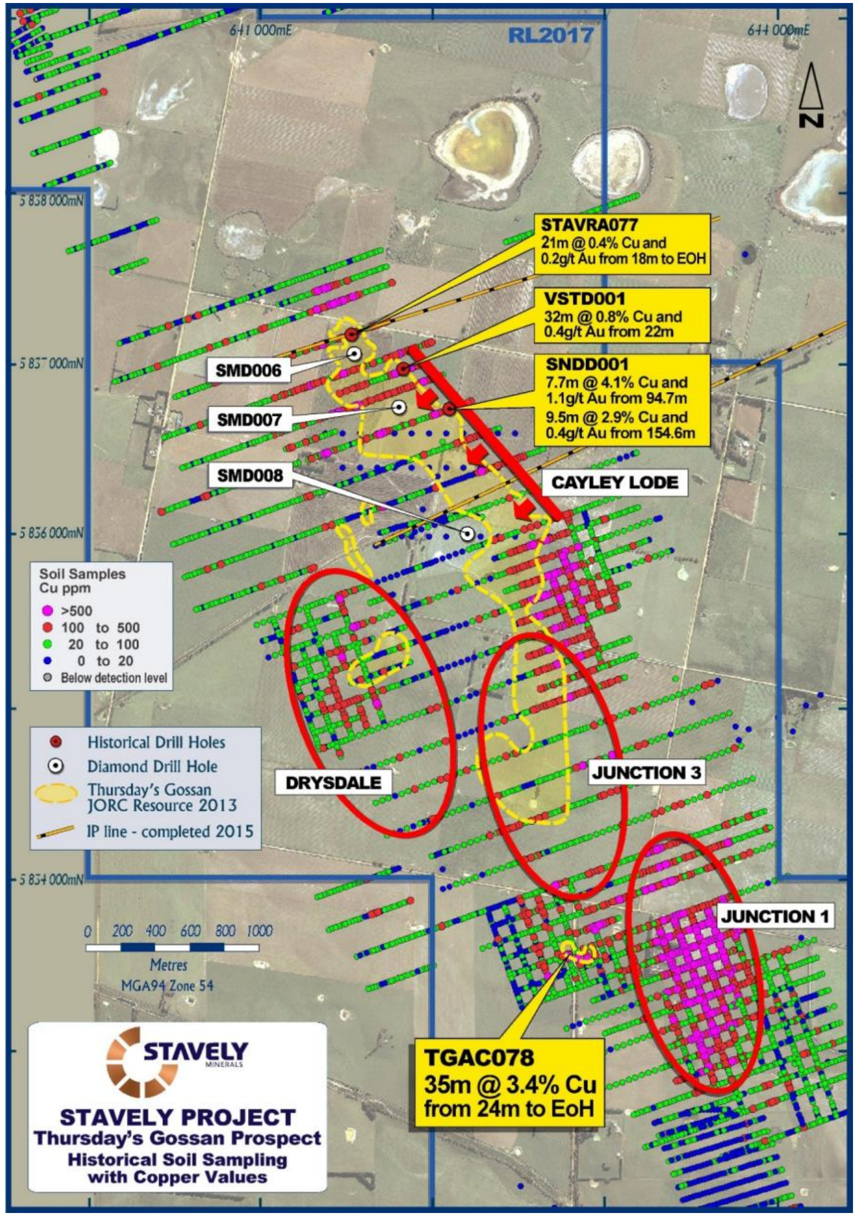
See ASX announcement 19/04/2023 and available from www.stavely.com.au

Junction 1 – Massive Opportunity for Additional Discovery

Junction 1 Prospect

- 2km south of the Cayley Lode
- Largest and highest grade soil anomaly in the project
- Restricted access over the past 15 years
- Aircore drill results including <u>**35m at 3.4% Cu**</u> **from 24m**





