



*Exploring and Developing Mineral Prospectivity in Eastern Australia*

Investor Presentation

September 2023

Mr. James Chirnside – Chairman & Managing Director

ASX:DTM

# FORWARD LOOKING STATEMENTS CAUTION

*Certain statements contained in this document constitute forward looking statements. Such forward-looking statements are based on a number of estimates and assumptions made by the Company and its consultants in light of experience, current conditions and expectations of future developments which the Company believes are appropriate in the current circumstances. These estimates and assumptions while considered reasonable by the Company are subject to known and unknown risks, uncertainties and other factors which may cause the actual results, achievements and performance of the Company to be materially different from the future results and achievements expressed or implied by such forward-looking statements.*

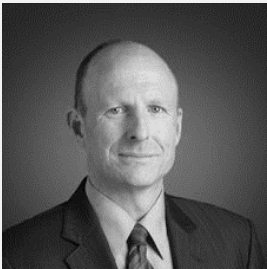
*Investors are cautioned that forward looking information is no guarantee of future performance and accordingly, investors are cautioned not to place undue reliance on these forward-looking statements.*

# CORPORATE PROFILE

## Board & Management



- **Mr. James Chirnside**
  - Chairman, Managing Director



- **Mr. Dean Turnbull**
  - Non-Executive Director,
  - Founder, Geologist



- **Mr. Richard Udovenya**
  - Non-Executive Director, Lawyer

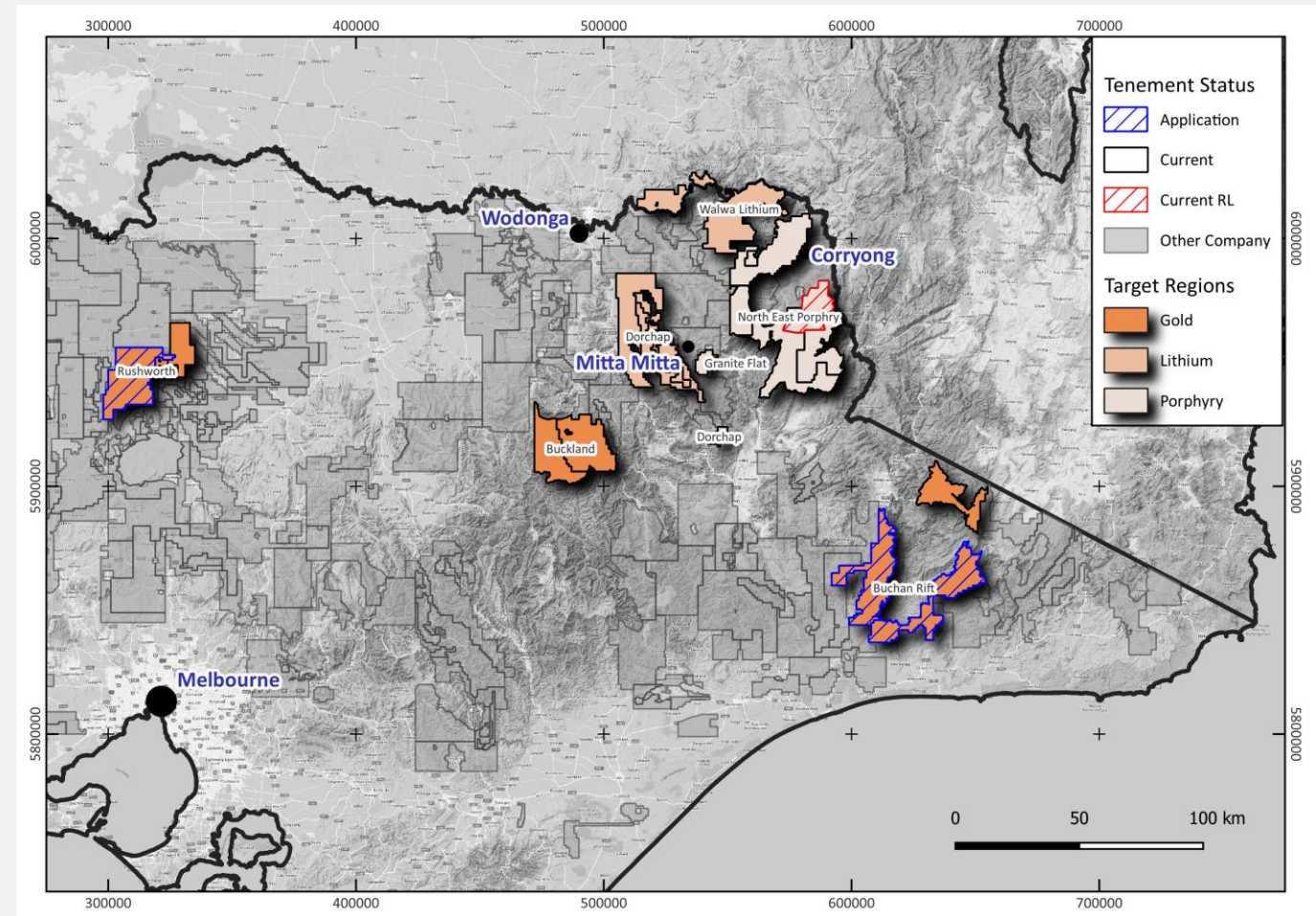
| ASX Code                       | DTM    |
|--------------------------------|--------|
| Shares on issue                | ~172m  |
| Options & Performance          | ~28m   |
| Market Capitalisation @ \$0.06 | ~A\$5m |

## Management

- Ms. Julie Edwards  
Co. Secretary, Accounting
- Mr. Owen Greenberger  
Manager Exploration, Geologist
- Mr. Tommy Ashley  
Manager Operations
- Mr. Brad Milne  
Manager Drilling
- Ms. Aimee Coates  
Manager Business

# EXPLORATION FOOTPRINT – Dart's advantage

- Significant Landholding in Eastern Australia with ~6,500 km<sup>2</sup> tenement area
- Footprint includes:
  - 80+ Geological targets across 6 regions
  - 9 Historic Goldfields
  - >1,000 LCT Pegmatite dykes
  - 8 Au-Cu, Mo-Cu Porphyry targets
- Geographic focus on NE Victoria, Eastern Victoria and NSW (Lachlan Fold Belt)
- Diverse geological setting
  - *Orogenic Au*
  - *Porphyry (Bulk tonnage) Cu-Au, Mo-Cu-Ag*
  - *Li-Cs-Ta Pegmatites*
- Commodity exposures to Precious, Base and Critical minerals
- Established team with extensive experience in Lachlan Fold Belt Geology

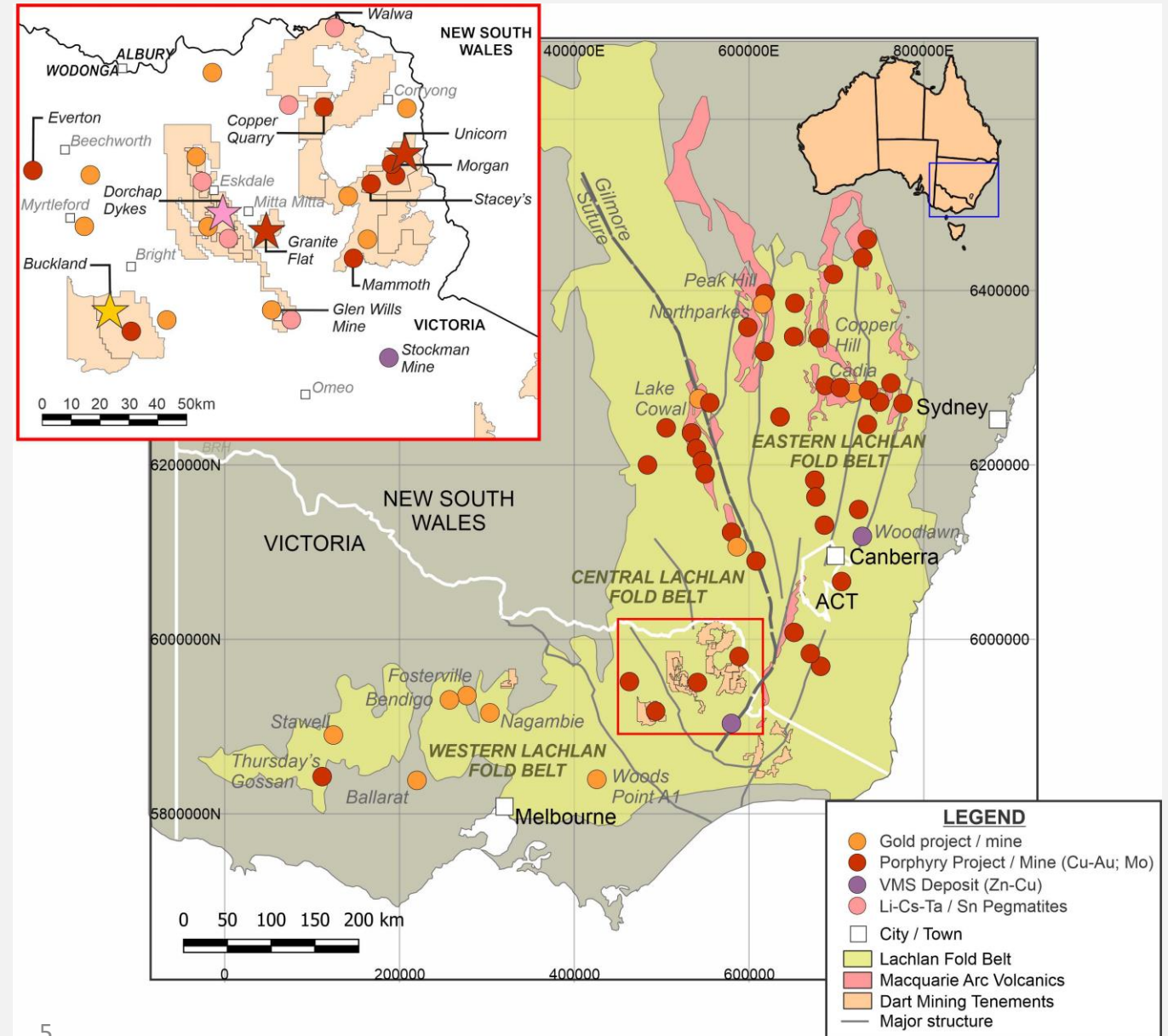


\*Northern NSW Tenements Not Shown



# REGIONAL GEOLOGICAL SETTING – the right rocks

- **Geology is the fundamental precursor for any mineral exploration**
- The geological setting of Northeast Victoria and Southern NSW is diverse, dynamic, and **under-explored**
- The Lachlan Fold Belt and associated Macquarie Arc rocks host a significant proportion of mineralisation in Eastern Australia
- Dart Mining has a strong foothold in the central Lachlan Fold Belt, with several mineral systems identified
- The region is prospective for Porphyry, Orogenic Gold, Li-Cs-Ta / Tn Pegmatites all within kilometres of each other



# WORK SCHEDULE 2023-24

## Flagship Projects

### ***Dorchap Range (Li)***

- Continuation of Surface sampling program
- 3000m SQM Funded DD program
- Technical review and additional drill targeting

### ***Granite Flat (Cu-Au)***

- Geophysics interpretation & review

### ***Mt Unicorn (Mo, Cu, Ag)***

- Metallurgical review of Historic Bulk Sample

### ***Rushworth (Au)***

- Field Mapping and Identification of drill targets
- Diamond Drilling Following successful RC program in 2022
- Diamond Drilling of additional drill targets

## Other Projects

### ***Buckland Valley (Au)***

- Field Mapping and sampling across priority targets
- Diamond Drilling north of Fairley's ridge
- Diamond Drilling of Mt View Resource

### ***Walwa (Li)***

- Field mapping and sampling

### **Northern Porphyries (Cu, Au, Mo)**

- Field Mapping and sampling of Gold targets

# STRATEGY FOR GROWTH – Project generation underway

## Business Development

- Dart continues to actively seek Farm-in Joint venture partnerships on many of its Au, Ag, Cu, W, Sn projects
- SQM's Farm-in Joint venture terms have established a benchmark against which other deals can be negotiated
- As mining majors become more focussed on building out their exploration, and future production pipelines Dart is well positioned to offer compelling prospectivity