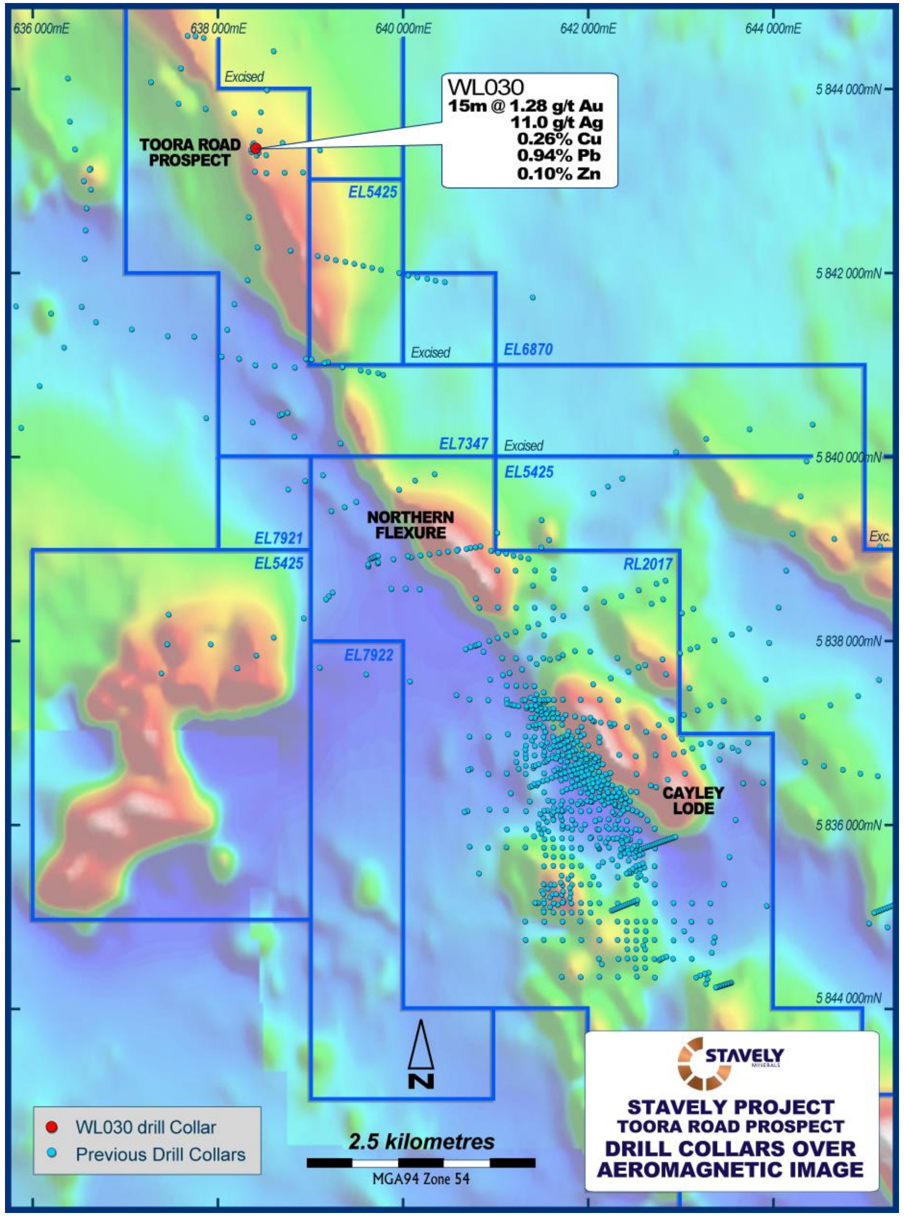
See Stavely Minerals Prospectus and available from www.stavely.com.au