## Business Operating Model

- Dart has invested in equipment and personnel that allows for self-reliance, efficiency, and low-cost exploration programs
- Farm-in Joint Venture arrangements like Dart's recent deal with SQM have redefined the company
- Dart has become less reliant on shareholder funding
- Dart is more accurately defined as a “project and value generator” and “exploration contractor”

**This reshaping of the business allows the company to sink more dollars into drilling and other exploration activities**



# BOONS PEGMATITE DYKE - DORCHAP Li PROJECT





# DORCHAP LITHIUM PROJECT - Summary

## Location

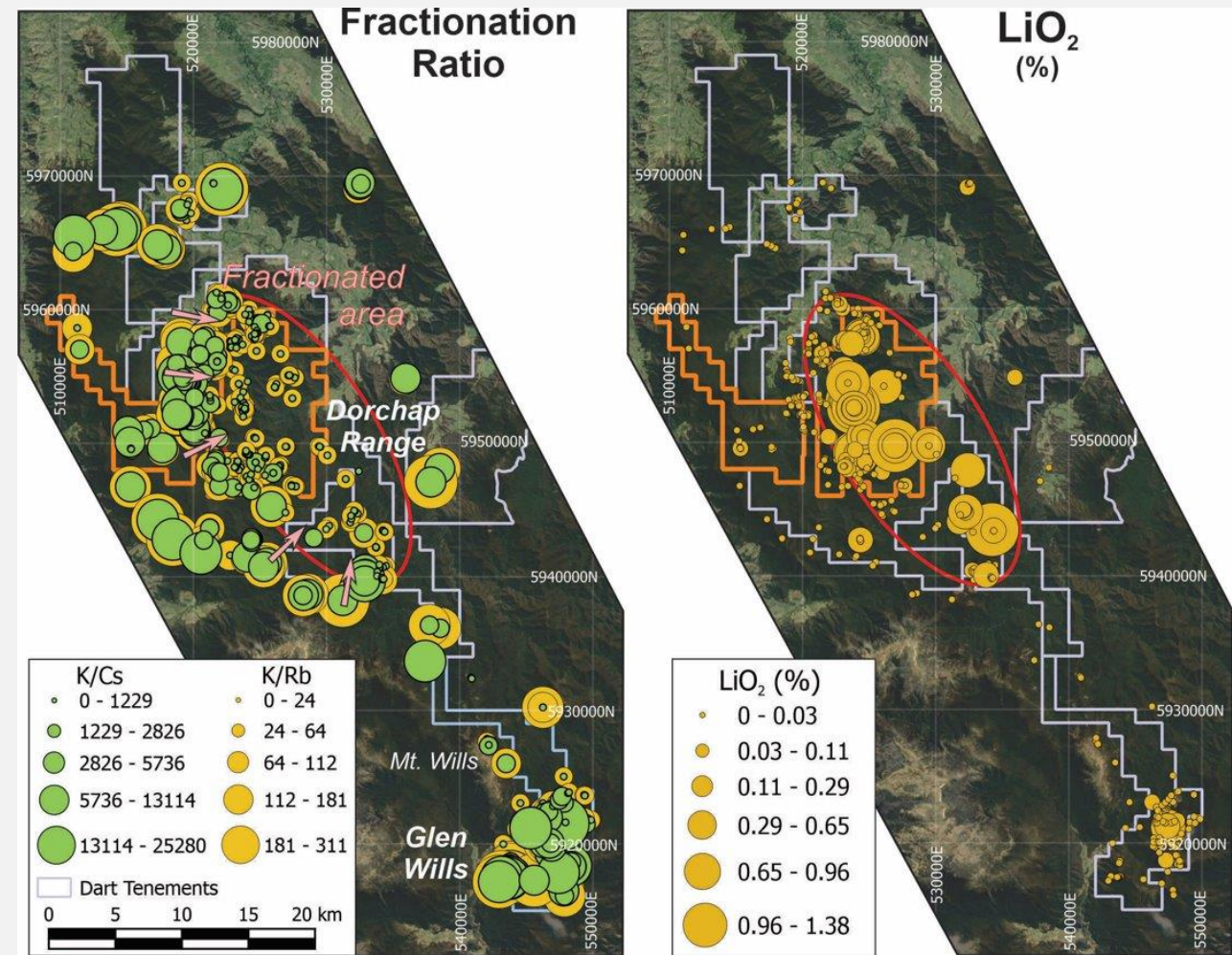
- Situated in the Dorchap Range, between Eskdale & Glen Wills
- Historic tin mining district

## Style

- Pegmatite hosted Lithium-Caesium-Tantalum (LCT) mineralisation
- Spodumene & Petalite mineralisation, with localised lepidolite & amblygonite

## Scale

- 20x12km zone of highly-fractionated pegmatites identified from surface sampling
- >1,000 LCT pegmatite dykes across the dyke swarm
- Multiple Li mineralised pegmatite dykes identified, with Li hosted primarily by spodumene



# DORCHAP LITHIUM PROJECT - Summary

## Results

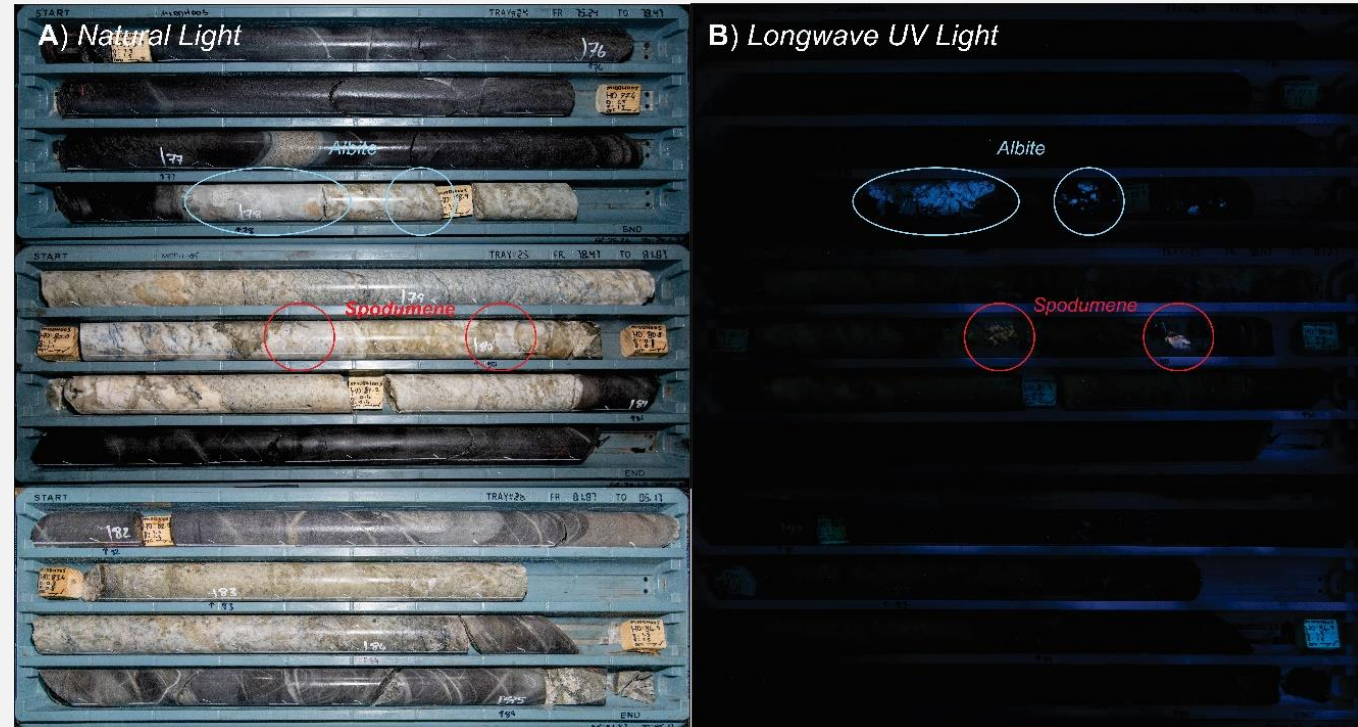
### Drilling

- MIDDH002
  - 16.75m @ 0.21% Li<sub>2</sub>O (Eagle Dyke)
    - inc. 0.81m @ 1.2% LiO<sub>2</sub>
- MIDDH005
  - 3.01m @ 0.26% Li<sub>2</sub>O (Fergussons Dyke)
    - inc. 0.62m @ 1.63% LiO<sub>2</sub>

### Rock Chips

- 10m @ 1.38% Li<sub>2</sub>O (rockchip sampling)
- 10m @ 1.22% Li<sub>2</sub>O (rockchip sampling)
- 10m @ 0.95% Li<sub>2</sub>O & 20m @ 0.33% Li<sub>2</sub>O (Eagle Dyke)
- 16m @ 0.32% Li<sub>2</sub>O, (Bluejacket Dyke)

**Additional results expected to be released to the Market in coming days.**



Photos from MIDDH005



# GRANITE FLAT Cu-Au PROJECT- Summary

## Location

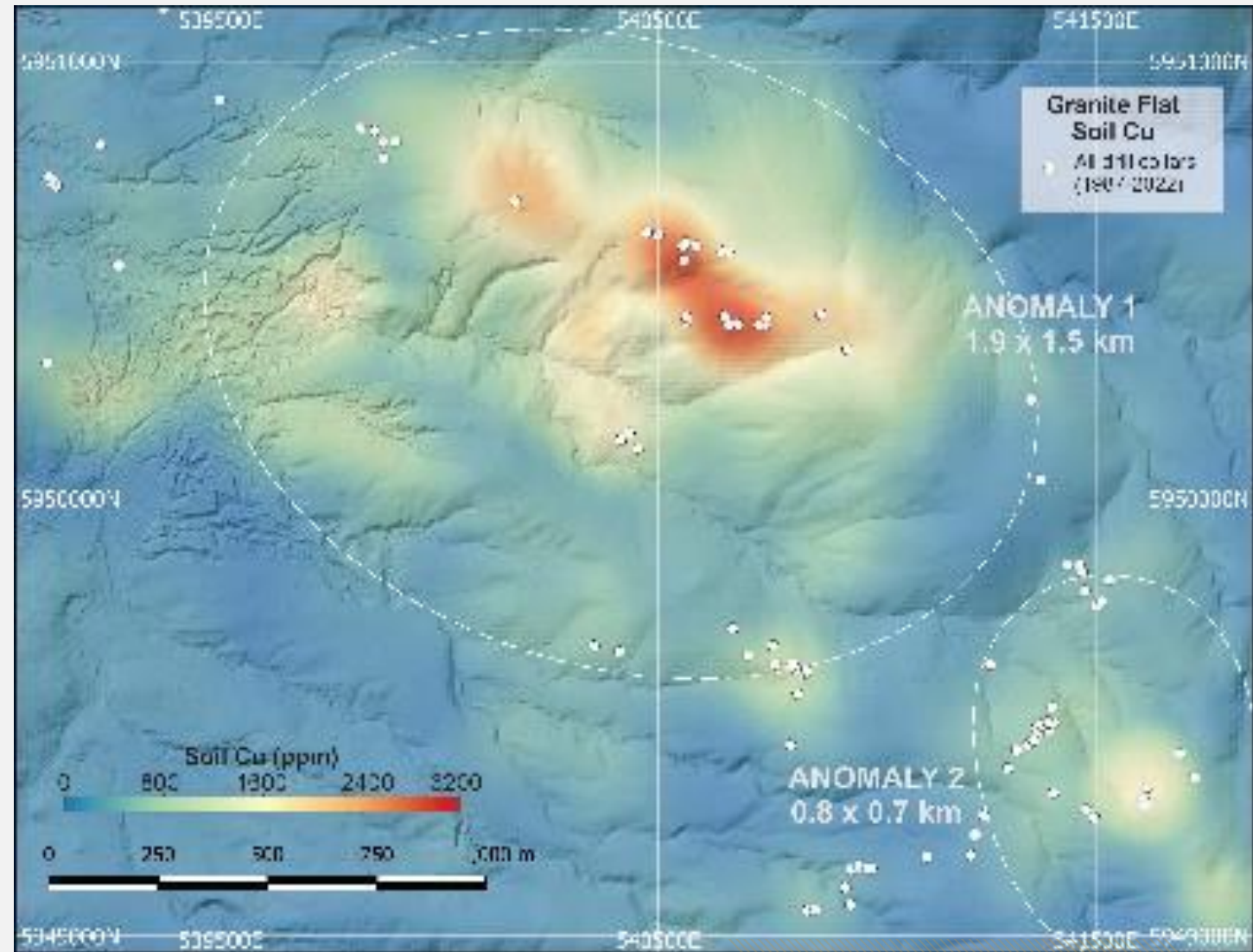
- Situated adjacent to the Omeo Highway, between Mitta Mitta & Glen Wills