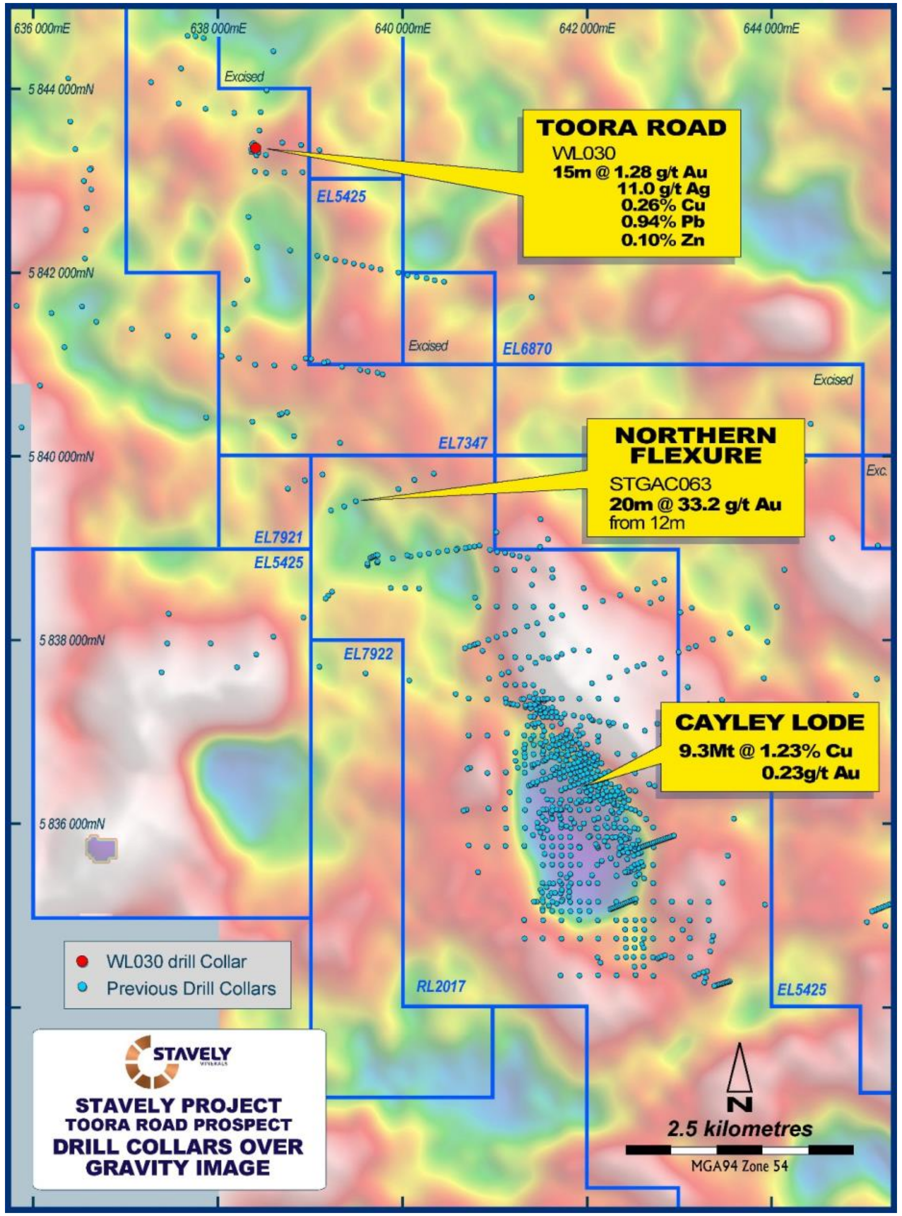
Toora Road

Toora Road Prospect

- Same magnetic trend as the Cayley Lode and the Northern Flexure prospect (left image)
- Historic aircore drill intercept (CRA): **15m @ 1.28g/t Au**, 11g/t Ag, 0.26% Cu, 0.94% Pb