## Style

- Two mineralisation styles identified:
- Intrusion-related Cu-Au – long intervals of low-grade Cu-Au
- Hydrothermal overprint – Narrow silica-sulphide veins of high-grade Au-Cu-Ag  $\pm$  Pb, Zn

## Scale

- 1.8x 2.4km soil Cu-Au footprint, additional anomalies open in all directions
- Significant remanent magnetism anomalies identified north of project footprint
- IP chargeability and resistivity anomalies identified across 1.5 x 2.0km footprint
- Significant intervals of Cu-Au mineralisation intersected up to 180m below surface





# GRANITE FLAT Cu-Au PROJECT- Summary

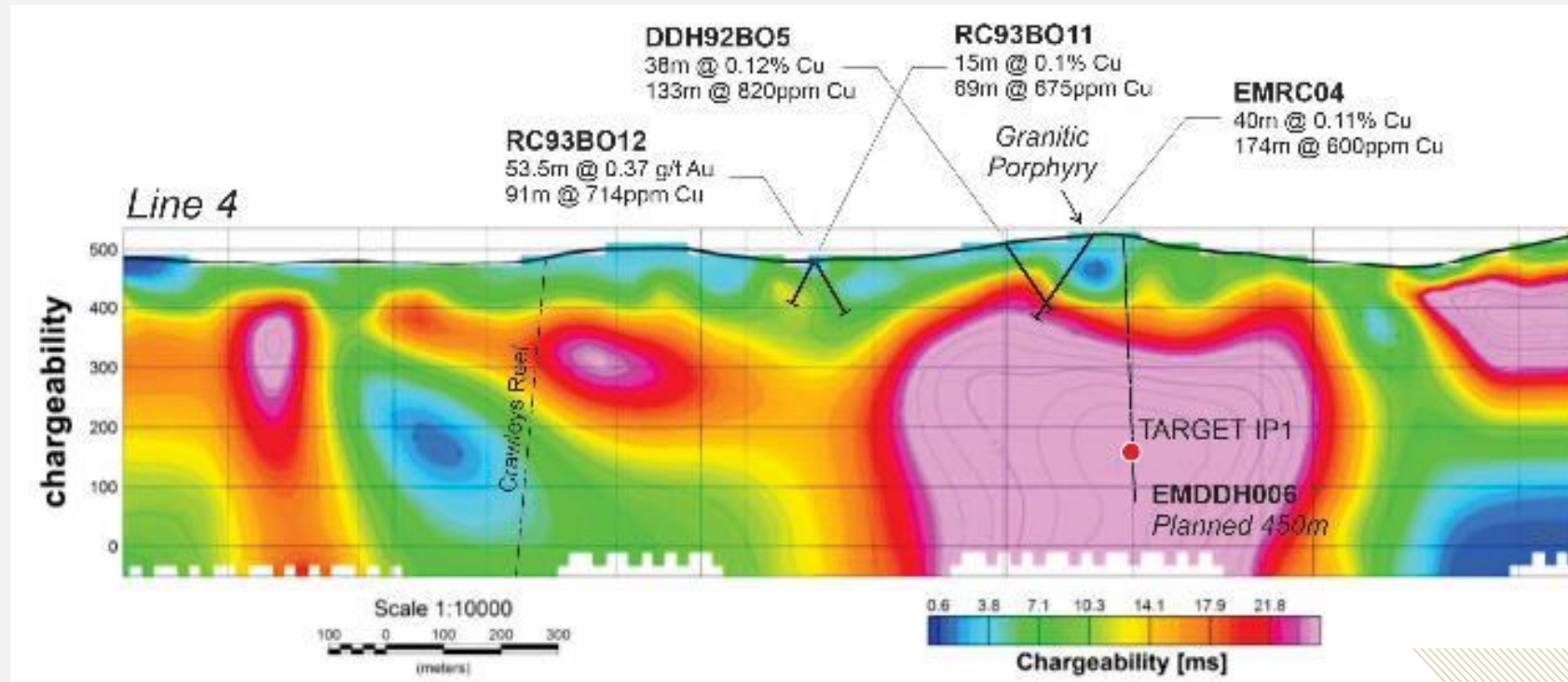
## Results Highlights

### Gold

- 19m @ 9.39 g/t Au, including 3m @ 41.1 g/t from 28m
- 4m @ 3.23 g/t Au, including 1m @ 7.84 g/t from 15m

### Copper

- 19m @ 0.61% Cu, including 3m @ 1.52%
- 28m @ 0.35% Cu, including 9m @ 0.73% from 7m
- 40m @ 0.11% Cu *including* 19m @ 0.18% Cu from 35m
- 138m @ 0.09% Cu from surface (entire hole)
- 111m @ 0.07% Cu from surface



# UNICORN Mo-Cu-Ag Porphyry - Summary

## Location

- Situated approximately 20km to the South of Corryong, and approximately 30km west of Mt Kosciusko on the Victorian-NSW Border

## Style

- Large rhyolite intrusive with similar geology to the giant Climax & Henderson Molybdenum mines in the USA
- But also contains significant Copper and Silver

## Scale

- Total Resource: 203Mt JORC (2004<sup>2</sup>) Measured + Indicated + Inferred Resource at 0.06% MoEq<sup>1</sup>**