and 0.10% Zn immediately north of a prominent gravity low (right image)

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





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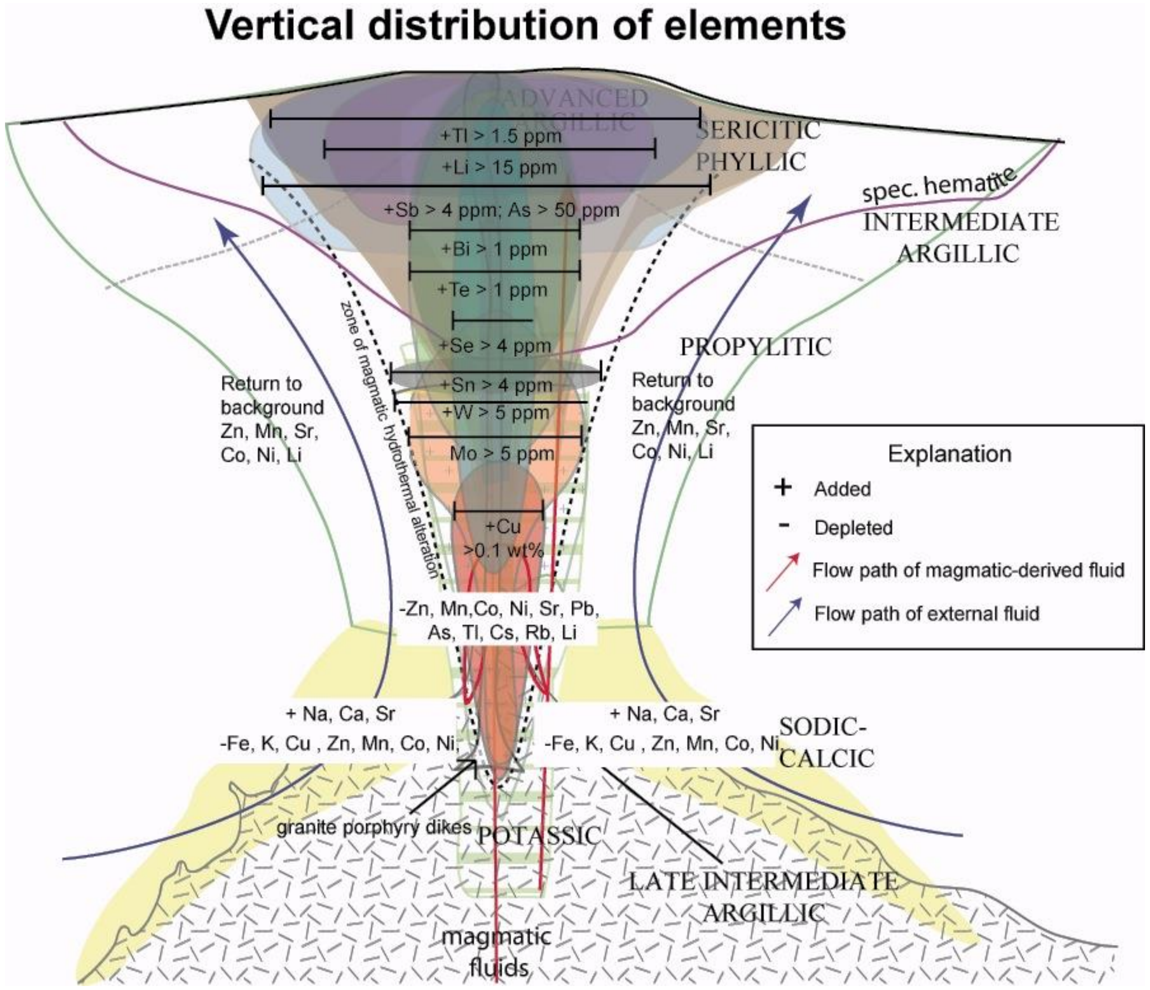
New Regional Porphyry Targets

Regional Exploration – Massive Opportunity for Discovery

- Soil geochemistry analysis by Dr Dan Cole, Fathom Geophysics
- Utilises vertical metals zonation model above porphyry systems



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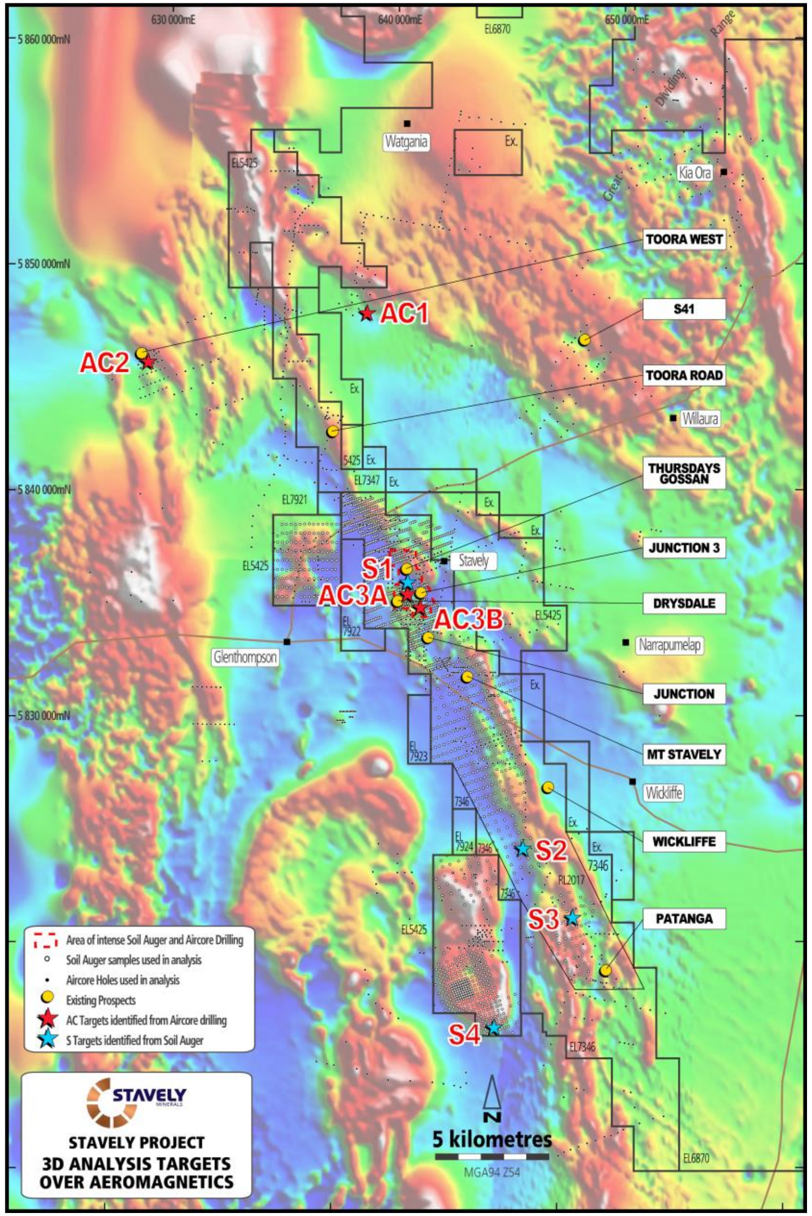
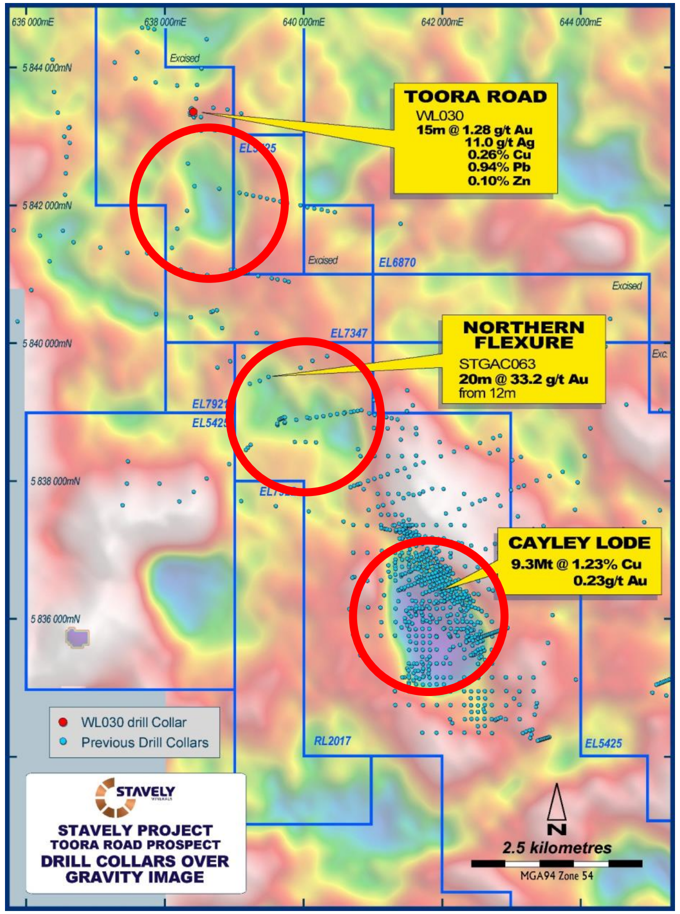
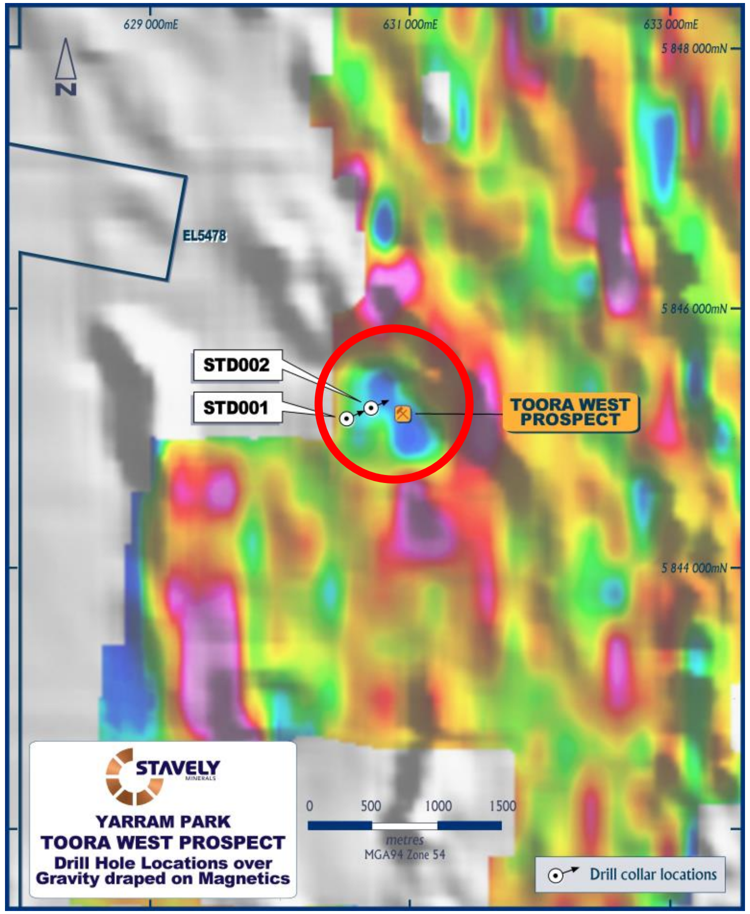
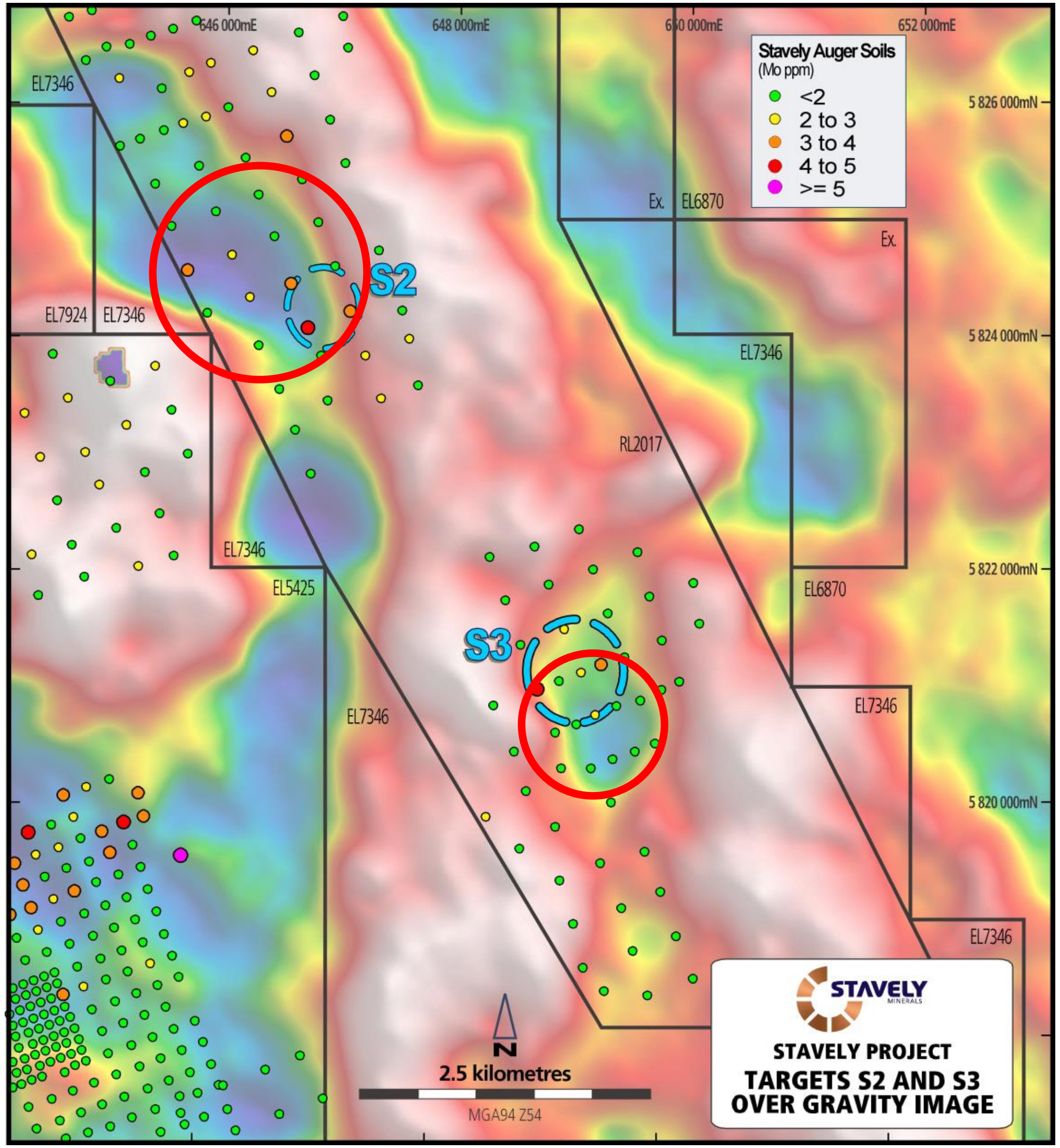