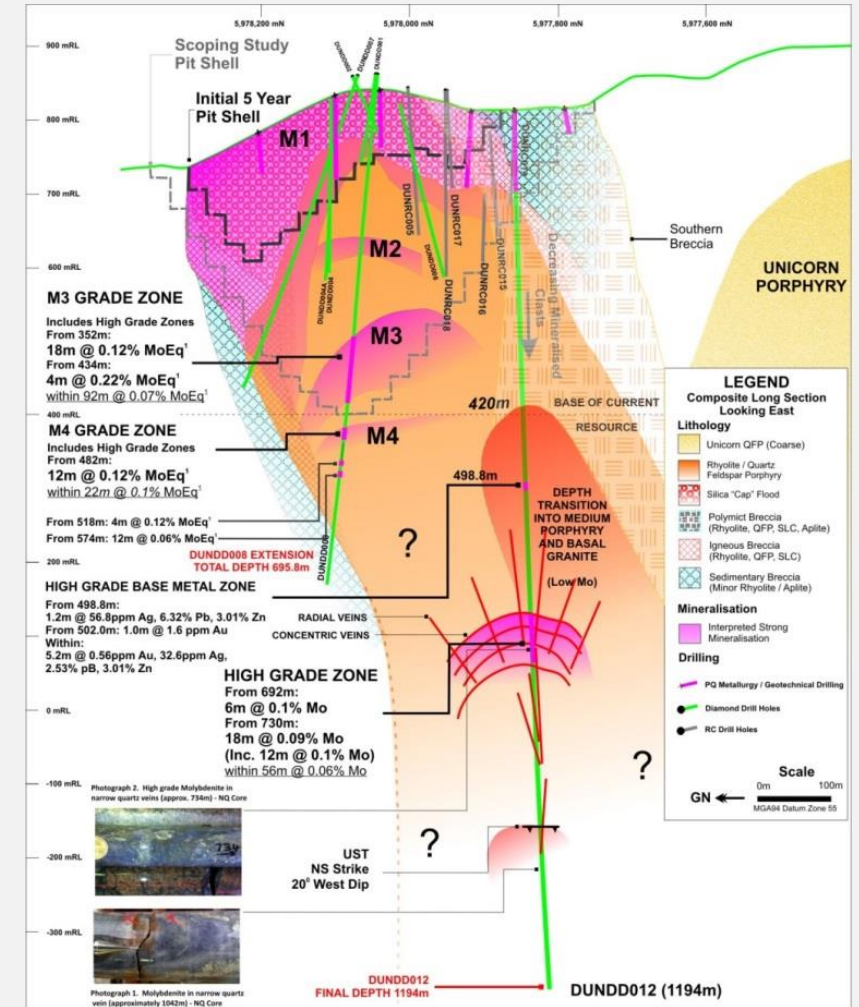
Mineralisation Open with Depth and Laterally below 1200m

- Significant recent Mo price increase
- Expand initial oxide molybdenum metallurgical studies

**Note 1: Molybdenum Equivalent Assumptions:** Based on relative value (with reference to the average price) of each metal in the 2 months June 22<sup>nd</sup> to August 23<sup>rd</sup> 2012 listed on the LME for Molybdenum and Copper and average price for the same period for Silver as follows:

- Mo US\$25,871 per tonne
- Cu US\$7515.7 per tonne
- Ag US\$27.6 per ounce

The Molybdenum Equivalent grade should not be interpreted as actual molybdenum grade as the conversion ratios vary with the volatile prices of Mo, Cu and Ag. However, it is the Company's opinion that elements considered here have a reasonable prospect to be recovered.



<sup>1</sup> MoEq (ppm) = Mo (ppm) + (Cu (ppm) / 3.44) + (Ag (ppm) x 34.3)  
([Dart Mining ASX September 2012](#))

<sup>2</sup> A Resource Update using a new geological model that defines the extent of Oxide, Transition and Sulphide zones is required due to identified variation in the metallurgical recovery for Oxide Mo & Cu zones. Resource update planned during the PFS phase.



# RUSHWORTH GOLDFIELD – Central Victoria - Summary

## Location

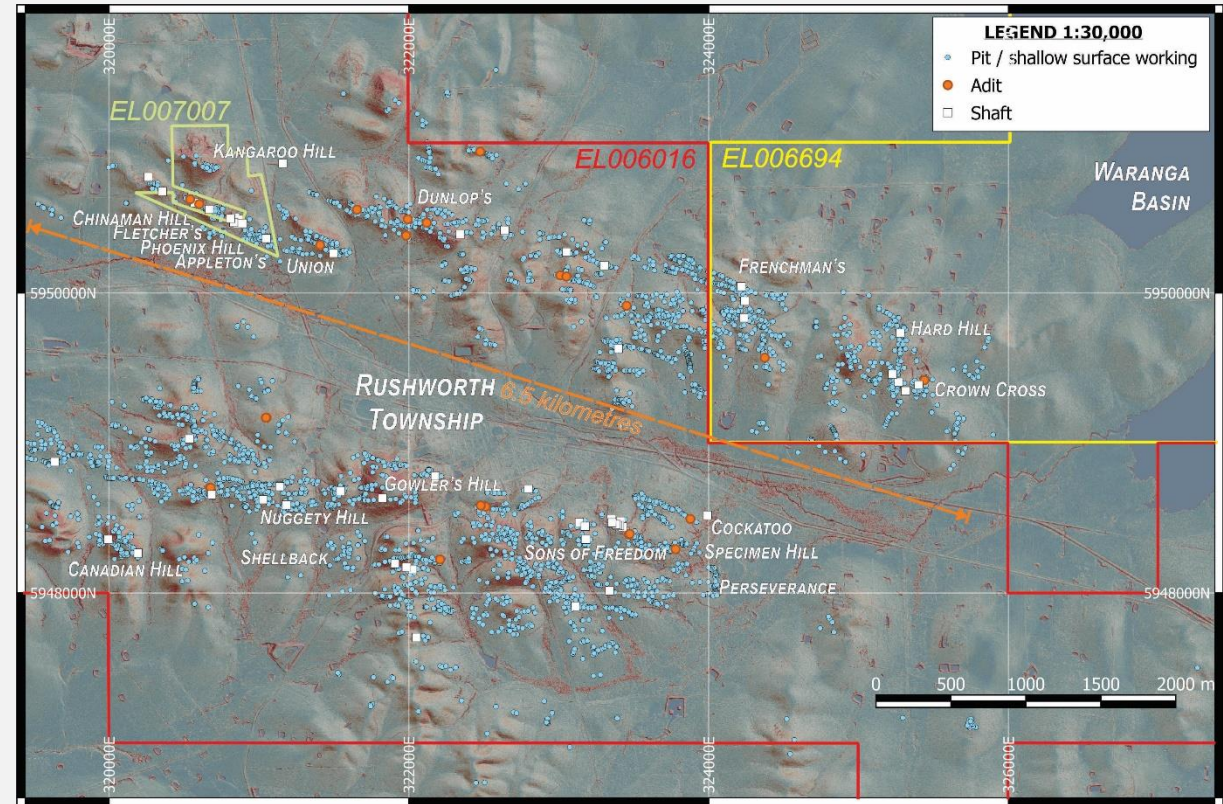
- Dart Mining tenements cover the entire Rushworth Goldfield, located in Central Victoria, 45km northeast of the Fosterville Gold Mine