Regional Exploration – Massive Opportunity for Discovery

- S2 and especially S3 porphyry targets are associated with gravity lows, consistent with hydrothermal alteration related gravity lows at Thursday's Gossan porphyry, The Northern Flexure, Toora Road prospects and the Toora West porphyry.





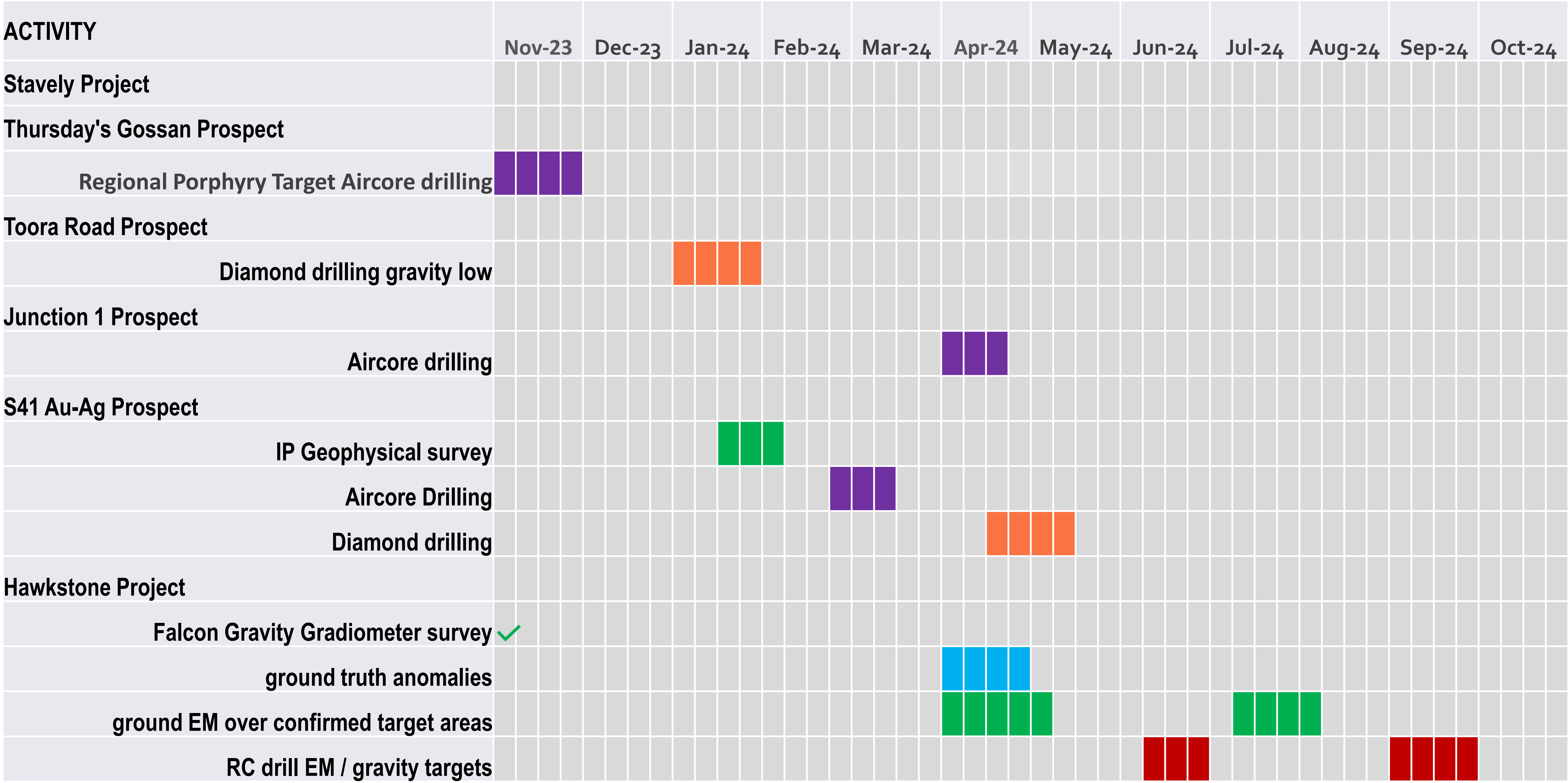


STAVELY MINERALS

ASX Code: SVY

Work Programme

12-month Work Programme



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

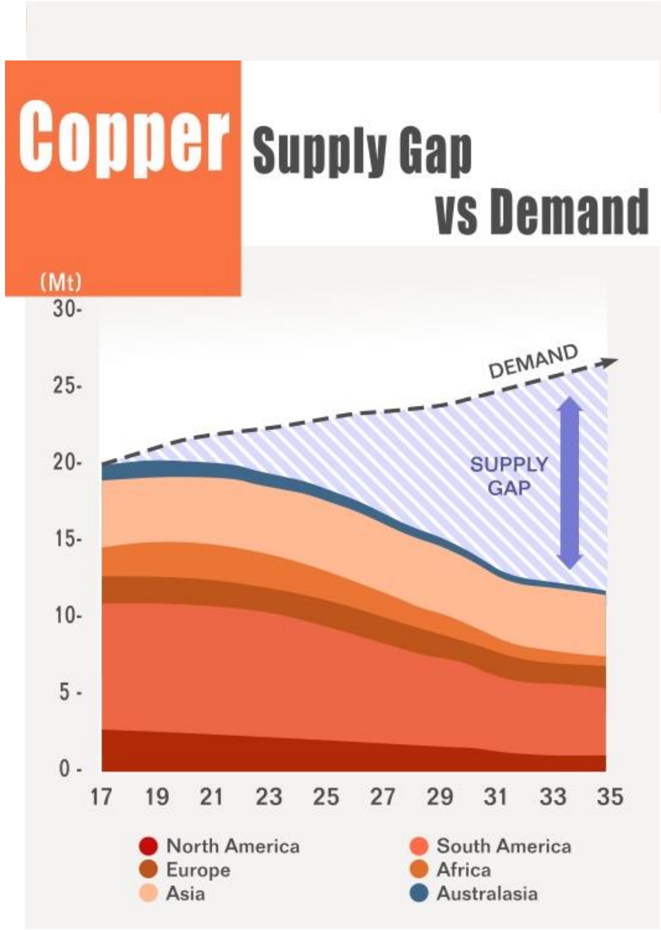
In order to migrate to a **low-carbon economy** and provide **alternative energy solutions**, certain strategic minerals are required to build the wind farms, solar farms, electric vehicles and high-technology needed to facilitate this transition.