## Style

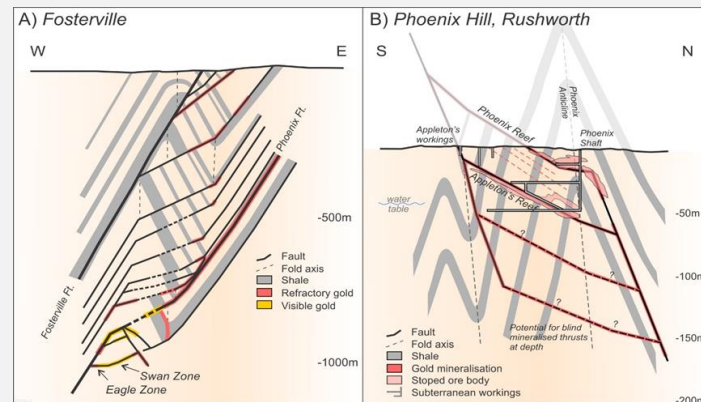
- Rushworth mineralisation is of an orogenic epizonal quartz-vein style that is interpreted to be genetically similar to the nearby Fosterville high-grade gold system

## Scale

- Recent LiDAR processing has identified >4,600 (shallow) historic workings along some 14km of strike
- Vastly under-explored



Location of historic workings identified in LiDAR imagery, with key historic prospects and Dart Mining tenements identified. Even at this broad scale, structural trends and the orientation of multiple reef systems is apparent – [Dart Mining ASX April 2023](#)



Structural model of Fosterville (A) and the Phoenix Hill – Chinaman's Gully area, Rushworth (B), displaying structural and mineralisation characteristics typical of Central Victorian orogenic gold mineralisation. In particular, mineralisation along limb-thrust faults, is notable of most significant Central Victorian goldfields (Castlemaine, Bendigo, Ballarat, Fosterville, Rushworth). Fosterville model (A) modified from Volleger et al. (2020). Phoenix Hill cross-section compiled from geological mapping completed by Jones & Turnbull (2014) and Boucher (2016). Figure modified from [Dart Mining ASX November 2020](#).

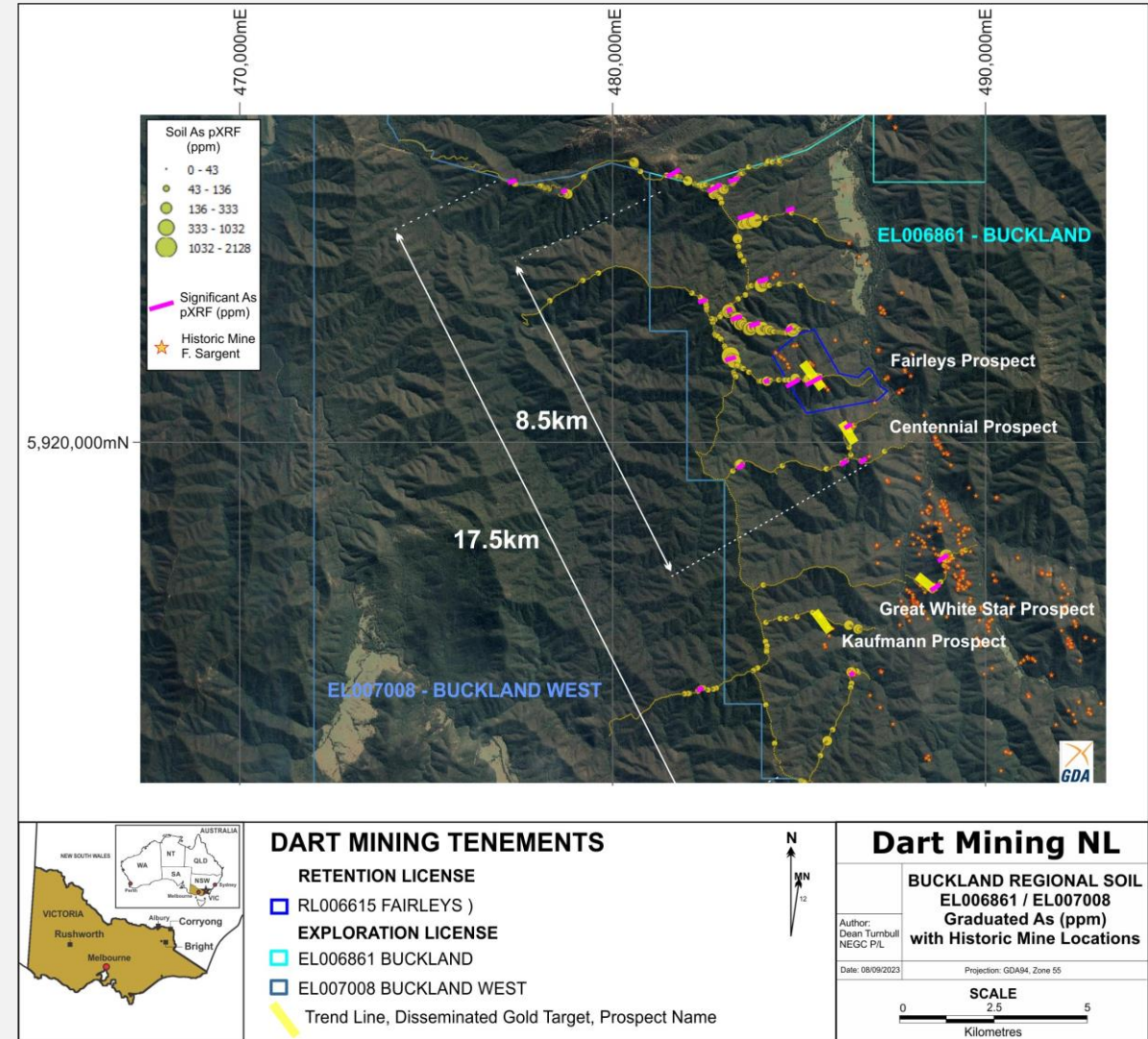


# BUCKLAND GOLDFIELD – North East Victoria - Summary

- **Location**
  - Part of 6.9Moz<sup>1</sup> Rutherglen-Beechworth-Harrietville gold district
  - Primary + Alluvial production
  - Buckland shows extensive shallow primary workings (>100) but low primary production
- **Scale**
  - 17.5km strike identified to date from ~7,500 surface samples
  - Multiple parallel structures identified
  - Thick mineralisation intersected >180m below surface
  - Mineralisation extends to over 10m width at surface and down hole
- **Style**
  - Shear hosted, orogenic gold system
  - Strong association of gold with arsenic
  - Multiple mineralization styles evident
    - Vein-hosted high-grade gold
    - Broad zones of disseminated sulphide hosted low and mid-grade gold in altered wall rock
- **Recent RAB Drilling Highlights<sup>2</sup> Fairleys Prospect**
  - 13m @ 4.82 g/t Au from 12m incl 2m @ 11.6 g/t Au from 20m
  - 11m @ 2.64 g/t Au from 28m incl 3m @ 7.49 g/t Au from 29m
  - 10m @ 2.27 g/t Au from 4m incl 2m @ 5.52 g/t Au from 7m
  - 2m @ 4.70 g/t Au from 17m and 3m @ 2.62 g/t Au from 26m

Note 1. Historic production figures from: PHILLIPS G.N., 2010. Victorian Gold Province, Australia: A Contemporary Exploration Guide. *GeoScience Victoria Special Publication*

Note 2. [Dart Mining ASX October 2020](#)



Buckland goldfield with graduated regional soil arsenic (As) level (ppm) with significant anomalies highlighted (magenta). Historic mine location data (red dots) from F. Sargent Historical Mining Activity layer (GeoVic): <https://earthresources.vic.gov.au/geologyexploration/maps-reports-data/geovic> for reference. Modified from [Dart Mining ASX September 2019](#)

# CONSTRUCTIVE TAILWINDS ON CRITICAL, PRECIOUS, & BASE METALS

- Critical minerals are well positioned with supportive fundamentals including accelerating demand driven by global decarbonisation and electrification
- Au, Ag have rallied strongly in 2023 against a backdrop of Geopolitical, Inflationary, and Economic uncertainty
- The Base metals complex is experiencing exponential demand and at the same time supply constraints

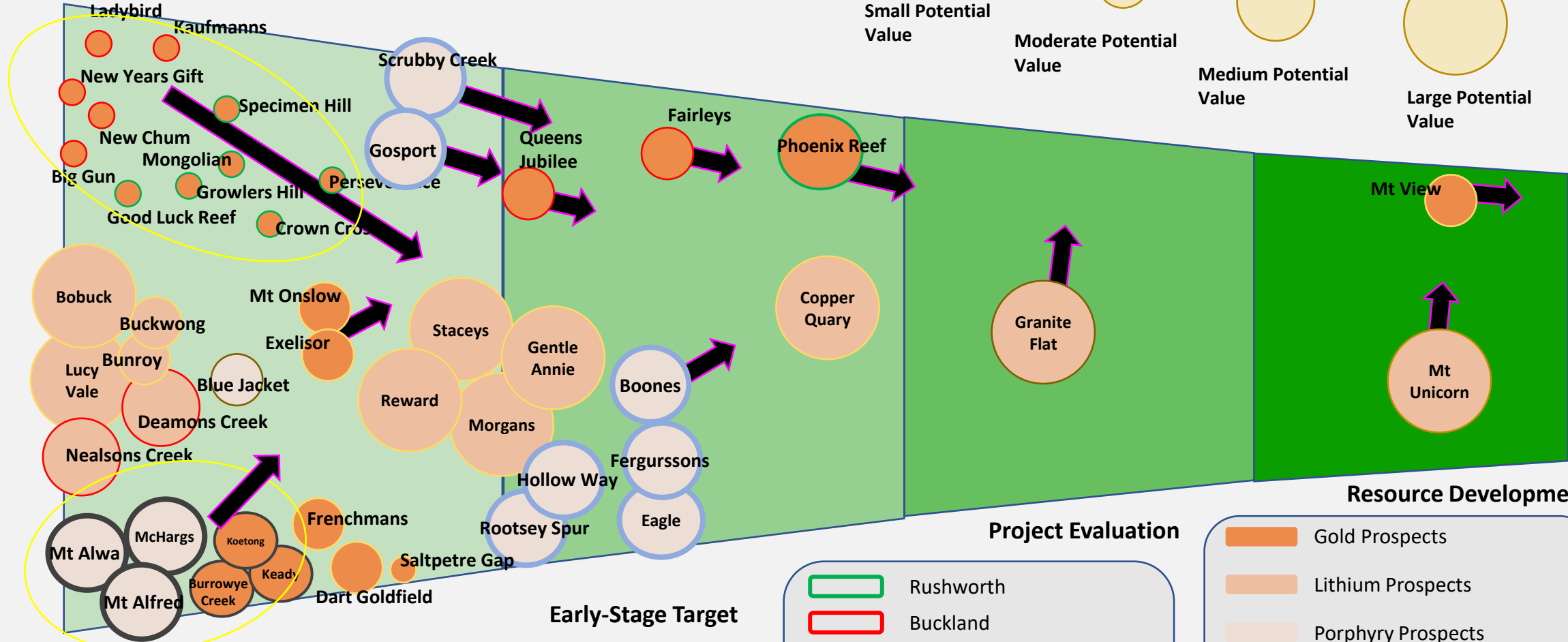
***Factors including the Ukraine war, metals supply constraints, and transition to metals intensive, low carbon output, are very supportive for metal prices in the medium and long-term***

# PROJECT PIPELINE – Multiple Success Opportunities

\*Not all prospects shown

## CHANGING SOON

(activities in progress)



**STAGNANT**  
(longer term projects,  
strategically delayed or  
seasonal exploration)



# OPERATIONAL IMAGES – Always action at Dart





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