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

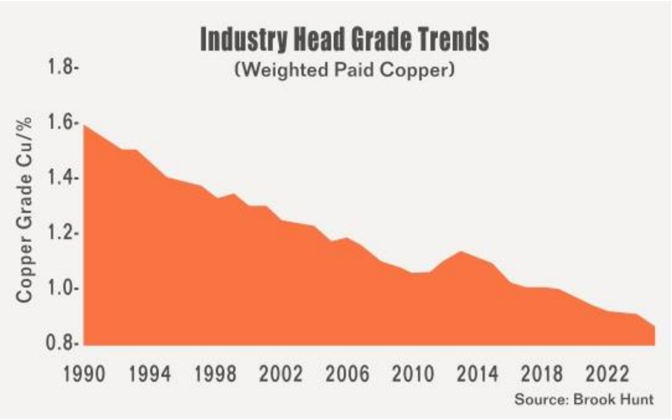
Copper and Nickel…Compelling Market Fundamentals



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



Corporate Summary

CAPITAL STRUCTURE

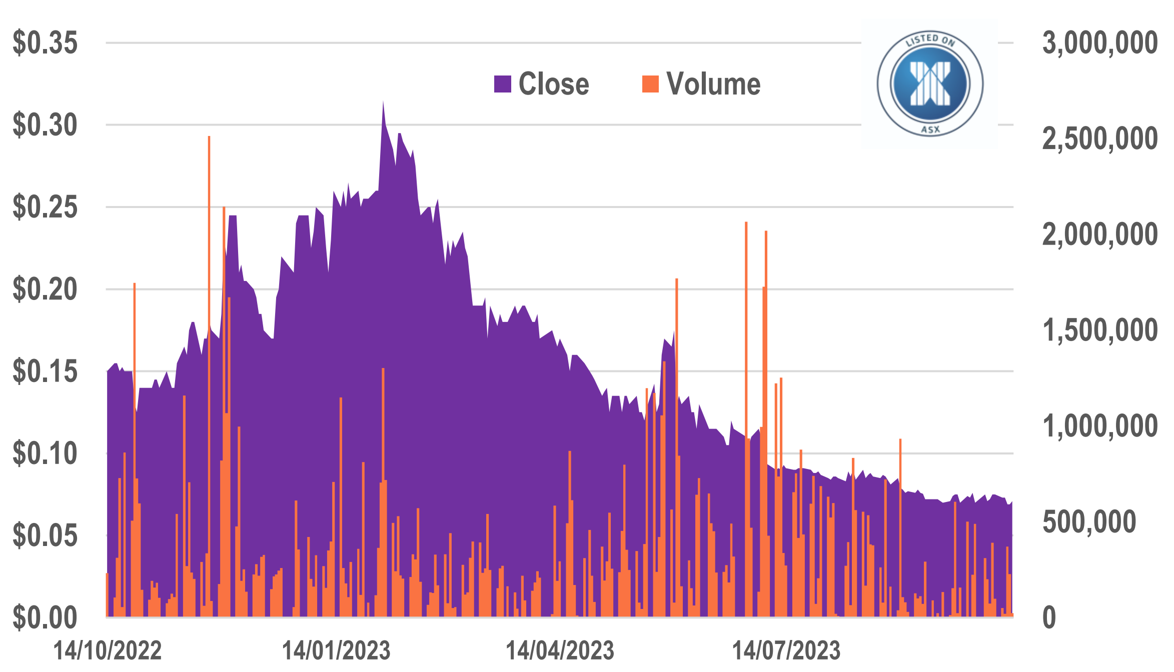
ASX Ticker	SVY
Share Price (12/10/23)	$0.069
Shares on Issue[1]	377M
Cash (30/06/23)[2]	$1.7M
Market Capitalisation	$26M
Management and Staff	~10% equity

[2]Not including $3.55m raising – see ASX announcement 28/06/2023

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 12 October 2023



[1]Fully diluted including issue of 4.5m performance rights for the acquisition of the Hawkstone Ni-Cu-Co Project – See ASX announcement 23/05/2023

Summary – Key Investment Takeaways

- ✓ First-mover position (+1,000km^2) 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
- ✓ Initial Mineral Resource estimate completed, obvious high-grade extensional opportunities **PLUS the deep porphyry discovery opportunity**
- ✓ Outstanding potential for a new porphyry province with regional targets and emerging discoveries – Junction 1, S41 Breccia and Toora Road, porphyry targets S2 and S3
- ✓ Hawkstone Ni-Cu-Co Project provides an outstanding opportunity for discovery in an emerging Ni province with a winter exploration season
- ✓ BIG targets

STAVELY MINERALS

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

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.

Mineral Resources Classifications

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

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